

May 21, 2018

curriculum vitae

# DAVID L PASSMORE



**dlp@psu.edu**

**+1.814.863.2583**

*personal web pages:*

**<http://DavidPassmore.net>**

*brief bio:*

**<http://tinyurl.com/passmore-bio>**

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## CURRENT AFFILIATIONS

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### PENN STATE

Named *Distinguished Professor of Education* (see <http://guru.psu.edu/policies/OHR/hr10.html>) by Penn State President Rodney Erickson in March 2014 in the Workforce Education & Development academic program (see <http://www.ed.psu.edu/wfed>) in the College of Education at The Pennsylvania State University, University Park, Pennsylvania. Employed as a Penn State Professor since September 1979.

Jointly appointed in Intercollege Dual–Title Degree Graduate Program in Operations Research since 1994 (see <http://www.gradschool.psu.edu/gs/faculty/facultylist.cfm?program=141>).

Faculty Affiliate of Penn State’s Institute for Cyberscience since 2017 (see <https://ics.psu.edu/>).

### EXTERNAL

*Faculty Associate* of the Institute for Energy and the Environment, Duquesne University, Pittsburgh, Pennsylvania, since 2011.

*Appointed Member* of the Pennsylvania Human Relations Commission (<http://www.phrc.state.pa.us/>), Centre County Advisory Council, since August 2014.

*Member* of the Research Advisory Committee for the *Multi–State Shale Collaborative* composed of research and policy organizations in New York (Fiscal Policy Institute), Ohio (Policy Matters Ohio), Pennsylvania (Keystone Research Center/Pennsylvania Budget and Policy Center), Virginia (Commonwealth Institute), and West Virginia (West Virginia Center on Budget and Policy), since 2013.

## EDUCATION

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### PHD

*Doctor of Philosophy* in Education from University of Minnesota in Minneapolis, Minnesota in March, 1974. *Dissertation: An application of the Rasch one parameter logistic measurement model to the National League for Nursing Achievement Test in Normal Nutrition.* (Order No. 7417271). Available from Dissertations & Theses @ CIC Institutions; ProQuest Dissertations & Theses A&I. (302731227). Retrieved from <http://ezaccess.libraries.psu.edu/login?url=https://search.proquest.com/docview/302731227?accountid=13158>

### MED

*Master of Education* in Industrial Technology and Education from Bowling Green State University in Bowling Green, Ohio in August, 1970. *Thesis: The development and evaluation of a branching program of instruction that teaches a basic concept of industry.* <http://maurice.bgsu.edu/record=b2029990~S9>

### BS

*Bachelor of Science* in Industrial Arts Education from State University College of New York at Buffalo in Buffalo, New York, in August, 1969.

### ADDITIONAL EDUCATION & TRAINING

Attended courses in applied mathematical demography, survival analysis, natural resources and economic development, labor economics, and macroeconomics at The Pennsylvania State University and economic history, macroeconomics, microeconomics, labor economics, and regional economic modeling at the University of Massachusetts/Amherst; completed Harvard School of Public Health biostatistics course, “Applied Survival Analysis;” attended short course on serving disadvantaged students through vocational assessment and support team services offered by the National Academy for Vocational Education; attended Summer Workshop on Longitudinal Data Analysis offered by the National Opinion Research Center and the University of Chicago; received certificate for hazard training and training in use of self–contained self–rescuer from U.S. Department of Labor, Mine Safety and Health Administration; completed one–week SPSS, Inc. workshop on solution of linear structural equations and use of confirmatory factor analysis models; completed Penn State training on use of University administrative budgeting systems; received certificate of completion for “U.S. Bureau of Statistics Confidentiality Training for National Longitudinal Surveys Researchers;” received

certificate of completion for meeting requirements of the Institute of Education Sciences restricted-use data security training for 2011; received AlertDriving certification for driving large vans from Penn State Fleet Operations; Ally Training attended from Lesbian, Gay, Bisexual, Transgender (LGBT) and Ally Student Resource Center in Penn State's Office of Student Affairs to understand LGBT issues and concerns, and how those concerns relate to colleges and universities.

## PERSONAL INFORMATION

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- *Home postal address:* 732 Devonshire Drive, State College, Pennsylvania, 16803–3205.
- *Work postal address:* 305D J. Orvis Keller Building, University Park, Pennsylvania 16802-1303.
- *E-mail address:* dlp@psu.edu for Penn State business; otherwise, passmore.david@gmail.com.
- *Web presence:* <http://DavidPassmore.net>.
- *Twitter:* @DLPPassmore.
- *Telephone:* 1.814.863.2583.
- *Video conferencing:* from PC, Mac, iOS or Android: <https://psu.zoom.us/my/davidpassmore>.
- *Language fluency:* English; Signed English, a manual language used by hearing impaired people.
- *Birthplace & date:* Niagara Falls, New York, 10 May 1947.

## AWARDS & HONORS

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*Lifetime Achievement Award* from University Council on Workforce and Human Resource Education (see [http://www.theuniversitycouncil.org/?page\\_id=221](http://www.theuniversitycouncil.org/?page_id=221)) for “significant contributions throughout their career to research, practice, theory, and policy of workforce and human resource education,” June 2018.

Named *Distinguished Professor of Education* (see <http://guru.psu.edu/policies/OHR/hr10.html>) by Penn State President Rodney Erickson, March 2014.

Chapters contributed with R.M. Baker (“Sampling strategies and power analysis”) and T. Chermack (“Using research journals and data bases”) to *Research in Organizations: Foundations and Methods of Inquiry: Foundations and methods of inquiry*. (R.A. Swanson & E.F. Holton III, editors, San Francisco: Berrett-Koehler, 2005.) which won 2005 Outstanding Book of the Year Award from the Academy of Human Resource Development.

University Council Visiting Scholar for 1996–97 awarded by the University Council for Workforce Education & Development for “outstanding contributions as a scholar in the field of vocational and technical education.” Plaque and cash award at the 1996 meeting of the American Vocational Association. Involved direct service to Council participants through delivery of site visits and lectures.

*Outstanding Graduate* of the College of Technology at Bowling Green State University, Bowling Green, Ohio. Honored at University commencement exercise during May 1995.

*Leo D. Doherty Award* from the Northeastern Educational Research Association for “outstanding leadership and service.” Presented at the 1993 Meeting of the Northeastern Educational Research Association in Ellenville, New York.

*Silver Anniversary Award* from Center on Education and Training for Employment at The Ohio State University for “outstanding contributions to the field of education and training for employment.” Presented at the 1990 Meeting of the American Vocational Association in Cincinnati, Ohio.

Selected by the Harvard Board of Overseers as *Visiting Scholar in Maternal and Child Health* in the Department of Maternal and Child Health at the Harvard School of Public Health in Boston, Massachusetts; in residence during 1988–89 academic year while on sabbatical leave.

*Service Recognition Award* from the National Association of Industrial and Technical Teacher Educators for service as Editor of the *Journal of Industrial Teacher Education*, 1984–1986. Presented at the 1990 Meeting of the American Vocational Association in Cincinnati, Ohio.

*Distinguished Paper for 1987* awarded by the Northeastern Educational Research Association for a paper, “Confirmatory Factor Analysis of Youth Labor Force Attachment.” Presented at the 1988 Meeting of the American Educational Research Association in New Orleans, Louisiana. Shared with

G. Risher & U. Ay. Paper published under the title, “A measurement model for labour force attachment of American youth” in *Journal of Technical and Vocational Education* (1987, 4, 45–60).

*Outstanding Service Award for 1986* by National Association of Industrial and Technical Teacher Educators. Presented at the 1986 meeting of the American Vocational Association, Dallas, Texas, for work with the *Journal of Industrial Teacher Education*.

*Distinguished Scholar for 1986 Invitational Theory-to-Practice Symposium* sponsored by the American Society for Training and Development in St. Paul, Minnesota, June, 1986.

*Outstanding Scholarly Publication Award* presented by Technology Teacher Education Council and Harold Silvius Foundation at the March 1986 meeting of the International Technology Education Association, Kansas City, Missouri, for an article, “Social and Private Costs of Youth Joblessness,” that appeared in *The Journal of Epsilon Pi Tau* (1983, 9(1), 11–29).

*Outstanding Researcher for 1982* presented by the National Association of Industrial and Technical Teacher Educators at the 1982 meeting of the American Vocational Association, St. Louis, Missouri, for “superior and sustained achievement in research on industrial and technical education.”

*Outstanding Research Manuscript* in the *Journal of Industrial Teacher Education*. Award presented by the National Association of Industrial and Technical Teacher Educators at the 1982 meeting of the American Vocational Association, Atlanta, Georgia, for the manuscript, “Estimation and correction of selectivity bias due to non-returns in a mail survey of deaf postsecondary occupational program graduates,” *Journal of Industrial Teacher Education*, 1981, 18(4), 3–11. (Reprinted in J. Christiansen & J. Egelston–Dodd (Eds.), *The socioeconomic status of the deaf population*. Washington, DC: Gallaudet College, 1982.)

*Outstanding Research Paper for 1981* presented by the American Vocational Education Research Association at the 1982 meeting of the American Vocational Association, St. Louis, Missouri, for a paper, “Chances of job loss among unemployed teenagers and young adults,” which was presented at the 1981 meeting of the American Vocational Association in Atlanta, Georgia. Shared with B. Emshoff.

*Outstanding Conceptual Manuscript* in the *Journal of Industrial Teacher Education*. Award presented by the National Association of Industrial and Technical Teacher Educators at the 1981 meeting of the American Vocational Association, New Orleans, Louisiana, for the manuscript, “Use of interindustry analysis to plan education for work,” *Journal of Industrial Teacher Education*, 1979, 17(1), 7–24.

*U.S. Office of Education Research Fellowship* in doctoral fellowship program, “Preparing Researchers in Vocational Education,” University of Minnesota, Minnesota Research Coordinating Unit for Vocational Education. Full tuition, books, travel, and tax-free stipend paid, 1970–1973.

## PREVIOUS PROFESSIONAL WORK EXPERIENCE

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*Director*, Institute for Research in Training & Development, The Pennsylvania State University, University Park, Pennsylvania, June 2006–June 2015.

*Director of Undergraduate & Graduate Programs*, Department of Learning and Performance Systems at The Pennsylvania State University, University Park, Pennsylvania, July 2014–June 2015.

*Program Coordinator*, Workforce Education & Development academic program (<http://www.ed.psu.edu/wfed>) at The Pennsylvania State University, University Park, Pennsylvania, from July 2013 through June 2014.

*Contributing Columnist* with Rose M. Baker for regional business newspaper, *Pennsylvania Business Central* (see <http://PBCBriefing.notlong.com>), since June 2008. Column was titled, *Economic and Workforce Briefing*.

*Adjoint Graduate Faculty Member*, Human Resource Development and Technology, College of Business and Technology, The University of Texas at Tyler, Tyler, Texas, December 2006 through March 2009.

*Researcher*, Office of Economic and Workforce Development, Penn State Outreach, The Pennsylvania State University, University Park, Pennsylvania, September 2007 through June 2008, 15% time.

*Faculty Fellow and Director of Multimedia Technology Classroom Group*, Center for Academic Computing, The Pennsylvania State University, University Park, Pennsylvania, July 2000 through May 2002, 50% time.

*Senior Scientist* in the Institute for Policy Research and Evaluation, a Penn State intercollege research program, University Park, Pennsylvania, 1996 through 2001.

*Adjunct Professor*, Graduate Human Resource Development program, St. John Fisher College, Rochester, New York, 1998–2000.

*Adjunct professor*, Work, Community, and Family Education, College of Education and Human Development, University of Minnesota, Minneapolis, Minnesota, 1996 through 1999 academic years.

*Professor of Mineral Engineering Management* in Department of Energy and GeoEnvironmental Sciences in the College of Earth and Mineral Sciences at The Pennsylvania State University, University Park, Pennsylvania (joint appointment between the College of Education and the College of Earth and Mineral Sciences).

*Professor of Vocational Education* in intercollege graduate program in Vocational Education at The Pennsylvania State University, University Park, Pennsylvania. Academic program dropped by Penn State in May 1993.

*Professor of Adult Education* in program in Adult Education in the College of Education at The Pennsylvania State University, University Park, Pennsylvania, February 1986 through July 1992 (joint appointment between the program in Vocational Education and the program in Adult Education).

*Visiting Scholar in Maternal and Child Health* in the Department of Maternal and Child Health at the Harvard School of Public Health in Boston, Massachusetts. Appointed by Harvard Board of Overseers for 1988–89 academic year to conduct research on the epidemiology of injuries. Research sponsored by grants from the Centers for Disease Control and the Carnegie Corporation of New York to the Harvard Injury Prevention Research Center. In residence at Harvard University from September 1988 through July 1989.

*University Director of Office for the Protection of Human Subjects* in the office of the Senior Vice President for Research and Dean of Graduate Studies at The Pennsylvania State University, University Park, Pennsylvania, 1983 through 1985 and 1986 through 1988, 50% time.

*Faculty Associate* of the Center for the Study of Higher Education at The Pennsylvania State University, University Park, Pennsylvania, 1979 through 1981.

*Associate Professor of Industrial Technology*, Department of Industrial Technology, College of Natural Sciences, University of Northern Iowa, Cedar Falls, Iowa, August 1978 through July 1979.

*Assistant Professor*, Research Associate, and Coordinator of Occupational Research, National Technical Institute for the Deaf, Rochester Institute of Technology, Rochester, New York, July 1975 through April 1979. On leave of absence during 1978–1979 academic year.

*Adjunct Professor*, College of Education, Westfield State College, Westfield, Massachusetts, 1974 and 1975.

*Assistant Professor of Education*, Center for Occupational Education and Laboratory for Psychometric and Evaluative Research, Division of Educational Planning and Management, University of Massachusetts/Amherst, Amherst, Massachusetts, September 1973 through June 1975.

*Research Fellow in Psychometrics*, Department of Educational Psychology, University of Minnesota/Minneapolis, Minneapolis, Minnesota, 1972 and 1973 academic years.

*Statistical Consultant*, University Computer Center, University of Minnesota/Minneapolis, Minneapolis, Minnesota, 1972 and 1973 academic years, 20% time.

*U.S. Office of Education Research Fellow*, University of Minnesota Research Coordinating Unit for Vocational Education, Minneapolis, Minnesota, 1970 through 1973 academic years (tuition, books, travel, and stipend).

*Instructor* (Summer 1970) and *Teaching Associate* (1969–1970 academic year), Department of Industrial Technology and Education, Bowling Green State University, Bowling Green, Ohio, 50% time.

*Laboratory Assistant*, Department of Industrial Arts Education, State University College of New York, Buffalo, New York. 1966 through 1969 academic years.

*Research Assistant*, Department of Humanities, State University College of New York, Buffalo, New York, 1968 and 1969 academic years.

## EDITORIAL WORK

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Co-Editor with R.M. Baker of *International Journal of Vocational Education and Training* (refereed), July 2011—August 2013.

Associate Editor of *International Journal of Distance Education Technology* (refereed), 2001– 2010.

Editorial board member of *The International Review of Research on Open and Distance Learning* (refereed), 2004–2006.

International Board of Reviewers of *Internet & Higher Education* (refereed), 2002–2006.

Statistical Editor (Vol. 5) and Member of Editorial Board (Vols. 1, 2, 3, & 4) for *Human Resource Development Quarterly*, a refereed journal of the American Society for Training and Development published by Jossey-Bass Publishing, 1987 through 1995.

Editor of *Journal of Industrial Teacher Education* (refereed), Vols. 22 and 23; Associate Editor, Vols. 20 and 21; Assistant Editor, Vols. 14, 15, 16, 17 and 18. Editor of special feature issue on “Planning Education for Work” (1979, Vol. 17, No. 1).

Co-editor (with J.D. Bennett) of Computer Applications Section of *Accident Analysis and Prevention*, a Pergamon Publishers refereed periodical, 1984 through 1986.

Facilitating Editor in Editor-at-Large Program, American Educational Research Association, Washington, DC, 1984 through 1986.

Member of the Board of Editors for *Journal of Technology Studies*, an international refereed journal in technology education, 1979 through 1985.

Editor of special issue of *New Voices in Education* (refereed), 1973, 3(1), on the social effects of testing.

Book Review Editor for *School Review*, a University of Chicago Press refereed periodical, 1974.

Occasional reviewer for refereed journals: *Accident Analysis and Prevention*, *Asia Pacific Education Review*, *Economics and Finance*, *American Educational Research Journal*, *American Journal of Public Health*, *Geographic Analysis*, *Journal of Educational Computing*, *Journal of Occupational Accidents*, *Journal of Studies in Technical Careers*, *Journal of Vocational Education Research*, *Food & Agriculture*, *Journal of Vocational Home Economics*, *Psychological Bulletin*, *Medicine*, and *Volta Review*.

## PUBLICATIONS

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### BOOKS, MONOGRAPHS, BOOK CHAPTERS, & CONTRIBUTIONS TO PROCEEDINGS

With R. M. Baker & B. Mulligan. Inclusivity instead of exclusivity: The role of MOOCs for college credit. In C. Stevenson (Ed.), *Enhancing education through open degree programs and prior learning assessment* (Chapter 7). Hershey, Pennsylvania: IGI Global, 2018. doi:4018/978-1-5225-5255-0

With R. M. Baker. Economic impact of breaker and shell egg production in Pennsylvania. In R. G. Elkin (Ed.), *The Pennsylvania poultry industry research check-off program* (pp. 1–14). University Park, Pennsylvania: Penn State University, Department of Animal Science, 2014.

With R.M. Baker. Failure to earn a high school diploma: Correlates and consequences. In Central Pennsylvania Workforce Development Corporation (Ed.), *Increasing education and employment outcomes for youth in transition: Research on school dropouts and youth who have aged out of foster care in central Pennsylvania* (pp. 132–150). Lewisburg, Pennsylvania: Author, 2008.

With R.M. Baker. Self-organizing social learning through the monastery gates. In V. Uskov (Ed.), *Web-based education*. Anaheim, California: ACTA Press, 2005.

- With R.M. Baker. Sampling strategies and power analysis. In R.A. Swanson & E. Holten (Eds), *Research in organizations: Foundations and methods of inquiry*. San Francisco: Berrett-Koehler, 2005.
- With T.J. Chermack. Using research journals and data bases. In R.A. Swanson & E. Holten (Eds), *Research in organizations: Foundations and methods of inquiry*. San Francisco: Berrett-Koehler, 2005.
- New educational methods for organizational and enterprise learning derived from self-organizing systems theory and practice. In G.M. Papadourakis (Ed.), *Industry and education* (pp. 249–257). Crete: Technological Educational Institute of Crete, 2003.
- With C. Lin, Y. Chen, T. Bevans-Gonzales, E. Cebeci, & M. Brna. Contributions of literacy to employment: Theoretical perspective and preliminary estimates. In T.R. Ferro (Ed.), *Proceedings of the 6th Pennsylvania Adult and Continuing Education Conference* (pp. 105–110). Indiana, Pennsylvania: Indiana University of Pennsylvania, 2003.
- With C. Lin & Y. Chen. Job-related training and education for U.S. workers: An analysis of investments and obstacles. In S. A. Lynham & T. M. Egan (Ed.), *Academy of Human Resource Development 2003 Conference Proceedings* (Vol. 2) (pp. 736–743). Minneapolis, Minnesota: Academy of Human Resource Development, 2003.
- With C. Lin & Y. Chen. Estimating shortages of engineering personnel: Theoretical and methodological approaches. In Z. J. Pudlowski (Ed), *Educating for the right environment* (pp. 81–84). Melbourne, Australia: UNESCO International Centre for Engineering Education, 2003.
- Data analysis fundamentals*. Pittsburgh, Pennsylvania: Red Branch Publishing, 2002.
- With M. Halm. Potential for collaborative peer-to-peer technologies in technology education. In Z.J. Pudlowski (Ed.), *Global engineering education* (pp. 384–387). Melbourne, Australia: UNESCO International Centre for Engineering Education, 2002.
- Educational investments critical to industrial growth and change. In G.M. Papadourakis (Ed.), *New horizons in industry and education* (pp. 185–189). Crete: Technological Educational Institute of Crete, 2001.
- With A. Mohamed. Underemployment and participation in vocational education: A methodological study. In *Proceedings of Annual Conference 2001 Improving vocational education and training systems*. Montego Bay, Jamaica: International Vocational Education and Training Association, 2001.
- Identifying skills critical to economic growth and development. In Theuerfrauf, W. E. & Graube, G. (Eds.), *Technology education: Consequences and coming challenges as engendered by a global perspective*. Braunschweig, Germany: Technical University Braunschweig, 2000.
- Methods for identifying skills shortages. In *Proceedings of the 2000 meeting of the International Vocational and Technical Education Association*, Hong Kong: International Vocational Education and Training Association, 2000.
- Use of social accounting models to plan vocational and technical education. In *Proceedings of the 2000 meeting of the International Vocational and Technical Education Association*, Hong Kong: International Vocational Education and Training Association, 2000.
- With J. Wall, K. Tucker, & C. Pellock. Community costs of technical skills deficits: A Pennsylvania case study. In *Proceedings of Conference on Strengthening Postsecondary Education's Contribution to Economic Development*. University Park, Pennsylvania: The Pennsylvania State University, Australian-New Zealand Studies Center, 1997.
- With T. McClernon. Computer-based instruction adoption decision tools. In E.F. Holton (Ed.), *1996 Conference proceedings of the Academy of Human Resource Development* (pp. 222–227). Austin, Texas: Academy of Human Resource Development.
- Ways of seeing: Disciplinary bases for research. In R.A. Swanson (Ed.), *Research handbook for human resource development: A scholar's response to practitioner questions* (Chap. 10). San Francisco, CA: Berrett-Koehler Publishers, in press.
- A regional policy simulation of economic outcomes of educational reform. In M. Mulder & W.J. Nijhof (Eds.), *Education for training and work* (pp. 15–17). Twente, The Netherlands: University of Twente, 1994.



- Employer needs and expectations for high school graduates. In A. Pautler (Ed.), *High school to employment transition: Contemporary issues* (pp. 23–29). Chicago, Illinois: Prakken Publishers, 1994.
- Economics of transition. In J. Brown & D. Berkell (Eds.), *Transition from school to work for persons with disabilities*. White Plains, New York: Longman Publishing Co., 1989.
- Strategic planning of employment and training for regional economic development. In G. Cheek (Ed.), *Regional strategic planning for employment and training: Reality or fantasy?* Knoxville, Tennessee: The University of Tennessee, Office for Human Resources Development, 1988.
- With M.C. Radomsky, L.W. Saperstein, & J.D. Bennett. Increasing the effectiveness of mandatory training through on-site safety services. In M. J. Klishis & M. Noah (Eds.), *Training resources applied to mining*. Morgantown, West Virginia: West Virginia University, 1987.
- Employment of young GED recipients* (Research Brief No. 14). Washington, DC: American Council on Education, 1987. (see <http://www.eric.ed.gov/contentdelivery/servlet/ERICServlet?accno=ED291894>)
- Adapting human resources to organizational change. In R.A. Swanson & D. Gradous (Eds.), *Human resources and organizational change*. Alexandria, Virginia: American Society for Training and Development, 1987.
- With J.D. Bennett. Epidemiology of hand and finger injuries in coal mining. In A.W. Khair (Ed.), *Engineering health and safety in coal mining*. Littleton, Colorado: Society of Mining Engineers, 1986 and in *Proceedings of the Symposium on Engineering Health and Safety in Coal Mining*. New Orleans, LA, 1986.
- With J.D. Bennett. Empirical research on United States underground bituminous coal mine safety: Implications for engineering and training research. In *Proceedings of VII Congreso Internacional De Minería y Metalurgia*. Barcelona, Spain: Asociacion Nacional De Ingenieros De Minas y Instituto Geologico y Minería De Espana, 1984.
- With J.D. Bennett. Risk of severe injuries in United States underground bituminous coal mines: Training implications. In *Proceedings of the specialized meeting of the international section of the International Social Security Association for the prevention of occupational risks in the mining industry* (Bulletin No. 2). Ostrava–Radvanice, Czechoslovakia: Secretariat of the International Section of the International Social Security Association for the Prevention of Occupational Risks in the Mining Industry, 1983.
- Employment of deaf people. In D. Watson, G. Anderson, N. Ford, P. Marut, & S. Ouellette (Eds.), *Job placement of hearing impaired persons: Research and practice*. Little Rock, Arkansas: Rehabilitation Research and Training Center on Deafness and Hearing Impairment, University of Arkansas and National Association of the Deaf, 1983.
- Estimation and correction of selectivity bias due to non-returns in a mail survey of deaf postsecondary occupational program graduates. In J. Christiansen & J. Egelston–Dodd (Eds.), *The socioeconomic status of the deaf population*. Washington, DC: Gallaudet College, 1982 (also refereed publication in *Journal of Industrial Teacher Education*, 1981, 18(4), 3–11).
- Youth unemployment: Implications for vocational education. In J. Novack, N. Wehlage, & E. Wong (Eds.), *Effective programming for youth: The education/work connection*. Madison, Wisconsin: University of Wisconsin at Madison, 1981 (also refereed publication in *Occupational Education Forum*, Fall 1981, pp. 112–129).
- With W. Welsh. Getting there from here: Strategies for implementation. In H. Anderson & J. Bensen (Eds.), *Technology and education*. Bloomington, Illinois: McKnight Publishing, 1980.
- Implications of Inequality for career education*. Career and Technology Education Monograph Series No. 2, Bowling Green, Ohio: Bowling Green, Ohio, 1976. (see <http://eric.ed.gov/?q=ED117453>)
- The academic program leading to the master's degree. In D.C. Bjorkquist (Ed.), *Graduate programs in industrial education*. Washington, DC: American Council on Industrial Arts Teacher Education, 1974.
- With B.B. Smith. Research priorities for vocational education; 1970–1971. In B.B. Smith & J. Moss (Eds.), *Developing a state system of managed research and development activities in vocational education*. Minneapolis, Minnesota: Minnesota Research Coordinating Unit for Vocational Education, 1972.

## CONCEPTUAL PAPERS &amp; REVIEWS OF LITERATURE IN REFEREED PUBLICATIONS

- With R. M. Baker. Value and pricing of MOOCs. *Education Sciences*, 2016, 6(2), 14-25. <http://dx.doi.org/10.3390/educsci6020014>
- With E.D. Cebeci & R.M. Baker. Potential of idea future markets in educational technology. *Journal of Derivatives Markets*, 2005, 2(4), 56–66.
- With E.D. Cebeci & R.M. Baker. Market-based information for decision support in human resource development. *Human Resource Development Review*, 2005, 4(1), 33–48. doi: 10.1177/1534484304273843
- Impediments to adoption of web-based course delivery among university faculty. *Asynchronous Learning Networks*, 2001, 4(2).
- With D.A. Mohamed. Labor force literacy and the economy. *The Journal of Technology Studies*, 1995, 21(2), 8–14.
- Those who can't, must: Some thoughts on the improvement of university teaching. *Journal of Epsilon Pi Tau*, 1991, 27(1), 18–22.
- Job loss and dislocated workers. *Human Resource Development Quarterly*, 1991, 2(3), 285–288.
- America's school leftovers. *Journal of Industrial Teacher Education*, 1991, 28(2), 73–76 (Reprinted as "At Issue: America's School Leftovers" in Report No. 11 of Institute for Research in Training and Development, The Pennsylvania State University and as "School Leftovers" in *College of Education*, 1990, 15(2), 32).
- With J.D. Bennett, M.C. Radomsky, & L.W. Saperstein. Tailored safety training for miners in small Pennsylvania surface coal mines. *American Journal of Public Health*, 1990, 80(9), 1134–1135. <http://dx.doi.org/10.2105/AJPH.80.9.1134>
- Pick a paradigm, any paradigm. *Human Resource Development Quarterly*, 1990, 1(1), 25–27. doi:10.1002/hrdq.3920010104
- The occupational supply structure of the firm. *Occupational Education Forum*, 1989, 17(2), 25–37.
- With D. Wang & N.K. Olsen. Labor supply theory and outcomes of technical and vocational education: Toward an evaluation theory. *Journal of Technical and Vocational Education*, 1989, 6, 20–36.
- With A. Shah, M.C. Radomsky, & L.W. Saperstein. Developing a nationwide mine injury report for the personal computer. *Transactions of the Society for Mining, Metallurgy, and Exploration*, 1989, 286, 1817–1818.
- With M.C. Radomsky, L.W. Saperstein, J. D. Bennett. Improved mandated training through on-site safety services. *Mining Engineering*, 1988, 40(6), 444-446.
- Challenges of the feminist critique of methods. *The Journal of Epsilon Pi Tau*, 1989, 15(1), 50–51.
- Who will refine? Who will reconstruct? *Journal of Industrial Teacher Education*, 1989, 26(4), 71–74.
- Issues in vocational education. *Journal of Studies in Technical Careers*, 1988, 10(4), 396–401.
- Peer review and consultation to improve instruction. *Journal of Industrial Teacher Education*, 1987, 25(2), 85–91.
- With J.D. Bennett. Unions and coal mine safety. *Journal of Labor Research*, 1985, 6(2), 211–216. doi:10.1007/BF02685165
- With J.D. Bennett. Coal mine equipment. *Accident Analysis and Prevention*, 1984, 16(4), 332.
- With W. Wolansky. Retraining and deployment of the unemployed: A problem of national importance. *Canadian Vocational Journal*, 1984, 20(3), 27–29.
- With D. Anderson & C. Yuen. The role of personal computers in vocational education: A critical view. *The Journal of Technology Studies*, 1984, 10(1), 10–15.
- With J.D. Bennett. Correlates of coal mine accidents and injuries: A literature review. *Accident Analysis and Prevention*, 1984, 16(1), 37–46. (see <http://www.sciencedirect.com/science/article/pii/0001457584900046>)
- Social and private costs of youth joblessness. *The Journal of Technology Studies*, 1983, 9(1), 11–29.

- Ethnographic methods for exploring the education/work nexus. *Journal of Industrial Teacher Education*, 1982, 19(3), 54–64.
- Vocational and economic implications of deafness. *The Journal of Epsilon Pi Tau*, 1982, 8(2), 34–38.
- Barriers to youth employment: A review. *The Journal of Epsilon Pi Tau*, 1982, 8(1), 25–38.
- With R.A. Swanson. A model personal career development plan for graduate students. *Journal of Industrial Teacher Education*, 1982, 19(1), 19–25.
- Measuring youth joblessness: Concepts, tools, and issues. *Journal of Studies in Technical Careers*, 1981, 3(2), 109–125.
- There is nothing so practical as good research. *Occupational Education Forum*, 1980, Fall, 4–15, (reprinted in *Center Update*, 1981, 2(1), *Performance and Instruction Journal*, 1984, 22(10), 24–26 doi: 10.1002/pfi.4150221008, and *Journal of Industrial Teacher Education*, 1986, 24(2), 7–14).
- Innovations in planning education for work. *Journal of Industrial Teacher Education*, 1979, 17(1), 5–6.
- The limits to career education reform. *The Journal of Technology Studies*, 1978, 4(1), 14–20.
- With F.M. Asche. Information needs for formative evaluation of career education products. *Journal of Industrial Teacher Education*, 1978, 15 (2), 55–60.
- With M. Marron & A. Van Ginkle. Economics of training. *Journal of Industrial Teacher Education*, 1978, 15(4), 66–77.
- Theory and applications of the Rasch measurement model. *Catalog of Selected Documents in Psychology*, 1976, 6, 4. (Ms. No. 1171)
- Validating learning hierarchies for objective-based instructional systems. *Catalog of Selected Documents in Psychology*, 1975, 5, 341. (Ms. No. 1124)
- Sequencing learning events for performance-based instructional systems. *Journal of Industrial Teacher Education*, 1975, 12(3), 37–47.
- With J. Skinkle. Vocational education: A socializing role. *Occupational Education Forum*, 1975, Winter, 49–56.
- With D. Irvin. Empirically-based predictions and their generalizability for decision-making in occupational education. *Journal of Industrial Teacher Education*, 1974, 11(3), 45–51.
- With D. Irvin & M. Wilsman. Program CROSVAl: A routine for cross-validating weighted linear composites. *Behavioral Science*, 1973, 18(3), 225.
- Does educational testing serve the purposes of education? *New Voices in Education*, 1973, 3(1), 28–29.
- Objective measurement in occupational education. *Journal of Industrial Teacher Education*, 1973, 10(4), 15–21. (see <http://www.eric.ed.gov/contentdelivery/servlet/ERICServlet?accno=ED069691>)
- Professional impotency among graduate students. *New Voices in Education*, 1972, 2(2), 16.

## EMPIRICAL RESEARCH PUBLISHED IN REFEREED PUBLICATIONS

- With Y. Chen & C. Lin. The impact of training participation on wages for mid-career women: On-the-job vs off-the-job training. *Applied Science and Management Research*, 2015, 2(1), 20-31. doi:10.6511/ASMR.2(1).03
- With K. Kim. The benefits of high school experiences on growth in occupational status in the U.S. *International Journal for Educational and Vocational Guidance*, 2015, 15, 1–24. <http://dx.doi.org/10.1007/s10775-015-9290-x>
- With Jeon, K. S., Kim, T., & Kim, W. Impact of organizational communication, innovation culture, and organizational commitment on the effectiveness of informal learning in Korea. *The Korean Journal of Human Resource Development Quarterly*, 2013, 15(3), 307–334.
- With Jeon, K. S., Lee, C., Hunsaker, W. Spiritual leadership: A validation study in a Korean context. *Journal of Management, Spirituality and Religion*, 2013, 10(4), 342-357. DOI:10.1080/14766086.2013.801026
- With R. Boswell. Role of early family configuration and hours worked on student success in two-year colleges. *The Community College Enterprise*, 2013, 19(1) 9–18.

- With T. Thonhauser. ISO 9000 in education: A comparison between the United States and England. *Research in Comparative and International Education*, 2006, 1(2), 156–173. doi: 10.2304/rcie.2006.1.2.156
- With A. Mohamed & C. Lin. Underemployment and participation in vocational education. *International Journal of Vocational Education and Training*, 2002, 10(2), 5–25.
- With J. Wall, C. Pellock, H. Tucker, & C. Lin. Lost opportunities: A case study of the worth of technical skills to a community. *Central Business Review*, 2002, 21(2), 27–32.
- With J. Nelson & W. Anderson. Economic development and air pollution abatement: A state-level simulation of the 1990 Clean Air Act. *Journal of Environment and Development*, 1997, 6(1), 61–84. doi: 10.1177/107049659700600104
- With C. Pellock & G. Wang. Ballpark estimates: Impact of the 1994 baseball strike on the Pennsylvania economy. *Journal of Sport & Social Issues*, 1996, 20(2), 161–172. doi: 10.1177/019372396020002004
- With W.D. Anderson. What if it all works? The economic stakes for Pennsylvania school reform. *Pennsylvania Educational Leadership*, 1994, 14(1), 32–38.
- Employment and economic development. *Journal of Technical and Vocational Education*, 1990, 7, 1–19.
- Epidemiological analysis as a method of identifying safety training needs. *Human Resource Development Quarterly*, 1988, 1(3), 277–293. doi:10.1002/hrdq.3920010309
- With M.C. Radomsky, L.W. Saperstein, & J.D. Bennett. Improved mandated training through on-site safety services. *Mining Engineering*, 1988, 40(6), 444–446. (Also published in *Transactions of the Society of Mining Engineers*, 1988, 284, 444–446).
- With G. Risher & U. Ay. A measurement model for labour force attachment of American youth. *Journal of Technical and Vocational Education*, 1987, 4, 45–60.
- With J.D. Bennett. Confirmatory factor analysis model of the reliability of a measure of the severity of coal mine injuries in the United States. *Transactions of the Society of Mining Engineers*, 1987, 280(Part A), 2111–2114.
- With J.D. Bennett. Hazard rating models for risk assessment. *Annals of the American Conference of Governmental Industrial Hygienists*, 1986, 14, 149–152.
- With J.D. Bennett. A latent variable approach to estimating the reliability of coal mine safety data. *Annals of the American Conference of Governmental Industrial Hygienists*, 1986, 14, 143–148.
- With J.D. Bennett. Potential injury reduction through use of diesel equipment: An analysis of electrical injuries. *Transactions of the Society of Mining Engineers*, 1986, 278, 1829–1832.
- With J.D. Bennett. Multinomial logit model of injury severity in U.S. underground bituminous coal mines, 1975–1982. *Accident Analysis and Prevention*, 1986, 17(5), 399–408. doi: 10.1016/0001-4575(85)90094-6
- With D.A. Mohamed. Perception of student rewards by vocational students and teachers. *Journal of Studies in Technical Careers*, 1984, 6(1), 29–31.
- With J.D. Bennett. Probability of death, disability, and restricted work activity in United States underground bituminous coal mines, 1975–1981. *Journal of Safety Research*, 1984, 15(2), 69–76. [http://dx.doi.org/10.1016/0022-4375\(84\)90003-3](http://dx.doi.org/10.1016/0022-4375(84)90003-3)
- With D.A. Mohamed. Application of logistic regression techniques in survey research. *The Journal of Vocational Education Research*, 1984, 9(1), 1–9.
- With J.D. Bennett. Days lost from work as a result of injuries in U.S. underground bituminous coal mines, 1975–1981. *Journal of Occupational Accidents*, 1984, 5, 265–278. doi:10.1016/0376-6349(84)90005-1
- With M. Marron, W.P. Norton, & D.A. Mohamed. National employment outlook for medical record technicians. *Journal of Studies in Technical Careers*, 1983, 5(1), 27–34.
- With U. Ay, S. Rockel, B. Wade, & J. Wise. Health and youth employment. *Applied Economics*, 1983, 15(1), 715–729. <http://dx.doi.org/10.1080/00036848300000061>
- With D.A. Mohamed. Leadership styles of vocational teachers of disadvantaged students. *Journal of Studies in Technical Careers*, 1983, 5(4), 321–323.

- With F. Welch. Relationship between preference for part-time work and the characteristics of unemployed youth. *Adolescence*, 1983, 18(3), 181–192.
- A probabilistic model of student nurses' knowledge of normal nutrition. *Journal of Studies in Technical Careers*, 1983, 5(3), 185–194.
- Analysis and reporting in recently published vocational education research. *Journal of Industrial Teacher Education*, 1983, 20(3), 39–41.
- With U. Ay, S. Rockel, B. Wade, & J. Wise. Employment conditions of youths whose use of English is limited. *Journal of Vocational Special Needs Education*, 1982, 5(1), 3–8.
- With F. Welch. Previous work experience of unemployed youth. *Journal of Studies in Technical Careers*, 1982, 4(3), 217–223.
- With M. Marron. Relationship between accreditation status and hourly wages of medical record technicians. *Health Policy and Education*, 1982, 3, 215–221. doi: 10.1016/0165-2281(82)90002-9
- With U. Ay, & E. Geer. Reliability of the *Knowledge of World of Work* test. *Journal of Studies in Technical Careers*, 1982, 4(4), 309–311.
- With M. Marron. Stating expected employment outcomes of occupational programs: A case study. *Journal of Studies in Technical Careers*, 1982, 4(1), 13–26.
- Youth joblessness and career education. *The Journal of Epsilon Pi Tau*, 1981, 7(1), 8–20.
- Estimation and correction of selectivity bias due to non-returns in a mail survey of deaf postsecondary occupational program graduates. *Journal of Industrial Teacher Education*, 1981, 18(4), 3–11.)
- With M. Marron. Occupational supply information for planning education for work. *Journal of Industrial Teacher Education*, 1979, 17(1), 39–56.
- The bookkeeping occupation: What does the future hold? *Journal of Studies in Technical Careers*, 1979, 1(2), 162–171.
- The usefulness of weighting test item responses. *Journal of Industrial Teacher Education*, 1973, 10(1), 59–67. (see <http://www.eric.ed.gov/contentdelivery/servlet/ERICServlet?accno=ED069692>)

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- With R.M. Baker, & D.L. Dixon. *Role of plastics manufacturing in the economy of Carbon, Monroe, Pike, & Wayne counties*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 7 May 2010. (see <http://ssrn.com/abstract=1602151>)
- With R.M. Baker. *Role of fabricated structural steel manufacturing in the economy of Luzerne county*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 30 April 2010. (see <http://ssrn.com/abstract=1598291>)
- With R.M. Baker, & D.L. Dixon. *Role of employment services in the economy of Franklin county*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 30 April 2010. (see <http://ssrn.com/abstract=1598424>)
- With R.M. Baker, & D.L. Dixon. *Role of plastics products manufacturing in the economy of Erie county*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 30 April 2010. (see <http://ssrn.com/abstract=1598411>)
- With R.M. Baker, & D.L. Dixon. *Role of glass container manufacturing in the economy of Clarion, Jefferson, & Clearfield counties*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 16 April 2010. (see <http://ssrn.com/abstract=1589144>)
- With R.M. Baker, & D.L. Dixon. *Role of glass and glass products manufacturing in the economy of Huntingdon County*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 9 April 2010. (see <http://ssrn.com/abstract=1587035>)

- With R.M. Baker, & D.L. Dixon. *Role of fruit and vegetable canning in the economy of Blair County*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 2 April 2010. (see <http://ssrn.com/abstract=1581304>)
- With R.M. Baker. *Role of poultry and egg production in the economy of the United States*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 30 March 2010. (see <http://ssrn.com/abstract=1581500>)
- With R.M. Baker, & D.L. Dixon. *Role of mining machinery and equipment manufacturing in the economy of Blair County*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 26 March 2010. (see <http://ssrn.com/abstract=1576681>)
- With R.M. Baker, & D.L. Dixon. *Role of poultry and egg production in the Pennsylvania economy*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 19 March 2010. (see <http://ssrn.com/abstract=1574335>)
- With R.M. Baker, & D.L. Dixon. *Role of paper mills in the economy of Blair County*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 19 March 2010. (see <http://ssrn.com/abstract=1572843>)
- With R.M. Baker, & D.L. Dixon. *Role of manufacturing textile products from purchased materials in the economy of Lebanon County*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 12 March 2010. (see <http://ssrn.com/abstract=1567615>)
- With R.M. Baker, & D.L. Dixon. *Role of support activities for transportation in the economy of Philadelphia & Delaware Counties*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 5 March 2010. (see <http://ssrn.com/abstract=1565592>)
- With R.M. Baker, & D.L. Dixon. *Role of nursing and residential care facilities in the Pennsylvania economy*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 25 February 2010. (see <http://ssrn.com/abstract=1559099>)
- With R.M. Baker, & D.L. Dixon. *Role of hospitals in the Pennsylvania economy*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 23 February 2010. (see <http://ssrn.com/abstract=1557864>)
- With R.M. Baker, & D.L. Dixon. *Role of ambulatory health care services in the Pennsylvania economy*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 18 February 2010. (see <http://ssrn.com/abstract=1555084>)
- With R.M. Baker, & D.L. Dixon. *Role of nursing & residential care facilities in the economy of Potter & Tioga counties*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 10 February 2010. (see <http://ssrn.com/abstract=1550837>)
- With R.M. Baker, K. Tenny, & J.W. Yoo. *Role of soft drink & ice manufacturing in the economy of Washington County*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 9 March 2009.
- With R.M. Baker, K. Tenny, & J.W. Yoo. *Role of resilient floor covering manufacturing in the economy of Lancaster County*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 9 March 2009.
- With R.M. Baker, K. Tenny, & J.W. Yoo. *Role of general medical & surgical hospitals in the economy of Cumberland & Dauphin counties*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 9 March 2009.
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- With R.M. Baker, K. Tenny, & J.W. Yoo. *Role of nondepository credit intermediation in the economy of Montgomery County*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 2 March 2009.
- With R.M. Baker, K. Tenny, & J.W. Yoo. *Role of general medical & surgical hospitals in the economy of Dauphin, Lancaster & Lebanon Counties*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 27 February 2009.

- With R.M. Baker, K. Tenny, & J.W. Yoo. *The role of motor and generator manufacturing in Chester and Montgomery counties*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 19 February 2009.
- With R.M. Baker. *Role of motor vehicle and parts dealerships in the Pennsylvania economy*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 4 December 2008.
- With R.M. Baker. *Forecast of the economic impact of purchases of vehicles & parts by Pennsylvania households, 2008*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 4 December 2008.
- With R.M. Baker, K. Tenny, & J.W. Yoo. *Role of research and development in the physical, engineering, and life sciences in the economy of Allegheny and Westmoreland counties*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 14 November 2008.
- With R.M. Baker, K. Tenny, & J.W. Yoo. *Role of commercial banking in the economy of Allegheny County*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 31 October 2008.
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- With R.M. Baker, K. Tenny, & J.W. Yoo. *Role of pharmaceutical preparation manufacturing in the economy of Montgomery & Philadelphia counties*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 31 October 2008.
- With R.M. Baker & J.W. Yoo. *Role of newspaper publishers in the economy of Cumberland & Dauphin counties*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 21 October 2008.
- With R.M. Baker & J.W. Yoo. *Role of machine shops in the economy of Lancaster County*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 21 October 2008.
- With R.M. Baker & J.W. Yoo. *Role of miscellaneous general purpose machinery manufacturing in the economy of York County*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 21 October 2008.
- With R.M. Baker, K. Tenny, & J.W. Yoo. *Role of electric power generation, excluding hydroelectric & fossil fuels, in the economy of Columbia & Luzerne counties, Pennsylvania*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 10 October 2008.
- With R.M. Baker, K. Tenny, & J.W. Yoo. *Role of natural gas distribution in the economy of Allegheny County, Pennsylvania*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 10 October 2008.
- With R.M. Baker, K. Tenny, & J.W. Yoo. *Role of computer storage device manufacturing in the economy of Allegheny County, Pennsylvania*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 10 October 2008.
- With R.M. Baker, K. Tenny, & J.W. Yoo. *Role of newspaper publishing in the economy of Allegheny County, Pennsylvania*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 10 October 2008.
- With R.M. Baker, K. Tenny, & J.W. Yoo. *Role of upholstered household furniture manufacturing in the economy of Lancaster County, Pennsylvania*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 22 September 2008.
- With R.M. Baker & J.W. Yoo. *Role of real estate credit in the economy of Montgomery & Philadelphia counties*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 16 September 2008.
- With R.M. Baker & J.W. Yoo. *Role of the general medical & surgical hospitals industry in the economy of Lehigh & Northampton counties*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 12 September 2008.

With R.M. Baker. *Role of soap & detergent manufacturing in the economy of York County, Pennsylvania.* University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 12 September 2008.

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With R.M. Baker. *Role of gasket, packing, and sealing device manufacturing in the economy of Monroe County, Pennsylvania.* University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 29 August 2008.

With R.M. Baker. *Role of outpatient care centers, medical and diagnostic laboratories, and other ambulatory care services in the economy of Centre County, Pennsylvania.* University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 18 July 2008.

With R.M. Baker. *Role of sheet metal manufacturing in the economy of Bedford County, Pennsylvania.* University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 1 July 2008.

With R.M. Baker. *Role of paper & paperboard mills in the economy of Elk County, Pennsylvania.* University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 1 July 2008.

With R.M. Baker. *Role of dairy production in the economy of Huntingdon, Lancaster, & Mifflin counties, Pennsylvania.* University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 18 June 2008.

With R.M. Baker. *Role of home manufacturing in the economy of Clarion County, Pennsylvania.* University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 18 June 2008.

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With R.M. Baker. *The role of paperboard container manufacturing in the economy of Lancaster & York counties, Pennsylvania.* University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 12 June 2008.

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With R.M. Baker. *Role of retail trade in the economy of Mercer County, Pennsylvania.* University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 27 March 2008.

With R.M. Baker. *Role of hospitals in the economy of Luzerne County, Pennsylvania, Pennsylvania.* University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 8 February 2008.

With R.M. Baker. *Role of airports in the economy of Luzerne County, Pennsylvania, Pennsylvania.* University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 8 February 2008.

With R.M. Baker. *The role of the nonferrous foundry and forging industry in the economy of Centre County, Pennsylvania.* University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 2 February 2008.

With R.M. Baker & M. Loiacono. *Role of hospitals in the economy of Butler County, Pennsylvania.* University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 11 January 2008.



- With R.M. Baker & M. Loiacono. *Role of electronic & appliance stores in the economy of Centre County, Pennsylvania*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 11 January 2008.
- With R.M. Baker & M. Loiacono. *Potential role of basic organic chemical manufacturing in the economy of Clearfield County*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 11 January 2008.
- With R.M. Baker & M. Loiacono. *Role of pump & pumping equipment manufacturing in the economy of Allegheny & Westmoreland Counties*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 9 January 2008.
- With R.M. Baker & M. Loiacono. *Role of airports in the economy of Allegheny County*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 9 January 2008.
- With R.M. Baker & M. Loiacono. *Role of retail trade in the economy of Carbon & Northampton Counties*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 9 January 2008.
- With R.M. Baker & M. Loiacono. *Role of gas & oil operations in the economy of Elk, Forest, McKean, & Warren Counties*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 7 January 2008.
- With R.M. Baker. *Role of support activities for oil and gas operations in the economy of Elk, Forest, McKean, & Warren counties, Pennsylvania*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 4 January 2008.
- With R.M. Baker. *Role of petroleum refining in the economy of Elk, Forest, McKean, & Warren counties, Pennsylvania*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 4 January 2008.
- With R.M. Baker. *Role of drilling oil and gas wells in the economy of Elk, Forest, McKean, & Warren counties, Pennsylvania*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 4 January 2008.
- With R.M. Baker & M. Loiacono. *Role of monetary authorities and depository credit intermediation in the economy of Lancaster County*. University Park, Pennsylvania: Penn State University, Institute for Research in Training & Development, 12 November 2007.
- With R.M. Baker & M. Loiacono. *Role of miscellaneous ambulatory health care services in the economy of Bedford County*. University Park, Pennsylvania: Penn State University, Institute for Research in Training & Development, 2 November 2007.
- With R.M. Baker & M. Loiacono. *Role of wholesale trade in the economy of Franklin (Pennsylvania) and Washington (MD) counties*. University Park, Pennsylvania: Penn State University, Institute for Research in Training & Development, 2 November 2007.
- With R.M. Baker & M. Loiacono. *Role of biotechnology & pharmaceuticals in the economy of Bucks & Montgomery counties*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 31 October 2007.
- With R.M. Baker & M. Loiacono. *Role of gas and oil extraction and refining in the economy of McKean County*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 31 October 2007.
- With R.M. Baker & M. Loiacono. *Role of business support services in the economy of Blair and Cambria counties*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 31 October 2007.
- With R.M. Baker & M. Loiacono. *Role of wood products in the economy of Adams, Dauphin, and York counties*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 31 October 2007.
- With R.M. Baker & M. Loiacono. *Role of plastics plumbing fixture and miscellaneous plastics products manufacturing in the economy of Adams and York counties*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, 31 October 2007.

- With R.M. Baker & M. Loiacono. *Role of credit and lending services in the economy of northeast Pennsylvania*. University Park, Pennsylvania: Penn State University, Institute for Research in Training & Development, October 3, 2007.
- With R.M. Baker & M. Loiacono. *Role of securities, commodities contracts, and investments in the economy of northeast Pennsylvania*. University Park, Pennsylvania: Penn State University, Institute for Research in Training & Development, October 3, 2007.
- With R.M. Baker & M. Loiacono. *Role of insurance carriers in the economy of northeast Pennsylvania*. University Park, Pennsylvania: Penn State University, Institute for Research in Training & Development, October 3, 2007.
- With R.M. Baker & M. Loiacono. *Role of insurance agencies and brokerages in the economy of northeast Pennsylvania*. University Park, Pennsylvania: Penn State University, Institute for Research in Training & Development, October 3, 2007.
- With R.M. Baker & M. Loiacono. *Role of funds and trusts in the economy of northeast Pennsylvania*. University Park, Pennsylvania: Penn State University, Institute for Research in Training & Development, October 3, 2007.
- With R.M. Baker & M. Loiacono. *Role of central banking functions in the economy of northeast Pennsylvania*. University Park, Pennsylvania: Penn State University, Institute for Research in Training & Development, October 3, 2007.
- With R.M. Baker & M. Loiacono. *Role of coal mining in the economy of Allegheny and Washington counties*. University Park, Pennsylvania: Penn State University, Institute for Research in Training & Development, October 3, 2007.
- With R.M. Baker & M. Loiacono. *Role of power generation and supply in the economy of Bucks County*. University Park, Pennsylvania: Penn State University, Institute for Research in Training & Development, October 3, 2007.
- With R.M. Baker & M. Loiacono. *Role of spectator sports in the economy of Allegheny County*. University Park, Pennsylvania: Penn State University, Institute for Research in Training & Development, October 2, 2007.
- With R.M. Baker & M. Loiacono. *Role of hardware manufacturing in the economy of Lackawanna and Luzerne counties*. University Park, Pennsylvania: Penn State University, Institute for Research in Training & Development, September 28, 2007.
- With R.M. Baker & M. Loiacono. *Role of wholesale trade in the economy of Lackawanna and Luzerne counties*. University Park, Pennsylvania: Penn State University, Institute for Research in Training & Development, September 28, 2007.
- With R.M. Baker & M. Loiacono. *The role of chemical manufacturing on Philadelphia County*. University Park, Pennsylvania: Penn State University, Institute for Research in Training & Development, September 19, 2007.
- With R.M. Baker & M. Loiacono. *The role of glass and glass products manufacturing in the economy of Blair County*. University Park, Pennsylvania: Penn State University, Institute for Research in Training & Development, September 19, 2007.
- With R.M. Baker & M. Loiacono. *Role of warehousing and storage in the economy of Lehigh and Northampton counties*. University Park, Pennsylvania: Penn State University, Institute for Research in Training & Development, September 19, 2007.
- With R.M. Baker & M. Loiacono. *Role of recreation and fitness centers in the economy of Lancaster County*. University Park, Pennsylvania: Penn State University, Institute for Research in Training & Development, September 18, 2007.
- With R.M. Baker & M. Loiacono. *Role of retail trade in the economy of Lancaster County*. University Park, Pennsylvania: Penn State University, Institute for Research in Training & Development, September 18, 2007.
- With R.M. Baker & M. Loiacono. *Role of retail trade in the economy of Lehigh and Northampton counties*. University Park, Pennsylvania: Penn State University, Institute for Research in Training & Development, September 18, 2007.

- With R.M. Baker & M. Loiacono. *The role of frozen food manufacturing in the economy of Lehigh and Northampton counties*. University Park, Pennsylvania: Penn State University, Institute for Research in Training & Development, September 4, 2007.
- With R.M. Baker. *Role of motor vehicle parts manufacturing in Bedford, Blair, and Huntingdon counties, Pennsylvania*. University Park, Pennsylvania: Penn State University, Institute for Research in Training & Development, August 9, 2007.
- With R.M. Baker. *Role of federal military spending in the economy of South Central Pennsylvania*. University Park, Pennsylvania: Penn State University, Institute for Research in Training & Development, July 27, 2007.
- With R.M. Baker. *Role of scientific research & development services in the economy of Armstrong, Butler, & Indiana Counties*. University Park, Pennsylvania: Penn State University, Institute for Research in Training & Development, July 27, 2007.
- With R.M. Baker. *Role of business support services in the economy of Potter County, Pennsylvania*. University Park, Pennsylvania: Penn State University, Institute for Research in Training & Development, July 20, 2007.
- With R.M. Baker. *Role of federal military spending in the economy of south central Pennsylvania*. University Park, Pennsylvania: Penn State University, Institute for Research in Training & Development, July 19, 2007.
- With R.M. Baker. *Role of electronic connector manufacturing in the economy of Adams, Dauphin, and York Counties, Pennsylvania*. University Park, Pennsylvania: Penn State University, Institute for Research in Training & Development, June 29, 2007.
- With R.M. Baker. *Role of audio and video equipment manufacturing in the economy of Dauphin County, Pennsylvania*. University Park, Pennsylvania: Penn State University, Institute for Research in Training & Development, March 23, 2007.
- With R.M. Baker. *Role of confectionery manufacturing in the economy of Dauphin County, Pennsylvania*. University Park, Pennsylvania: Penn State University, Institute for Research in Training & Development, February 16, 2007.
- With R.M. Baker. *Role of Osram Sylvania in the economy of Elk County, Pennsylvania*. University Park, Pennsylvania: Penn State University, Institute for Research in Training & Development, February 9, 2007.
- With R.M. Baker. *Role of freightcar manufacturing in the economy of Cambria County, Pennsylvania*. University Park, Pennsylvania: Penn State University, Institute for Research in Training & Development, January 24, 2007 (reported by Piatek, S. Freightcar exit would cost entire region. *The Tribute-Democrat*, January 24, 2007, p. A1.)

## BOOK REVIEWS

- Review of Z. Berge (Ed.), *Sustaining distance training*. *International Review of Research in Open and Distance Learning*, 2002, 3(2).
- Review of J. Weeks, B. Levy, & G. Wagner (Eds.), *Preventing occupational illness and injury*. *Human Resource Development Quarterly*, 1992, 3(4), 393–398.
- Review of J. Rothchild, *Teaching technology from a feminist perspective: A practical guide*. *Journal of Epsilon Pi Tau*, 1989, 15(2), 48–49.
- Review of K. Hendrick & L. Benner, *Investigating accidents with STEP*. *Accident Analysis and Prevention*, 1988, 20(2), 153–154. [http://dx.doi.org/10.1016/0001-4575\(88\)90032-2](http://dx.doi.org/10.1016/0001-4575(88)90032-2)
- Review of *The hearing impaired employee: An untapped resource*. *Volta Review*, 1986, 88(4), 246–247.
- With J. Hruska. Review of H. Kato, *Education and youth employment in Japan*. *The Journal of Epsilon Pi Tau*, 1981, 7(2), 50–52.
- With J. Hruska. Review of P.A. Carone, S. N. Kieffer, L.W. Krinsky, & S.F. Yolles (Eds.), *Misfits in industry*. *American Journal of Orthopsychiatry*, 1980, 50(2), 370–371. <http://dx.doi.org/10.1037/h0098881>

- Review of S. Levitan & R. Taggart, *Jobs for the disabled*. *Journal of Industrial Teacher Education*, 1978, 15(3), 85–86.
- Review of W. Hyde, *Metropolitan proprietary vocational schools*. *Journal of Industrial Teacher Education*, 1978, 16(1), 79–80.
- Review of J. O’Toole, *Work, learning and the American future*. *The School Review*, 1977, 86(1), 126–129. doi: 10.1086/443396
- Review of L.J. Rodriquez & D.A. Davis, *The Economics of Education*. *Educational Studies*, 1975, 5(4), 278–279.
- Review of G.R. Allen, *A graduate student’s guide to theses and dissertations*. *The School Review*, 1975, 83(2), 381–187. doi:10.1086/443196
- Review of W. Wilms, *Public and proprietary vocational training: A study of effectiveness*. *Journal of Industrial Teacher Education*, 1975, 13(1), 82–84.
- With J. Hruska. Review of M. Lazerson & W.N. Grubb, *American education and vocationalism: A documentary history, 1870-1970*. *Teachers College Record*, 1975, 77(1), 146–149. (see <http://www.tcrecord.org/Content.asp?ContentId=1312>)
- Review of G. Antonellis & G. James, *Cross discipline planning*. *Journal of Teacher Education*, 1974, 25(3), 279–281. doi: 0.1177/002248717402500335
- With J. Hruska. Review of G. Richmond, *The micro–society school: A real world in miniature*. *Teachers College Record*, 1974, 76(2), 363–364. (See <http://www.tcrecord.org/content.asp?contentid=1393>)
- Review of R. Evans, *Foundations of vocational education*. *School Review*, 1973, 82(1), 143–146. (also appeared in *Journal of Teacher Education*, 1973, 24(2), 163–164)

## COLUMNS PUBLISHED IN PENNSYLVANIA BUSINESS CENTRAL &amp; MARCELLUS BUSINESS CENTRAL

*Between in June 2008 and July 2013, Passmore and Rose Baker were contributing columnists for Pennsylvania Business Central (PBC) for which they wrote a monthly article about economic and workforce issues that affect a 16-county region in western and central Pennsylvania. Starting in June 2011, PBC started publishing Marcellus Business Central (MBC) as the first issue to appear in any month. Passmore and Baker’s column appeared in MBC when their work dealt with Marcellus Shale issues.*

- With R.M. Baker. A back–of–the–envelope assessment: Potential of liquified natural gas exports for the Pennsylvania economy, 2014–2020. *Marcellus Business Central*, 3(1), 9, 14 June 2013.
- With R.M. Baker. Lean pay? Lean in! *Pennsylvania Business Central*, 22(6), 13, 19 April 2013.
- With R.M. Baker. Pennsylvania imports and exports of oil and gas extraction. *Marcellus Business Central*, 2(11), 12, 5 April 2013.
- With R.M. Baker. The natural gas revolution starts soon. *Marcellus Business Central*, 2(9), 8, 8 February 2013.
- With R.M. Baker. The natural gas industry created pennsylvania jobs at a high rate. *Marcellus Business Central*, 2(7), p. 3, 7 December 2012.
- With R.M. Baker. A back–of–the–envelope assessment: The potential of federal budget sequestration for the Pennsylvania economy, 2013–2022. *Pennsylvania Business Central*, 21(12), p. 3, 12 November 2012.
- With R.M. Baker. Cracking the ethane cracker. *Marcellus Business Central*, 2(5), p. 11, 5 October 2012.
- With R.M. Baker. Cautious optimism about manufacturing. *Pennsylvania Business Central*, 21(11), p. 3, 19 October 2012.
- With R.M. Baker. Economists say “maybe.” Are you surprised? *Marcellus Business Central*, 2(3), p. 7, 10 August 2012.
- With R.M. Baker. Pennsylvania’s dependence on federal defense expenditures. *Pennsylvania Business Central*, 21(8), p. 5, 27 July 2012.
- With R.M. Baker. Educational attainment in central and western Pennsylvania. *Pennsylvania Business Central*, 21(1), p. 3, 15 June 2012.

- With R.M. Baker. Complex nexus of natural gas supplies and prices. *Marcellus Business Central*, 2(1), p. 3, 1 June 2012.
- With R.M. Baker. How many Pennsylvania jobs have turned green? *Pennsylvania Business Central*, 22(22), p. 3, 20 April 2012.
- With R.M. Baker. Marcellus Shale goes to school. *Marcellus Business Central*, 1(11), p. 3, 6 April 2012.
- With R.M. Baker. Could higher education creatively destruct? *Pennsylvania Business Central*, 21(20), p. 2, 24 February 2012.
- With R.M. Baker. Keeping employment in Pennsylvania oil and gas industry in perspective. *Marcellus Business Central*, 1(9), p. 3, 20 February 2012.
- With R.M. Baker. Just the facts ma'am: A statistical look at Centre County. *Pennsylvania Business Central*, 20(18), pp. 15-16, 23 December 2011.
- With R.M. Baker. Spending drives jobs in western and central Pennsylvania. *Pennsylvania Business Central*, 20(17)p. 3, 18 November 2011.
- With R.M. Baker. Different numbers in, different numbers out. *Marcellus Business Central*, 1(5), p. 9; p. 15, 7 October 2011.
- With R.M. Baker. Potential skill surpluses and shortages in Pennsylvania. *Pennsylvania Business Central*, 20(15), p. 3, 23 September 2011.
- With R.M. Baker. Reverse engineering the economic impacts of the Pennsylvania Marcellus natural gas industry. *Marcellus Business Central*, 1(3), p. 7, 12 August 2011.
- With R.M. Baker. Pennsylvania "1099" employment in Marcellus Shale core industries. *Pennsylvania Business Central*, 20(12), p. 15, 15 July 2011.
- With R.M. Baker. Potential economic impact of four natural gas severance tax proposals. *Marcellus Business Central*, 1(1), pp. 17-18, 10 June 2011.
- With R.M. Baker. A loss and a miss ripple through Centre County. *Pennsylvania Business Central*, 20(9), pp. 3-4, 6 May 2011.
- With R.M. Baker. State and local government employee compensation in Pennsylvania. *Pennsylvania Business Central*, 20(8), p. 4, 22 April 2011.
- With R.M. Baker. The push and pull of Governor Corbett's budget for Pennsylvania. *Pennsylvania Business Central*, 20(6), p. 7, 8 April 2011.
- With R.M. Baker. Tracking private investment spending in Pennsylvania. *Pennsylvania Business Central*, 20(3), p. 5, 11 February 2011.
- With R.M. Baker. Made by us, sold to them. *Pennsylvania Business Central*, 20(1), p. 6, 14 January 2011.
- With R.M. Baker. A natural gas severance tax: A just tax or a legal plunder. *Pennsylvania Business Central*, 19(18), 11, 22 October 2010.
- With R.M. Baker. Sunny side of the street in Blair County. *Pennsylvania Business Central*, 19(19), p. 1 & p. 3. 24 September 2010.
- With R.M. Baker. Is personal investment in college education another case of "irrational exuberance?" *Pennsylvania Business Central*, 19(17), p. 14, 27 August 2010.
- With R.M. Baker. It's not the gas, it's what you think about the gas. *Pennsylvania Business Central*, 19(16), p. 20, 13 August 2010. Archived from the *Pennsylvania Business Central* by WebCite® at <http://www.webcitation.org/5s3ex8rUe>
- With R.M. Baker. Could your job move offshore? *Pennsylvania Business Central*, 19(13), p. 13, 2 July 2010.
- With R.M. Baker. Should Pennsylvania get busy and innovate? *Pennsylvania Business Central*, 19(11), p. 11, 4 June 2010.
- With R.M. Baker. Unauthorized immigration... Who cares, how much, and why? *Pennsylvania Business Central*, 19(9), p. 14, 7 May 2010.

- With R.M. Baker. Who do the voodoo with the data? *Pennsylvania Business Central*, 19(5), p. 26, 12 March 2010.
- With R.M. Baker, Unemployed? Let us count the ways. *Pennsylvania Business Central*, 19(3), p. 6, 12 February 2010.
- With R.M. Baker. Pandemic economics for Pennsylvania. *Pennsylvania Business Central*, 18(24), p. 11, 4 December 2009.
- With R.M. Baker. And, the winners are—Assessing the real strengths of the regional economy. *Pennsylvania Business Central*, 18(21), p. 7, 23 October 2009.
- With R.M. Baker. A snapshot of this region from our album—The numbers reveal strengths and weaknesses. *Pennsylvania Business Central*, 18(18), p. 6, 11 September 2009.
- With R.M. Baker. Turbulence ahead for general aviation? *Pennsylvania Business Central*, 18(16), p. 7, 14 August 2009.
- With R.M. Baker. Distress in powder metallurgy. *Pennsylvania Business Central*, 18(14), p. 14, 17 July 2009.
- With R.M. Baker. Breaches of data security costly to business. *Pennsylvania Business Central*, 18(12), p. 5, 12 June 2009.
- With R.M. Baker. Think our economy is in trouble now? Just wait until a bunch of the sun is flung at the Earth! *Pennsylvania Business Central*, 18(10), p. 7, 15 May 2009.
- With R.M. Baker. The economic stakes for reducing teen pregnancy? Small when seen in the context of the entire economy. *Pennsylvania Business Central*, 18(9), p. 15, 17 April 2009.
- With R.M. Baker. Higher unemployment hurts now *and* later. *Pennsylvania Business Central*, 18(4), p. 16, 20 February 2009.
- With R.M. Baker. It's not easy counting green...jobs, that is. *Pennsylvania Business Central*, 18(2), p. 5, 23 January 2009.
- With R.M. Baker. How much does the Pennsylvania economy depend on auto purchases and sales? *Pennsylvania Business Central*, 18(1), p. 15, 16 January 2009.
- With R.M. Baker. Youth are also at risk in current economy: Teenagers are at high risk for labor market problems. *Pennsylvania Business Central*, 17(22), p. 7, 24 October 24 2008.
- With R.M. Baker. The game of concentration. *Pennsylvania Business Central*, 17(21), p. 11 & p. 16, 10 October 2008.
- With R.M. Baker. How well do industries in western and central Pennsylvania compete? *Pennsylvania Business Central*, 17(18), p. 6, 29 August 2008.
- With R.M. Baker. Crisis looming in long-term care: Who will care for you? *Pennsylvania Business Central*, 17(16), p. 7, 1 August 2008.
- With R.M. Baker. Your electrifying utility bill. *Pennsylvania Business Central*, 17(13), pp. 2-3, 20 June 2008.

#### MEDIA PARTICIPATION

- Robaton, A. (2017, March). Clerical help wanted — College degree required [Interview with David Passmore about hiring of college grads]. *CBS Money Watch*. Retrieved from <http://www.cbsnews.com/news/clerical-help-wanted-college-degree-required/> and archived by WebCite® at <http://www.webcitation.org/6p6oHKKgt>
- Simonite, T. (2016, December 14). Online education pioneer boots up a jobs program for the tech industry [Interview with D. L. Passmore about a Sebastian Thrun online training program.]. *MIT Technology Review*. Retrieved from <https://www.technologyreview.com/s/603064/online-education-pioneer-boots-up-a-jobs-program-for-the-tech-industry/> and archived by WebCite® at <http://www.webcitation.org/6nH25EaeO>
- Pronko, R. B. Unpacking the new job numbers: More jobs and less job seekers creates more questions than answers [Interview with David Passmore and Rose Baker]. *Pennsylvania Business Central*, 26(7),

5, 25 March 2016. Archived by WebCite® at <http://www.webcitation.org/6gTFeuYHW>, and available at <https://goo.gl/WkXFeK>.

Jacobs, L. (Producer). (2015, August 29). *Innovation and higher education: Can we teach the elephants to dance? Education Talk Radio* [Audio podcast]. Interviewed were John Foster, Kyle Peck, and David Passmore.

Robaton, A. (2015, June 6). What will you be doing in 2022? Hottest jobs for grads (Interview with David Passmore about jobs for the future). *CNBC*. Retrieved from <http://www.cnb.com/id/102733994>

Jacobs, L. (Producer). (2015, May 29). Radical changes in work and education. *Education Talk Radio* [Audio podcast]. Interviewed were Kyle Peck and David Passmore. Retrieved from <http://www.blogtalkradio.com/edutalk/2015/05/29/radical-changes-in-work-and-education>

Satalia, P. *The future of education and work*. On *Conversations LIVE*, a live one-hour radio and television call-in program simulcast on WPSU-FM and WPSU-TV (PBS-affiliate radio and television through Penn State), broadcast on 30 April 2015. Panelists were Kyle Peck and David Passmore. Video recording archived at <https://youtu.be/gPFQ1EIsDy0>.

Satalia, P. *The future of education and work*. On *Take Note* (WPSU-FM — PBS affiliate — radio program through Penn State). [http://cpa.ds.npr.org/wpsu/audio/2015/04/tn\\_future\\_of\\_jobs\\_and\\_ed\\_042415.mp3](http://cpa.ds.npr.org/wpsu/audio/2015/04/tn_future_of_jobs_and_ed_042415.mp3), broadcast on 17 April 2015. Interviewed were Kyle Peck and David Passmore, Penn State College of Education.

Satalia, P. *Career and technical education*. On *Conversations LIVE*, a live one-hour radio and television call-in program on WPSU-FM and WPSU-TV (PBS-affiliate radio and television through Penn State), 26 February 2015. Panelists were David Passmore, Penn State College of Education, and Paul Starkey, Vice President for Academic Affairs and Provost, Pennsylvania College of Technology. Video recording archived at <https://youtu.be/qVESibGRexE>

Satalia, P. *Career and technology education can lead to a middle class income*. On *Take Note* (WPSU-FM — PBS affiliate — radio program). <http://goo.gl/HnIkjl>, 19 December 2014. Interviewed were David Passmore, Penn State College of Education, and Richard Makin, Director of the Central Pennsylvania Institute of Science & Technology.

Pronko, R. B. Shale jobs contribute to the Pennsylvania economy (Interview of Rose Baker and David Passmore about their research on Marcellus Shale natural gas development). *Marcellus Business Central*, 4(3), 3-5, 7 November 2014.

Bowling, B. Oilfields may be fountain of youth for Western Pennsylvania. (contains interview with Rose Baker and David Passmore about the relationship between demographic change and employment in the Pennsylvania oil and gas industry). *Pittsburgh Tribune-Review*, 29 June 2014. Retrieved from <http://triblive.com/state/marcellusshale/6315369-74/county-allegheeny-jobs#axzz35vzXFuFc>

Stuhldreher, T. Report predicts economic benefits to expanding Pre-K (contains interview with Rose Baker and David Passmore about their assessment of a macroeconomic study of the regional economic impact of early child education in Pennsylvania). *Intelligencer Journal*, 27 April 2014. Retrieved from [http://lancasteronline.com/business/local\\_business/report-predicts-economic-benefits-to-expanding-pre-k/article\\_5e077548-cc94-11e3-89f1-001a4bcf6878.html](http://lancasteronline.com/business/local_business/report-predicts-economic-benefits-to-expanding-pre-k/article_5e077548-cc94-11e3-89f1-001a4bcf6878.html)

Sinderson, G. Penn State English [*sic*] professor writes letter stressing Franklin's background. WJAC-TV (Johnstown, Pennsylvania).

Garrett, M. M. Pennsylvania unveils site for graduates in job market (contains interview with D. L. Passmore about job market for college graduates). *The Daily Collegian*, p. 8, 14 October 2013.

Maykuth, A. Debating economic impact of Marcellus Shale in Pennsylvania (contains interview with D. L. Passmore regarding Passmore and Rose M. Baker research on Marcellus Shale natural gas impacts). *The Philadelphia Inquirer*, p. D1, 5 May 2013. Retrieved from [http://www.philly.com/philly/business/20130505\\_Debating\\_economic\\_impact\\_of\\_Marcellus\\_Shale\\_in\\_Pa\\_.html](http://www.philly.com/philly/business/20130505_Debating_economic_impact_of_Marcellus_Shale_in_Pa_.html) and archived by WebCite® at <http://www.webcitation.org/6GPYI2G6L>

On-air interviews with D. L. Passmore about Passmore and Rose Baker article, "A back-of-the-envelope assessment: The potential of federal budget sequestration for the Pennsylvania economy, 2013-2022," that appeared in *Pennsylvania Business Central*.

- Douglas, W. Fiscal cliff threatens money for Penn State, rest of state. *Centre Daily Times*, December 15, 2012. Retrieved from <http://www.centredaily.com/2012/12/15/3437017/fiscal-cliff-threatens-money-for.html> and archived by WebCite® at <http://www.webcitation.org/6DNUhRvDd>
- Guggenheimer, P. Close to the edge. Text and audio available at <http://wesa.fm/content/close-edge> and archived by WebCite® at <http://goo.gl/rvCvB>. Also, extended interview with D. L. Passmore about risks for Pennsylvania economy in federal budget sequestration on daily one-hour news and public affairs program, *Essential Pittsburgh* (<http://wesa.fm/essential-pittsburgh>). *WESA 90.5 FM, Pittsburgh's NPR News Station*, December 5, 2012.
- Garcia, D. Fiscal cliff could have “catastrophic” impact on Pennsylvania. *WESA 90.5 FM, Pittsburgh's NPR News Station*, November 30, 2012. Audio retrieved from <http://goo.gl/lfgvF> and text retrieved from <http://wesa.fm/2012/11/30/fiscal-cliff-could-have-catastrophic-impact-pennsylvania> and archived by WebCite® at <http://www.webcitation.org/6CZBSYtDk>.
- Jacobs, E. Pennsylvania will lose 47,000 jobs if nation goes off fiscal cliff. *WHYY Radio 90.9 FM* (Philadelphia), November 30, 2012. Retrieved from <http://www.newsworks.org/index.php/local/item/47726> and archived by WebCite® at <http://www.webcitation.org/6CbtPeE05>.
- Layne, C. Penn State researchers measure PA impact of “fiscal cliff.” *WTF-FM* (Harrisburg NPR News Station), December 6, 2012. On-air interview. Text available at <http://www.witf.org/news/2012/12/penn-state-researchers-measure-pa-impact-of-fiscal-cliff.php> and archived by WebCite® at <http://www.webcitation.org/6CiFgXvn8>.

Paul, M. *Closing in on the fiscal cliff*, December 4, 2012. Retrieved from <http://www.pamatters.com/2012/12/04/closing-in-on-the-fiscal-cliff/> and archived by WebCite® at <http://www.webcitation.org/6CiGF41rP>.

Stuhldreher, T. ModSpace and Marcellus jobs. (Interview). *Central Penn Business Journal*, November 27, 2012. Retrieved from <http://www.centralpennbusiness.com/article/20121127/BLOGEXTRA/121129884/0/> and archived by WebCite® at <http://www.webcitation.org/6Cpf0lvDG>

Gearino, D. Oil, gas taxes vary widely by state: Kasich, foes of his plan will find state variances (Includes interview with R. M. Baker & D. L. Passmore about research on natural gas severance tax). *The Columbus (Ohio) Dispatch*, March 19, 2012. Retrieved from <http://www.dispatch.com/content/stories/business/2012/03/19/oil-gas-taxes-vary-widely-by-state.html> and archived by WebCite® at <http://www.webcitation.org/66HNuhvKK>

White, C. Centre County’s economic review and forecast (entire section of newspaper that includes economic data, forecasts, and commentary provided by R. M. Baker & D. L. Passmore). *Centre Daily Times*, February 12, 2012, pp, E1–E16. Archived by WebCite® at <http://www.webcitation.org/66AFTfcEO>

Frank, W. I-99 driving development: 22,000 people come to Blair County to work (Article about speech by R.M. Baker and D.L. Passmore to the Blair County Chamber Breakfast Club). *Altoona Mirror*, November 18, 2011. Retrieved from <http://www.altoonamirror.com/page/content.detail/id/555510/I-99-driving-development.html?nav=725> and archived by WebCite® at <http://www.webcitation.org/63GJjCqn9>

Perval, J. Protesters believe the state’s losing money without a fee or tax. (Video interview about research by R.M. Baker & D.L. Passmore on the economic impact of a Marcellus Shale natural gas severance tax). *WTAJ-TV News*. Retrieved from [http://wearecentralpa.com/wtaj-news-fulltext?nxd\\_id=317097](http://wearecentralpa.com/wtaj-news-fulltext?nxd_id=317097) and archived by WebCite® at <http://www.webcitation.org/62hSB31BB>

Dino, J. School furloughs provide economic woes (Interview with D.L. Passmore about the labor market for teachers in Hazelton, Pennsylvania). *Hazelton Standard Speaker*, September 4, 2011. Retrieved from <http://standardspeaker.com/news/school-furloughs-provide-economic-woes-1.1197647#axzz1f37bl5SW> and archived by WebCite® at <http://www.webcitation.org/63XoeRPuk>

Maher, K. Boom in gas drilling bringing jobs to Pennsylvania, but how many? (Contains interview with D.L. Passmore re Marcellus Shale job estimates) *Wall Street Journal*, August 3, 2011, pp. B1, B2. Retrieved from <http://online.wsj.com/article/SB10001424053111904233404576462543376226516.html> and archived by WebCite® at <http://www.webcitation.org/60dX7OrCS>

Rovins, D. Motorsports plan moving forward (Article about R.M. Baker and D.L. Passmore research on the economic impact of Libery Bell Motorsports Park and Campground). *The Southern Berks News*, May 31, 2011. Retrieved from [http://www.berksmontnews.com/articles/2011/05/31/southern\\_berks\\_news/news/doc4de51c67dc727740079418.txt](http://www.berksmontnews.com/articles/2011/05/31/southern_berks_news/news/doc4de51c67dc727740079418.txt) and archived by WebCite® at <http://www.webcitation.org/5z7Hnlqao>

Fullerton, M. Plans on track for proposed motorsports park, campground (Article about R.M. Baker and D.L. Passmore research on the economic impact of Libery Bell Motorsports Park and



Campground). *69 News, WFMZ-TV* (Philadelphia/Easton/Berks/Lehigh Valley, Pennsylvania) May 24, 2011. Retrieved from <http://www.wfmz.com/berksnews/28009109/detail.html> and archived by WebCite® at <http://www.webcitation.org/5z7GnGFBE>.

Sound off: What you said. (Interview about impact of natural gas tax). *Central Penn Business Journal*, May 27, 2011. Retrieved from <http://www.centralpennbusiness.com/article/20110527/CPBJ01/110529848/0/> and archived by WebCite® at <http://www.webcitation.org/6CpfKfa1L>

Liberty Bell Motorsports Park and Campground gets community revved up for new facility (Article about R.M. Baker and D.L. Passmore research on the economic impact of Liberty Bell Motorsports Park and Campground). *PRLog*, May 24, 2011, retrieved from <http://www.prlog.org/11506002-liberty-bell-motorsports-park-and-campground-gets-community-revved-up-for-new-facility.html> and archived by WebCite® at <http://www.webcitation.org/5z7HSRAZ8>

Paul. M. (2011, May 23). Interview with R.M. Baker and D.L. Passmore about research on Marcellus Shale gas tax. *RadioPA Newsline* (Hourly newscasts with emphasis on the governor's office and state capitol, and the ability to report on major breaking news across Pennsylvania). Also, extended interview on *Radio PA Roundtable*, a 30-minute program featuring in-depth reporting on the top news stories of the week).

DiSalvo speaks at reception for proposed Liberty Bell Motorsports Park In Pennsylvania (contains report of Baker & Passmore study of the potential economic impact of Liberty Bell Motorsports Park). *Road Racing World*, May 23, 2011. Retrieved from <http://roadracingworld.com/news/article/?article=44531> and archived by WebCite® at <http://www.webcitation.org/5z7HVeW9N>

White, C. Study spurs on tax backers: PSU professors examine economic impact of PA of drilling fee proposals. (Report of a study on potential impact of natural gas severance tax by Rose Baker and David Passmore). *Centre Daily Times*, May 22, 2011, p. 1; p. 3. Retrieved from <http://www.centredaily.com/2011/05/22/2727902/psu-professors-examine-economic.html> and archived by WebCite® at <http://www.webcitation.org/5ysj90wPt>.

White, C. Jostens move to have greater impact on region than job loss (Interview with D.L. Passmore about economic impact of loss of jobs from a commercial publisher in Centre County, Pennsylvania). *Centre Daily Times*, April 29, 2011, p. 1. Retrieved from <http://www.centredaily.com/2011/04/29/2679168/jostens-move-to-have-greater-impact.html> and archived by WebCite® at <http://www.webcitation.org/5yJBq3YmA>

Mahon, E. Local schools look at freeze (Contains interview with R.M. Baker and D.L. Passmore). *Centre Daily Times*, March 13, 2010, p. 1. Retrieved from <http://www.centredaily.com/2011/03/13/2578831/local-schools-look-at-freeze.html> and archived by WebCite® at <http://www.webcitation.org/5xAKzKaQY>

Mahon, E. Districts struggling to make up revenue loss when stimulus ends (Contains interview with R. M. Baker and D. L. Passmore). *Centre Daily Times*, February 13, 2010, 1,3. Retrieved from <http://www.centredaily.com/2011/02/13/2516633/districts-struggling-to-make-up.html> and archived by WebCite® at <http://www.webcitation.org/5yO7ELUxK>

Frank, W. Speakers believe best days are ahead (report of a speech by R.M. Baker & D. L. Passmore at Blair County Economic Summit. *Altoona Mirror*. Retrieved from <http://www.altoonamirror.com/page/content.detail/id/542518/Speakers-believe-best-days-are-ahead.html?nav=742> and archived by WebCite® at <http://www.webcitation.org/5suPvqZeq>

Flanagan, K. Blair County economic outlook session held (video). *WTAJ-TV*. Retrieved from [http://wearecentralpa.com/wtaj-news-fulltext?nxd\\_id=208275](http://wearecentralpa.com/wtaj-news-fulltext?nxd_id=208275) and archived by WebCite® at <http://www.webcitation.org/5sug0XkHO>

Media and blog activity related to R. M. Baker and D. L. Passmore report, *Benchmarks for Assessing the Potential Impact of a Natural Gas Severance Tax on the Pennsylvania Economy*, published by the Institute for Research in Training & Development:

- Paul, M. (2010, September 15–17). Severance tax audio interview with R. Baker & D. Passmore. *RadioPA Newsline* (Hourly newscasts with emphasis on the governor's office and state capitol, and the ability to report on major breaking news across Pennsylvania). Also, extended interview on *Radio PA Roundtable*, a 30-minute program featuring in-depth reporting on the top news stories of the week, was broadcast, too.

- Severance tax impact—Not much. *WDUQ-FM*, a PBS radio station in Pittsburgh, Pennsylvania, on September 15, 2010. Transcript retrieved from <http://wduqnews.blogspot.com/2010/09/severance-tax-impact-not-much.html> and archived by WebCite® at <http://www.webcitation.org/5sljzKxiV> (also was on-air audio interview)
- On-air audio interview with *WHYY-FM*, a PBS radio station in Philadelphia, Pennsylvania, on September 14, 2010.
- Gilbert, S. (2010, September 17). New research weighs pros and cons of severance tax. *WITF-FM*. Retrieved from <http://www.witf.org/news/regional-and-state/4976-new-research-weighs-pros-and-cons-of-severance-tax> and archived by WebCite® at <http://www.webcitation.org/5sxy6WcJk>
- White, C. Will gas tax mean more money for Pennsylvania? Researchers say no. *Centre Daily Times*. Retrieved from <http://www.centredaily.com/2010/09/19/2217896/will-gas-tax-mean-more-money-for.html> and archived by WebCite® at <http://www.webcitation.org/5srQmiDOg>
- Pipenberg, N. (2010, September 16). Tax could hurt gas industry, help economy. *The Daily Collegian*. Retrieved from [http://www.collegian.psu.edu/archive/2010/09/16/post\\_181.aspx](http://www.collegian.psu.edu/archive/2010/09/16/post_181.aspx) and archived by WebCite® at <http://www.webcitation.org/5sn7gNQ0R>
- Penn State Research Institute Issues Report on Impact of Natural Gas Severance Tax on State. (2010, September 15). *Tax Analysts*. Retrieved from <http://services.taxanalysts.com/taxbase/tbnews.nsf/Go?OpenAgent&2010+STT+178-26> and archived by WebCite® at <http://www.webcitation.org/5slOHvSdO>
- Barnes, T. (2010, September 14). Marcellus Shale gas tax still faces significant hurdles: State legislators also up against Oct. 1 deadline. *Pittsburgh Post-Gazette*. Retrieved from <http://www.post-gazette.com/pg/10257/1087371-113.stm?cmpid=localstate.xml> and archived by WebCite® at <http://www.webcitation.org/5sjmTb8sk>
- Pluses, minuses seen with gas levy. (2010, September 14). *The Times Leader* (also in *The Dallas Post* and *The Pittston Dispatch*). Retrieved from [http://www.timesleader.com/news/Pluses\\_\\_minuses\\_seen\\_with\\_gas\\_levy\\_09-13-2010.html](http://www.timesleader.com/news/Pluses__minuses_seen_with_gas_levy_09-13-2010.html) and archived by WebCite® at <http://www.webcitation.org/5sjmg3ACC>
- Briem, C. (2010, September 14). More Marcellus. *Null Space*. Retrieved from <http://nullspace2.blogspot.com/2010/09/marcellus.html> and archived by WebCite® at <http://www.webcitation.org/5sjmtBbF>
- Penn State report on natural gas industry in PA. (2010, September 14). *Above Average Jane*. Retrieved from <http://aboveavgiane.blogspot.com/2010/09/penn-state-report-on-natural-gas.html> and <http://www.webcitation.org/5sjoig7ov>
- Donlin, P. (2010, September 15). Lawmakers considering gas severance tax options. *Sun-Gazette* (Williamsport, Pennsylvania). Retrieved from <http://www.sungazette.com/page/content.detail/id/553670/Lawmakers-considering-gas-severance-tax-options.html?nav=5014> and archived by WebCite® at <http://www.webcitation.org/5slBSNjJ0>
- Report issued on severance tax (2010, September 14). *Wayne Independent*. Retrieved from <http://www.wayneindependent.com/news/x718558200/Report-issued-on-severance-tax> and archived by WebCite® at <http://www.webcitation.org/5slCgZ8cx>
- Hess, D. (2010, September 14). Penn State study: Natural gas severance tax will yield positive results for state's economy. *PA Environment Daily*. Retrieved from <http://paenvironmentdaily.blogspot.com/2010/09/penn-state-study-natural-gas-severance.html> and archived by WebCite® at <http://www.webcitation.org/5slCxLfUE>
- Was "Drilling Fact of the Day" for Penn Future (environmental advocacy group).
- Researchers release new report on possible impact of gas severance tax. (2010, September 14). Retrieved from <http://live.psu.edu/story/48417> (also, Baker and Passmore release new report on potential impact of proposed gas severance tax. Retrieved from <https://www.ed.psu.edu/educ/news/news-7-9-10/baker-passmore-gas-tax/view> and archived by WebCite® at <http://www.webcitation.org/5srR8GzMt>)
- Ferris, J. (2010, September 16). Rendell administration pushes for tax on natural gas extraction. *WFMZ-TV 69 News*. Retrieved from <http://www.wfmz.com/news/25039888/detail.html> and archived by WebCite® at <http://www.webcitation.org/5soG95QV1>
- Researchers: Gas tax pros outweigh cons. (2010, September 17). *The Lock Haven Express*. Retrieved from <http://www.lockhaven.com/page/content.detail/id/525677/Researchers--Gas-tax-pros-outweigh-cons.html?nav=5004> and archived by WebCite® at <http://www.webcitation.org/5srRt21tl>
- Impact of Marcellus Shale severance tax on the Pennsylvania economy. *Geology.com*. Retrieved from [http://geology.com/news/2010/impact-of-marcellus-shale-severance-tax-on-the-pennsylvania-economy.shtml?utm\\_source=feedburner&utm\\_medium=feed&utm\\_campaign=Feed%3A+Geologycom+%28Geology.com%29](http://geology.com/news/2010/impact-of-marcellus-shale-severance-tax-on-the-pennsylvania-economy.shtml?utm_source=feedburner&utm_medium=feed&utm_campaign=Feed%3A+Geologycom+%28Geology.com%29) and archived by WebCite® at <http://www.webcitation.org/5suQdEHKj>
- General Assembly must meet commitment to pass severance tax for environmental funding. *EuroInvestor*. Retrieved from <http://www.euroinvestor.co.uk/news/story.aspx?id=11300257&bw=20100921006943> and archived by WebCite® at <http://www.webcitation.org/5sxqUQqSe>
- New PSU study says severance tax would produce net economic gain. *The Marcellus Shale Examiner: The impacts of drilling*. Retrieved from <http://enews.state.pa.us/q/nwhO3BkqC3XGRV2ibIiaHTsjAvDhZULb6snzJ30tOL294GUQCLaHBnoyV> and archived by WebCite® at <http://www.webcitation.org/5szYtgzVO>
- Gas tax in Pennsylvania will have minimal impact on state's economy. (2010, September 22). *Oil & Gas Journal*. Retrieved from [http://www.ogj.com/index/article-display/2052190449/articles/oil-gas-financial-journal/unconventional/marcellus-shale/gas-tax\\_in\\_pennsylvania.html](http://www.ogj.com/index/article-display/2052190449/articles/oil-gas-financial-journal/unconventional/marcellus-shale/gas-tax_in_pennsylvania.html) and archived by WebCite® at <http://www.webcitation.org/5t4Heoo6L>
- Brooks, A. (2010, September 28). Marcellus Shale: Good news critique. *Musings from the Oil Patch*. Retrieved from <http://www.energy-musings.com/node/242> and archived by WebCite® at <http://www.webcitation.org/5t5OHlppm>

- Muracca, F., & Zahn, T. (2010, October 5). The Marcellus Shale formation: Pennsylvania's natural gas severance tax debate. *Martindale Legal Library*. Retrieved from [http://www.martindale.com/natural-resources-law/article\\_Jones-Day\\_1160300.htm](http://www.martindale.com/natural-resources-law/article_Jones-Day_1160300.htm) and archived by WebCite® at <http://www.webcitation.org/5tRpl0ttD>

White, C. County incomes saw increase in 2009 (Interview with R.M. Baker & D.L. Passmore about U.S. Bureau of Economic Analysis release of personal income figures). *Centre Daily Times*, August 16, 2010, p. A1-A2. Archived by WebCite® at <http://www.webcitation.org/5s1gyZS3P>

Frank, W. By Walt Frank: Paper mill industry remains a big player in the Blair County economy (Interview with R.M. Baker & D.L. Passmore about their research in the paper industry). *Altoona Mirror* (Altoona, Pennsylvania), July 25, 2010. Archived by WebCite® at <http://www.webcitation.org/5rVouaLq6>; Also appeared in (Over 590 reprints of the Associated Press article as of August 9, 2010:

- Paper still big in western Pa. county. *Centre Daily Times*, August 7, 2010, Archived by WebCite® at <http://www.webcitation.org/5rqqghMwV>
- Paper manufacturing still big in Blair County. *Pittsburgh Tribune-Review*, August 8, 2010, Archived by WebCite® at <http://www.webcitation.org/5rqqsHelI>
- Paper still big in western Pa. county. *The New York Examiner*, August 7, 2010, Archived by WebCite® at <http://www.webcitation.org/5rqtEbbe6>
- Paper still big in western Pa. county. *USA Today*, August 5, 2010, Archived by WebCite® at <http://www.webcitation.org/5rqtO5ivT>
- Paper still big in western Pa. county. *Stamford Advocate* (Connecticut), August 7, 2010, Archived by WebCite® at <http://www.webcitation.org/5rqtaIiRE>
- Paper still big in western Pa. county. *Public Opinion* (Chambersburg, Pennsylvania), August 7, 2010, Archived by WebCite® at <http://www.webcitation.org/5rqt6EM7>
- Paper still big in western Pa. county. *The York Dispatch*, August 7, 2010, Archived by WebCite® at <http://www.webcitation.org/5rqtWKLbU>
- Paper still big in western Pa. county. *Product Design & Development*, August 7, 2010, Archived by WebCite® at <http://www.webcitation.org/5rqucCEEz>
- Paper still big in western Pa. county. *News Times* (Danbury, Connecticut), August 7, 2010, Archived by WebCite® at <http://www.webcitation.org/5rquovZYP>
- Paper still big in western Pa. county. *Philly.com*, Archived by WebCite® at <http://www.webcitation.org/5rqux9kRk>
- Paper still big in western Pa. county. *MSG.com* (Madison Square Garden Media), August 7, 2010, Archived by WebCite® at <http://www.webcitation.org/5rqvBDSRM>
- Paper still big in western Pa. county. *Lebanon Daily News*, August 7, 2010, Archived by WebCite® at <http://www.webcitation.org/5rqvl4aVp>
- Paper still big in Blair County. *The Daily Item* (Sunbury, Pennsylvania), August 8, 2010, Archived by WebCite® at <http://www.webcitation.org/5rrMMmNpj>
- Paper still big in western Pa. *The Interceder* (Johnsonburg, Pennsylvania), August 8, 2010
- Paper mill industry remains a big player in Blair County. *Chinese Coating Association*, August 8, 2010, Archived by WebCite® at <http://www.webcitation.org/5rsb8VGrB>

Pennsylvania is more susceptible to job offshoring (Summary of R.M. Baker, K. Jeon, & D.L. Passmore report, *Offshoring Pennsylvania jobs*):

- Sullivan, B. Interview with David Passmore about offshorability of Pennsylvania jobs. *Fox Business Network* (National cable television network), July 23, 2010, 11:45 am Eastern Daylight Time.
- *Penn State Live* at <http://live.psu.edu/story/47546>.
- Penn St. study says service jobs may be at risk, *Centre Daily Times*, on July 19, 2010, archived by WebCite® at <http://www.webcitation.org/5rLb1izsq>
- Paul, M. (2010, July 19). Audio interview with R. Baker and D. Passmore on *RadioPA News* (Hourly newscasts with emphasis on the governor's office and state capitol, and the ability to report on major breaking news across Pennsylvania).
- Interview about research on offshorability of Pennsylvania jobs. Broadcast on *Radio Pennsylvania Roundtable*, a 30-minute radio program featuring in-depth reporting on the top news stories of the week produced by Radio PA and distributed to radio stations around the Commonwealth. Aired between July 22–25, 2010.
- Appeared on web sites: [gantdaily.com](http://gantdaily.com), <http://live.psu.edu/story/47509>, [outside.in](http://outside.in), [ethiopianreview.com](http://ethiopianreview.com), [msnbc.com](http://msnbc.com), and [paontheweb.com](http://paontheweb.com). Appeared in newspapers: *The Republic* (Columbus, Indiana), *The Mercury* (Pottstown, Pennsylvania), *York Daily Record* (York, Pennsylvania), *The Philadelphia Inquirer* (Philadelphia, Pennsylvania), *Public Opinion* (Chambersburg, Pennsylvania), *Intelligencer* (Doylestown, Pennsylvania), and *The New-Times* (Danbury, Connecticut). Reported on news programs: WHP Television (Harrisburg, Pennsylvania) and WFMJ TV (Youngstown, Ohio).

Malawskey, N. Natural gas company official: Industry will stay in PA awhile (Report of speeches of R.M. Baker and D.L. Passmore about natural gas opportunities in Pennsylvania at a Chamber of

- Business and Industry of Centre County breakfast forum). *Center Daily Times*, July 1, 2010, p. B10. Archived by WebCite® at <http://www.webcitation.org/5qtUK10LK>.
- Mahon, E. New teachers tested in tough economy by job hunt: Budget cuts mean fewer positions across nation (Interview with R.M. Baker & D.L. Passmore about the job market for teachers in Pennsylvania). *Centre Daily Times*, June 27, 2010, p. A1. Archived by WebCite® at <http://www.webcitation.org/5qna22rb3>.
- Shellenbarger, S. What will be the hot jobs of 2018? (Interview with D.L. Passmore about job forecasts). *Wall Street Journal*, May 26, 2010. Archived by WebCite® at <http://www.webcitation.org/5q0u4pTEv>.
- Study shows glass industry job cuts may have far-reaching impacts (Contains summary of report by R.M. Baker, D.L. Dixon, & D.L. Passmore on the economic impact of glass container manufacturing in Clarion, Jefferson, and Clearfield counties in Pennsylvania that is available at <http://ssrn.com/abstract=1589144>). *Pennsylvania Business Central*. Retrieved from <http://www.pabusinesscentral.com/2010/04/study-shows-glass-industry-job-cuts-may-have-far-reaching-impact/> and archived by WebCite® at <http://www.webcitation.org/5p8T4reJ3>.
- Penn State study reveals growth in canning in Blair County (Contains summary of report by R.M. Baker, D.L. Dixon, & D.L. Passmore on the economic impact of fruit and vegetable canning industry that is available at <http://ssrn.com/abstract=1581304>). *Pennsylvania Business Central*, April 9, 2010, p. 5. Retrieved from <http://www.pabusinesscentral.com/2010/04/penn-state-study-reveals-growth-in-canning-in-blair-county/> and archived by WebCite® at <http://www.webcitation.org/5olnogxEg>.
- Malawskey, N. Center closing claims 165 jobs: Most of Bank of America's positions were part-time (Contains interview with Rose Baker and David Passmore about regional economic impact of the closing of a call center). *Center Daily Times* (State College, Pennsylvania). April 3, 2010, p. A1 and p. A3. (Originally appeared at <http://www.centredaily.com/2010/04/03/1891774/center-closing-claims-165-jobs.html>, and archived by WebCite® at <http://www.webcitation.org/5oi7SmghM>).
- Mahon, E. Investing in education (Contains interview with David Passmore about the regional impact of American Recovery and Reinvestment Act funds spent on education). *Centre Daily Times* (State College, Pennsylvania), March 3, 2010, p. A1 and p. A3. (Archived by WebCite® at <http://www.webcitation.org/5nxFEuoMv>).
- Malawskey, N. Minimum wage: Workers praise 10 percent increase (Interview with David Passmore about impact of minimum wage increase on Pennsylvania economy). *Centre Daily Times* (State College, Pennsylvania), July 24, 2009, p. A1 and p. A3. (Archived by WebCite® at <http://www.webcitation.org/5iaQuAoZs>).
- Weidenboerner, K. Looking to the future of powder metallurgy industry (Interview with R.M. Baker & D.L. Passmore about their report about global competitiveness of powder metallurgy). *Tri-County Sunday* (DuBois, Pennsylvania), July 19, 2009, p. 2A.
- DeStafano, J. PhillyDeals: Stimulus' downside: Rising jobless rate (Interview with R.M. Baker & D.L. Passmore about joblessness in Pennsylvania). *Philadelphia Inquirer*, July 12, 2009, p. D3.
- Kaye, M. How to polish up a once-shining metal industry in Pennsylvania, *Penn State Live*, July 7, 2009. (see <http://live.psu.edu/story/40472/>).
- Hill, M. Where the jobs aren't (Interview with R.M. Baker & D.L. Passmore about their research on occupational forecasting). 6 *ABC Action News* (Philadelphia; <http://abclocal.go.com/wpvi/story?section=news/business&id=6749313>). Also:
- *CantonRep.com* (web site of Canton, Ohio, newspaper; <http://www.cantonrep.com/business/x549597407/Where-the-jobs-will-NOT-be-in-the-years-ahead>)
  - *Argus Leader* (Sioux Falls, South Dakota; <http://www.argusleader.com/article/20090408/NEWS/904080302/1001/news>)
  - *Coshocton Tribune* (Coshocton, Ohio; <http://www.coshoctontribune.com/article/20090407/UPDATES01/90407013>)
  - *WDTN TV* (Dayton, Ohio; [http://www.wdtn.com/dpp/news/WDTN\\_Where\\_jobs\\_will\\_NOT\\_be\\_in\\_years\\_ahead](http://www.wdtn.com/dpp/news/WDTN_Where_jobs_will_NOT_be_in_years_ahead)), *The Baylor Lariat*, April 8, 2009, p. 1 & p. 4 (<http://www.baylor.edu/content/services/document.php/85477.pdf>)
- Plonko, R.B. Training students for the jobs of tomorrow (Discusses research by R.M. Baker & D.L. Passmore about forecasts of manufacturing jobs). *Pennsylvania Business Central*, April 3, 2009, p.3.

- Economic recovery tracked with new web site. *Penn State Live*, March 17, 2009. (see <http://live.psu.edu/story/38278/nw1>)
- Couloumbis, A. Recession frays Elk County's blue collar (Interview with R.M. Baker & D.L. Passmore about their research on the global competitiveness of the powdered metallurgy industry). *Philadelphia Inquirer*, March 2, 2009, p. A1; p. A12.
- Berger, C. Interview with R.M. Baker & D.L. Passmore on their research on the elimination of electricity price caps in Pennsylvania (see <http://www.personal.psu.edu/dlp/PrelimElectricity/>). *Take Note*, Aired on WPSU-FM, an NPR affiliate at Penn State, March 1, 2009. (listen to this interview at <http://davidpassmore.net/ratecap.mp3>)
- Fink, K. Researchers ask, "What's a green job?" (Interview with R.M. Baker and D.L. Passmore about the report, *Benchmark Employment in Representative Pennsylvania Green Occupations, 2005-2008*). Aired on WDUQ-FM (Pittsburgh, Pennsylvania) on February 27, 2009.
- Buckley, C. Gas well plans detailed in Monessen (Discussion of R.M. Baker & D.L. Passmore research on impact of royalty income on Pennsylvania economy). *Valley Independent*, February 25, 2009.
- Detrow, S. *Troubled auto industry could impact Pennsylvania* (Interview with R.M. Baker about two reports on Pennsylvania auto purchases and sales by Baker & D.L. Passmore). Aired on WITF-FM (Harrisburg, Pennsylvania) on December 11, 2008.
- Ciarlone, D. Testimony of David F. Ciarlone, Manager, Global Energy Services Alcoa Inc., to the Pennsylvania Public Utility Commission *En Banc* Hearing on Trends in the Wholesale Electricity Markets, November 6, 2008, broadcast on Pennsylvania Cable Network. (Discussion of R.M. Baker & D.L. Passmore research on elimination of electricity rate caps)
- Wiggins, S. Non-profits contribute to the economy, report says (Interview with R.M. Baker and D.L. Passmore). *The Daily Collegian*, November 11, 2008, p. 4.
- DaParma, R. Leaders say region should tap gas reserves' potential (includes summary of review of study by R.M. Baker & D.L. Passmore on impact of royalty income in Pennsylvania). *Pittsburgh Tribune Review*, November 7, 2008.
- Penn State study: Some nonprofits provide considerable economic power (Interview with R.M. Baker & D.L. Passmore). *Penn State Live*, October 24, 2008. (see <http://live.psu.edu/story/35558/nw1>)
- Royalties offer ripple effect. *The Patriot-News*, October 3, 2008.
- D'Amico, L.D. Shale drilling would benefit state by \$500 million annually (Use of *Economic and Workforce Brief* in article). *Patriot-News*, September 26, 2008, p. A11.
- Chief Oil & Gas reveals new drilling rig for Marcellus Shale. (Use of *Economic and Workforce Brief* prepared by R.M. Baker & D.L. Passmore in article). *Dallas Business Journal*, 25 September 2008. (see <http://WED-DallasBusJ.notlong.com>; also at [http://rigzone.com/news/article.asp?a\\_id=67079](http://rigzone.com/news/article.asp?a_id=67079), <http://www.scandoil.com/moxie-bm2/news/chief-oil-gas-welcomes-delivery-of-new-drilling-ri.shtml>, <http://www.newsholic.net/2008/09/new-drilling-system-for-marcellus-shale-to-resources-oil-and-gas/>, <http://www.nydailynews.com/topics/Marcellus+Shale>).
- Bradwell, M. Area wells produce gas, wealth (Interview with R.M. Baker & D.L. Passmore). *Observer-Reporter*, September 14, 2008.
- Penn State releases analysis of Pittsburgh Corning Corp., summer shutdown on local economy. (Interview). *The Bradford Era*, September 10, 2008. .
- Gilbert, S. *Report shows expiring rate caps will hurt PA economy* (Interview with R.M. Baker & D.L. Passmore). Aired on WITF-FM (Harrisburg, Pennsylvania) on September 8, 2008.
- Pennsylvania Department of Environmental Protection. *Daily update: Report finds spikes in electricity costs may devastate families* (News release about Penn State Institute for Research in Training & Development research report by R.M. Baker and D.L. Passmore on elimination of electrical rate caps in Pennsylvania) on September 2, 2008.
- Zimble, H. The economics of arts and crafts festivals (Interview). *Pennsylvania Business Central*, July 31, 2008, 17(15), 1; 20.
- Tressler, H. PSU Workforce Education and Development conducts analysis (Interview). *The Ridgway Record*, July 21, 2008.

- Dagan, D. Experts: Natural gas could boost PA economy (Interview). *Central Pennsylvania Business Journal*. 24 June 2008. Also on 24 June 2008 at *Penn State Live* (see <http://live.psu.edu/story/33336>), *Centre Daily Times* (p. B1 in paper edition and online at <http://www.centredaily.com/news/local/story/674266.html>), C|NET, Platts, a McGraw-Hill information service, *PAGasDrilling.com*, *Media Newswire*, *StateCollege.com*, *Breitbart.com*, *Philadelphia Examiner*, *CNBC*, *The Earth Times*, *Red Orbit*, *Reuters*, *Forbes.com*, *Boston.com*, and others (see Google search at <http://PSU-Gas-Royalty-Google.notlong.com>).
- Thomas, J. 'Devastating blow:' The sudden closure of Bolton Metals in February left employees stunned (Use of *Economic and Workforce Brief* in article). *Centre Daily Times*, May 4, 2008, p. A1. (see [http://www.personal.psu.edu/dlp/pdfs/Bolton\\_CDT\\_4May08.pdf](http://www.personal.psu.edu/dlp/pdfs/Bolton_CDT_4May08.pdf))
- Plonko, R.B. Maintaining global competitiveness: Why Pennsylvania needs to develop tomorrow's skilled workforce today (Interview). *Pennsylvania Business Central*, March 28, 2008, p.8, p.10, p.14.
- Plonko, R.B. The Pennsylvania plastics initiative: Meeting technology, training needs of state's plastics manufacturers and entrepreneurs (Interview). *Pennsylvania Business Central*, March 28, 2008, p.8, p.14.
- Fontaine, T. Airport effects [*sic*] this economy more than most (Interview). *Beaver County Times*, January 19, 2008.
- Zimble, H. 2008: A period of great uncertainty (Interview). *Pennsylvania Business Central*, January 18, 2008, p. 6.
- Schreiber, M. (Interview). Boom in oil and gas drilling paying big dividends across McKean County. *Bradford Era*, December 3, 2007. (see [http://www.ed.psu.edu/educ/news/media-coverage-folder/news/media-coverage-folder/BradfordEra\\_4Dec07.pdf](http://www.ed.psu.edu/educ/news/media-coverage-folder/news/media-coverage-folder/BradfordEra_4Dec07.pdf))
- Zimble, H. Despite "pork" criticism, I-99 seen as major economic boost ((Interview). *Pennsylvania Business Central*, August 17, 2007, p.6. (see [http://www.personal.psu.edu/dlp/pdfs/Pennsylvania\\_Bus\\_Centr\\_I-99\\_17Aug07.pdf](http://www.personal.psu.edu/dlp/pdfs/Pennsylvania_Bus_Centr_I-99_17Aug07.pdf))
- Gilbert, S. Economic role of midstate military installations highlighted in new study (Interview). Broadcast on WITF-FM public radio, August 1, 2007.
- Swain, J. 2007 *Symposium interview: Rose Baker and David Passmore on educational uses of social bookmarking* (Interview). June 2007. To launch an iTunes version of this interview, navigate to <http://SocialCompItunes.notlong.com>.
- Rosman, K. The rise of MeMail (Interview). *Wall Street Journal*, May 18, 2007, p. W1; p. W9.
- Gilbert, S. New report shows ripple effect of Hershey job cuts in the midstate (Interview). Broadcast on WITF-FM public radio, May 15, 2007. (See <http://tinyurl.com/2pu7hl> for summary and audio clip; see also, Ripple effect of job loss in confectionery industry examined in Penn State report on Penn State Live at <http://davidpassmore.net/documents/11May2007Hershey.pdf>)
- Piatek, S. Freightcar exit would cost entire region (Interview). *The Tribute-Democrat*, January 24, 2007, p. A1.
- Management Development Programs have multi-million dollar impact on state economy* (Interview). on Penn State Live at <http://davidpassmore.net/documents/21Nov2006MDEV.pdf>.
- Williams, D. Back to basics: Finding skilled workers (Interview with David Passmore). *Area Development*, August 2006. (see [http://www.areadevelopment.com/Archives/06august/6\\_back.html](http://www.areadevelopment.com/Archives/06august/6_back.html))
- Janzen, M. Symposium for teaching and learning with technology kindles ongoing dialogue (Interview). *ITS Academic Computing Newsletter*, Summer 2006, pp. 3-3.
- Stopper, W. 2006 HRPS thought leader meeting: the idea futures market. *Entrepreneur Connect*, June 2006.
- Wayne, S. Idea futures market makes HR decisions easier (Interview). *Connections*, June 2006.
- Forecasting the future (Interview). *Outreach: Faculty Scholarship in the Community*, Spring 2006, p. 29.
- Robinson, T. Creating a culture of learning for adults (Interview). *The Greentree Gazette*, January 2006, p. 50; p. 52.
- Online communities: The death of TRDEV-L (Interview). *Training*, December, 2000, p. 28.
- Is anyone really there? (Interview) *Sales and Marketing Management*, October 2000.

- Can you keep learners online? (Interview). *Training*, March, 2000, pp. 64–75.
- Lack of skilled workers threatens economies. *Central Penn Business Journal*, October 24, 1997. Retrieved from <http://www.centralpennbusiness.com/article/19971024/CPBJ01/310249997/0/> and archived by WebCite® at <http://www.webcitation.org/6CpfwR0GZ>
- Skilled worker supply shapes manufacturing destiny (Interview). *Eastern Pennsylvania Business Journal*, September 15, 1997, p. 9.
- Toolmakers: Craftsmen in increasingly short supply (Interview). *The Cincinnati Enquirer*, July 23, 1997, p. 1.
- The costs of ignorance (article about research report, *Community Costs of Technical Skills Deficits: A Pennsylvania Case Study*). *Training*, April, 1997, p. 12.
- Job Hunting? Just point and click (Interview). *Technical & Skills Training*, January, 1997, p. 7.
- TRDEV–L tops 4,000 subscribers (Interview). *Technical & Skills Training*, January, 1997, p. 8.
- Company disputes PSU study (Interview). *Altoona Mirror*, January 12, 1997, p. A1–A2.
- The dearth of skilled workers (Interview). *Pennsylvania Business Central*, December 20, 1996, p. 1; p. 4.
- USEE all of me: A communiqué from the training zone (Interview). *Training*, January 1996, p. 10.
- How trainers can make the most of the Internet (Interview). *Nexus*, Winter 1996, pp. 2–3.
- How the Internet's influence will change the way you deliver training (Interview). *Technology for Learning*, 1996, 2(7). 1–2.
- Internet surfing for T&D (Interview). *Human Resource Executive Magazine*, February 1995, p. 29.
- Web surfing (Interview). *Training*, December, 1995, p. 66.
- HR newcomers are using the Internet to hold discussions with their peers (Interview). *Personnel Journal*, April, 1995, p. 11.
- Pennsylvania job gains predicted in health care, publishing (Interview). *Centre Daily Times*, February 21, 1995, p. 6B.
- Outlook for the state's economy: Chinks in the competitive armor (Interview). *Pennsylvania Business Central*, February 3, 1995, p. 1; p. 7.
- Mathews, E. Odds and ends (Interview). *Erie Times-News*, January 29, 1995, p. 3.
- Interview on WPSX–TV program, *Take Note*, about research on history and prospects for Pennsylvania manufacturing, first broadcast on January 23, 1995, and rebroadcast on Pennsylvania Public Television during 1995.
- Interview about status and forecast for the Pennsylvania economy on *Two–Way Talk Radio*, a live call–in program on WRTA–AM radio, Altoona, Pennsylvania, January 11, 1995.
- Baseball strike study: Economy hurt little (Interview). *York Daily Record*, December 7, 1994, p. A1.
- No baseball? No problem (Interview). *Philadelphia Inquirer*, November 30, 1994, business section.
- Trainers network on the Internet (Interview). *Training & Development*, 1994, 48(8), 35–37.
- Filipczak, B. (1994, December). Trainers on the net (Interview). *Training*, pp. 42–51.
- Hazelton, L. (1994, December 1). Pennsylvania will lose 103k manufacturing jobs, study says (Interview). *Philadelphia Business Journal*, p. 23.
- Similar job losses forecasted for manufacturing in 1990s (Interview). *Northeast Pennsylvania Business Journal*, November, 1994, p.1.
- McKay, J. (Interview). Pennsylvania's manufacturing sector can expect to lose another 103,000 jobs. *Pittsburgh Post–Gazette*, October 30, 1994, p. C1.
- MacKinnon, J. Cosmetologists face thin job market (Interview). *Centre Daily Times*, October 22, 1994, p. A1.
- Coveleskie, V. State likely to lose 103,000 jobs (Interview). *The Scranton Times*, October 22, 1994, p. 10.
- Shogol, M. Not a pretty picture (Interview). *Philadelphia Inquirer Magazine*, October 18, 1994.

Pennsylvania faces cosmetologist glut (Interview). *Pittsburgh Post-Gazette*, October 16, 1994, p. C1.

Interview on Pennsylvania Public Television program, *Taking Note*, about research on the economic well-being of American Indians, first broadcast on June 5, 1991.

Interview on Pennsylvania Public Television program, *Taking Note*, about research on childhood injuries, first broadcast on February 14, 1991.

Interview on Pennsylvania Public Television program, *Taking Note*, about research on workforce literacy, first broadcast on November 30, 1990.

Participation in listener call-in segment of *Wendy & Kevin Show* on WRSC-AM radio, State College, Pennsylvania, November 29, 1990, discussion of workforce literacy issues.

#### ARTICLES WRITTEN FOR POPULAR PRESS

With R. M. Baker. (2014, September 21). OLLI: Program outlines facts of the life of Pennsylvania's economy. *Centre Daily Times*. Retrieved from

With R.M. Baker. Students connect county, world (op-ed). *Centre Daily Times*, August 10, 2011, p. A10. Retrieved from <http://www.centredaily.com/2011/08/10/2873698/students-connect-county-world.html> and archived by WebCite® at <http://www.webcitation.org/60r6ltyzr>

With R. M. Baker

*Economic opportunity for Berks County in Liberty Bell Motorsports Park & Campground*. May 22, 2011. Retrieved from [http://libertybellmp.com/index\\_htm\\_files/PSU%20Economic%20Impact%20Study.pdf](http://libertybellmp.com/index_htm_files/PSU%20Economic%20Impact%20Study.pdf) and archived by WebCite® at <http://www.webcitation.org/5z7IXmUun>

With R.M. Baker. *Evaluating fiscal impacts: The example of an oil and gas severance tax*. (Presentations at Regional Economic Models Seminar, "Evaluating Fiscal Impacts: the Example of an Oil and Gas Severance Tax," Harrisburg, Pennsylvania, May 18, 2011).. Television broadcast on Pennsylvania Cable Network, May 18, 2011, 8:30 pm, and May 19, 2011, 2:00 pm.

With Baker, R.M. There's growth in Centre County industries, if you know where to look. *Centre Daily Times*, April 13, 2011, p. C12. Retrieved from <http://www.centredaily.com/2011/04/03/2623170/theres-growth-if-you-know-where.html> and archived by WebCite® at <http://www.webcitation.org/5xh1AHzSN>

With R.M. Baker. The great Pennsylvania severance tax pickle (Op-Ed). *The Lock Haven Express*, October 21, 2010. Retrieved from <http://www.lockhaven.com/page/content.detail/id/526574/The-great-Pennsylvania-severance-tax-pickle.html?nav=5003> and archived by WebCite® at <http://www.webcitation.org/5tgAHCCcG>

With R.M. Baker. Powdered metallurgy industry global competitiveness study. *Center for Innovative Sintered Products*, Winter 2008, p. 2.

With R.M. Baker. Mojo in the Poconos: How the region can become more competitive (Op-Ed). *Pocono Business Journal*, October 2008, 4(10), p.3.

With R.M. Baker. Plan now to capture opportunities: Communities should prepare now for I-99 opportunities (Op-Ed). *Altoona Mirror*, August 5, 2007, p. A6. (see [http://www.personal.psu.edu/dlp/pdfs/Baker\\_Passmore\\_altmir\\_5Aug07.pdf](http://www.personal.psu.edu/dlp/pdfs/Baker_Passmore_altmir_5Aug07.pdf))

It's a sad guess what happened to Big Easy's street people. *The Morning Call* (Allentown, Pennsylvania), September 7, 2005, p. A11. (see [http://articles.mcall.com/2005-09-07/opinion/3617633\\_1\\_lagniappe-new-orleans-bourbon-street](http://articles.mcall.com/2005-09-07/opinion/3617633_1_lagniappe-new-orleans-bourbon-street))

Machinist shortage is potential ray of hope for Corning workers (Op-Ed). *Centre Daily Times*, May 10, 2003, p. A6.

Vehicle emissions tests: Cleaner air, at a price (Op-Ed). *Centre Daily Times*, January 18, 2003, p. A6.

With C. Pellock. Altoona should use caution when looking at baseball deal (guest editorial), *Altoona Mirror*, February 11, 1996, p. B7.

Has the baseball strike hurt the State's economy (Op-Ed). *Philadelphia Inquirer*, February 6, 1995, p. A7.



- State must reverse trends in manufacturing decline (Op-Ed). *The Patriot-News*, (Harrisburg, Pennsylvania), November 7, 1994, p. A9. The right equipment can make childhood safer (Op-Ed). *Philadelphia Daily News*, (Philadelphia, Pennsylvania), August, 1990, Op-Ed page.
- McDade, P. Passmore protects PSU's human research subjects (Interview). *Centre Daily Times* (State College, Pennsylvania), November 15, 1987, p. B1.
- Beelman, M. S. Study details hand injuries among coal miners (Interview). *Philadelphia Inquirer*, August 26, 1986, p. B7.
- Can the tide turn for vocational education? (Op-Ed) *Post-Gazette* (Pittsburgh, Pennsylvania), February 3, 1986, p. 7.
- Barker, J. Electricity tied to coal mine accidents (Interview). *Philadelphia Inquirer*, October 28, 1984, p. C2.
- Accidents occur in all mine areas, research shows (Interview). *Lexington Herald-Leader*, April 5, 1984, p.C8.
- With J.D. Bennett. Looking into coal mine accidents (Op-Ed). *Post-Gazette* (Pittsburgh, Pennsylvania), June 24, 1983, p. 7A.
- Some work needed to make computers valid in schools (Op-Ed). *Centre Daily Times* (State College, Pennsylvania), April 17, 1983, editorial page.
- Interview on consequences of unemployment on Pennsylvania Public Television program, *Weather World*, first broadcast on June 30, 1983.
- Computers in the classroom: Good or bad (Op-Ed). *Grit* (national newspaper), May 1, 1983, p. 9-A.
- Unemployment takes its toll physically, mentally, economically (Op-Ed). *The Patriot* (Harrisburg, Pennsylvania), September 23, 1982, p. A5.
- Unemployment really hurts (Op-Ed). *Grit* (national newspaper), September 26, 1982.
- Employed hurt by unemployed (Op-Ed). *Times-News* (Leighton, Pennsylvania), September 28, 1982.
- Joblessness serious ailment (Op-Ed). *Enterprise* (Berwick, Pennsylvania), September 27, 1982
- Unemployment hurts the nation (Op-Ed). *Centre Daily Times* (State College, Pennsylvania), September 26, 1982
- Unemployment is no trivial thing (Op-Ed). *Niagara Gazette* (Niagara Falls, New York), November 7, 1982, p. 7A).
- It makes sense to keep bilingual vocational education (Op-Ed). *Call-Chronicle* (Allentown, Pennsylvania), Sunday, April 4, 1982, p. B-21.
- Youth without work: A slow cancer (Op-Ed). *The Bulletin* (Philadelphia Sunday newspaper), August 31, 1980, p. 5. (Reprinted in *Center Update*, 1981, 2(2), 1).

## NON-REFEREED PUBLICATIONS &amp; REPORTS

- With Nicholas, J. M., Chae, C., Hussain, M., & Zulkifli, R. School-to-work revisited: Did work-based learning experiences improve prospects for students in career and technical Education? *Social Science Research Network*, 2015. [http://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=2703854](http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2703854)
- With R. M. Baker & T. Kelsey. *Assessing potential regional economic & demographic impacts of base realignment closure: A background report*. University Park, Pennsylvania: Institute for Research in Training and Development, March 2015.
- With R. M. Baker. *Monetizing MOOCs*. University Park, Pennsylvania: Institute for Research in Training and Development, October 2013.
- With Assessment Committee, The Penn State Commission for Women. *Status of women at Penn State*. University Park, Pennsylvania: Penn State University, Office for Educational Equity, February 2013. (see <http://equity.psu.edu/cfw/docs/cfw-status-report-2001-2011>)
- With R. M. Baker & P. Peterson. *Economic impact of breaker and shell egg production in Pennsylvania*. University Park, Pennsylvania: Institute for Research in Training & Development, September 2012. (see <http://goo.gl/Tsg6s> and <http://goo.gl/OOjBM>)

- With Rosenfeld, S., Broun, D., Beacham, C., Bryant, J., Archer-Rosenthal, D., Baker, R., Riley, D., & Liston, C. (2011). *Energy workforce trends and training requirements*. Washington, D.C.: Appalachian Regional Commission.
- With Rosenfeld, S., Broun, D., Beacham, C., Bryant, J., Archer-Rosenthal, D., Baker, R., Riley, D., & Liston, C. (2011). *Green schools and sustainability in Appalachia: Case studies in rural practice*. Washington, D.C.: Appalachian Regional Commission. (see [http://www.arc.gov/assets/research\\_reports/GreenSchoolsCaseStudies.pdf](http://www.arc.gov/assets/research_reports/GreenSchoolsCaseStudies.pdf))
- With R. M. Baker. *Potential regional and economic impacts of Liberty Bell Motorsports Park and Campground*. University Park, Pennsylvania: Institute for Research in Training & Development, May 2011. (see <http://ssrn.com/abstract=1831492>)
- With R.M. Baker. *Potential Pennsylvania economic impact of four natural gas severance tax/fee proposals*. University Park, Pennsylvania: Institute for Research in Training & Development, May 2010. (see <http://ssrn.com/abstract=1846543>)
- With R. M. Baker & D. Dixon. *Blair County's competitive economic advantage*. University Park, Pennsylvania: Institute for Research in Training & Development, September 2010. (see <http://ssrn.com/abstract=1677927>)
- With R.M. Baker. *Benchmarks for assessing the potential impact of a natural gas severance tax on the Pennsylvania economy*. University Park, Pennsylvania: Institute for Research in Training & Development, September 2010.
- With R.M. Baker & K. Jeon. *Susceptibility of Pennsylvania service-producing occupations to offshoring*. University Park, Pennsylvania: Institute for Research in Training & Development, June 2010.
- With R.M. Baker & D.L. Dixon. *A review of The Pennsylvania Green Jobs Report*. University Park, Pennsylvania: Institute for Research in Training & Development, October 2010.
- With R.M. Baker. *Demographic trends and market segments for nursing and rehabilitation in Cumberland County, Pennsylvania*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, July 2010. (see <http://ssrn.com/abstract=1633927>)
- With K. Jeon & A. Kern. *Employment status by race, gender, high school curriculum, & special need classification among U.S. youth*. University Park, Pennsylvania: Institute for Research in Training & Development. (see <http://ssrn.com/abstract=1628154>)
- With R.M. Baker. *Transition into health care careers*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, November 2009.
- With R.M. Baker. *Global competitiveness of powdered metallurgy part manufacturing in north central Pennsylvania*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, July 2009. (see <http://ssrn.com/abstract=142626>)
- With R.M. Baker. *Benchmark employment in representative Pennsylvania green occupations, 2005–2008*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, January 2009.
- With R.M. Baker. *Measuring the economic impact of youth in transition: Linking information from education, training, and social programs to unemployment insurance records*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, November 2008. (available at the Social Science Research Network: <http://ssrn.com/abstract=1406557>)
- With R.M. Baker. *Forecasted economic impact of the operation of Cheswicke Towne Centre in East Hempfield, Pennsylvania*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, October 2008.
- With Baker, R.M. *Economic impact of industries including the Pennsylvania Association for the Blind*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, October 2008.
- With R.M. Baker. *Benchmarks for the plastics industry in Pennsylvania, the United States, and selected global markets*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, June 2008.

- With R.M. Baker. *Forecast of the potential impact of increased royalty income on the Pennsylvania economy, 2008–2011*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, June 2008.
- With R.M. Baker. *Effect of visitor spending in Pike County*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, April 2008.
- With R.M. Baker. *Powdered metals in north central Pennsylvania: A précis for analysis of the global competitive position of powdered metallurgy part manufacturing in the North Central Workforce Investment Area of Pennsylvania*. University Park, Pennsylvania: Penn State Institute for Research in Training & Development, February 2008.
- With R.M. Baker. *Forecast of economic, population, and employment consequences of the Closing of the Willow Grove Naval Air Station Joint Reserve Base*. University Park, Pennsylvania: Penn State University, Institute for Research in Training & Development, January 2008.
- With R.M. Baker & M. Loiacono. *Benchmarking the economic impact of construction of electric power transmission lines in selected eastern Pennsylvania counties*. University Park, Pennsylvania: Institute for Research in Training & Development, January 2008.
- With R.M. Baker & S. Ward. *Performance assessment of frontline workers and managers of Femco Machine*. University Park, Pennsylvania: Penn State University, Institute for Research in Training & Development, November, 2007.
- With R.M. Baker & S. Ward. *Education & training opportunities in the finance and insurance sector in northeast Pennsylvania*. University Park, Pennsylvania: Penn State University, Institute for Research in Training & Development, October, 2007.
- With R.M. Baker. *Current and anticipated labor market for long-term care in Bucks and Montgomery counties*. University Park, Pennsylvania: Penn State University, Institute for Research in Training & Development, September 2007.
- With R.M. Baker & S. Ward. *Performance assessments for direct care workers and managers*. University Park, Pennsylvania: Penn State University, Institute for Research in Training & Development, September, 2007.
- With R.M. Baker. *Forecast of employment and job openings in Pennsylvania plastics manufacturing, 2004–2017*. University Park, Pennsylvania: Penn State University, Institute for Research in Training & Development, September 2007.
- With R.M. Baker & W. E. Donahue. *Client reports of the impact of customized contract training, 2002–2006*. University Park, Pennsylvania: The Pennsylvania State University, Penn State Outreach, Management Development Programs and Services, September, 2006.
- With R.M. Baker. *Industry cluster analysis and forecasting*. University Park, Pennsylvania: The Pennsylvania State University, Penn State Outreach, Management Development Programs and Services, July, 2005.
- With R.M. Baker, *A précis for industry cluster analysis and forecasting: Technical summary and capabilities*. University Park, Pennsylvania: The Pennsylvania State University, Penn State Outreach, Management Development Programs and Services, July, 2005.
- Effects of landfills on local social and economic bases*. Report for Citizens for the Environment, Dauphin County, Pennsylvania, April, 2001.
- Economic impact of landfills*, Report for Old Forge, Pennsylvania, city government, August, 2000.
- With J. Wall & M. Harvey. *Employment outlook for precision metalworkers in Pennsylvania, 1995–2005*. University Park, Pennsylvania: National Manufacturing Skills Standards Project, College of Education, The Pennsylvania State University, July 1998.
- Pennsylvania's Link-to-Learn challenge: How two teachers are preparing to reach 10,000 students via the Internet. *Technology for Learning*, November, 1996, p. 9.
- A "boy scout" strategy for economic development. *Dimensions*, Summer, 1997, pp. 1–3.
- With L.E. Goss & J.K. Hoeveler. *The Pennsylvania ski industry, 1995–1996: Its contribution to the state's economy*. White Haven, Pennsylvania: Pennsylvania Ski Area Association, 1996.

- Pennsylvania's link-to-learn challenge: How two teachers are preparing to reach 10,000 students via the Internet. *Technology for Learning*, 2(11), 1996.
- Economics of the Pennsylvania highway construction sector*. University Park, Pennsylvania: The Pennsylvania State University, Smeal College of Business Administration, Center for Regional Business Analysis, 1995.
- CBI adoption decision tools: Making sound development and implementation decisions based on learning and economic principles*. St. Paul, Minnesota: Swanson & Associates, 1995.
- The consequences of unemployment*. Harrisburg, Pennsylvania: Commonwealth of Pennsylvania, Office of Attorney General, 1995.
- Evaluation of an economic analysis of unemployment in the Pennsylvania construction industry*. Harrisburg, Pennsylvania: Commonwealth of Pennsylvania, Office of Attorney General, 1995.
- With E. Askov. *Benchmarking progress in literacy skills in Pennsylvania*. University Park, Pennsylvania, Institute for the Study of Adult Literacy, 1995.
- With C. Pellock & G. Wang. Cost of taking Pennsylvania out of the old ball game. *Dimensions*, Spring 1995, pp. 2; 4.
- With C. Pellock & G. Wang. *Ballpark estimates: Impact of foregone gate receipts during the 1994 baseball strike on the Pennsylvania economy*. University Park, Pennsylvania: The Pennsylvania State University, Smeal College of Business Administration, Center for Regional Business Analysis, 1995.
- Outlook for the 1995 Pennsylvania economy*. University Park, Pennsylvania: The Pennsylvania State University, Smeal College of Business Administration, Center for Regional Business Analysis, 1995.
- Economics of printing and publishing in Pennsylvania: Evidence from the Pennsylvania Economic Model*. University Park, Pennsylvania: The Pennsylvania State University, Smeal College of Business Administration, Center for Regional Business Analysis, 1995.
- The statewide impact of higher education on the Pennsylvania economy*. University Park, Pennsylvania: The Pennsylvania State University, Smeal College of Business Administration, Center for Regional Business Analysis, 1995.
- With G. Wang. *Requirements for health care and service workers in Pennsylvania under alternate patterns of national spending in health-related industries*. University Park, Pennsylvania: The Pennsylvania State University, Smeal College of Business Administration, Center for Regional Business Analysis, 1994.
- With M. Butler, N. Palladino, & C. Sanogo. *Pennsylvania employment outlook for cosmetologists: Implications for training*. University Park, Pennsylvania: The Pennsylvania State University, Smeal College of Business Administration, Center for Regional Business Analysis, 1995.
- With J. Nelson & W. Anderson. *The environment vs. jobs dilemma: A simulation study of the low-emissions vehicles program*. University Park, Pennsylvania: The Pennsylvania State University, Smeal College of Business Administration, Center for Regional Business Analysis, 1994.
- Performance and competitiveness of the Pennsylvania economy*. University Park, Pennsylvania: The Pennsylvania State University, Smeal College of Business Administration, Center for Regional Business Analysis, 1994.
- With W. Anderson. *Regional policy outcomes of educational reform*. University Park, Pennsylvania: The Pennsylvania State University, Smeal College of Business Administration, Center for Regional Business Analysis, 1994.
- Spiritual pepsiality (Guest Editorial). *Completely Different*, 1994, 6(1), 2.
- With W. Anderson. *Assessing Pennsylvania's competitive edge: A retrospective and prospective view of the manufacturing sector* (Pennsylvania Economic Study No. 9). University Park, Pennsylvania: The Pennsylvania State University, Smeal College of Business Administration, Center for Regional Business Analysis, 1994.
- The big book: Round II of the Woolrich Climate Survey* (Woolrich Continuous Improvement Training Project Report No. 5). Williamsport, Pennsylvania: The Pennsylvania State University, Williamsport Center for Continuing Education, 1993.

- With W. Anderson. *Economic impact of proposed Pennsylvania vehicle emissions testing program*. University Park, Pennsylvania: The Pennsylvania State University, Smeal College of Business Administration, Center for Regional Business Analysis, 1993.
- With W. Anderson. *Economic structure of central and northern Pennsylvania and its sensitivity to federal defense expenditures*. University Park, Pennsylvania: Ben Franklin Technology Center of Central and Northern Pennsylvania, Inc., 1993.
- With C.M. Sleezer. *Context for training opportunities at Woolrich* (Woolrich Continuous Improvement Training Project Report No. 1). Williamsport, Pennsylvania: The Pennsylvania State University, Williamsport Center for Continuing Education, 1992.
- Round I of the Woolrich Climate Survey: Design, administration, and findings* (Woolrich Continuous Improvement Training Project Report No. 2). Williamsport, Pennsylvania: The Pennsylvania State University, Williamsport Center for Continuing Education, 1992.
- With B. Ochs. *Findings for Woolrich departments/units from round I of the Woolrich Climate Survey* (Woolrich Continuous Improvement Training Project Report No. 3). Williamsport, Pennsylvania: The Pennsylvania State University, Williamsport Center for Continuing Education, 1992.
- Quality and variation of responses to round I of the Woolrich Climate Survey* (Woolrich Continuous Improvement Training Project Report No. 4). Williamsport, Pennsylvania: The Pennsylvania State University, Williamsport Center for Continuing Education, 1992.
- Training for injury control among underground coal miners: Implications from analysis of injury hosts, agents, vectors, and vehicles* (Working Paper No. 16). Boston, Massachusetts: Harvard University, School of Public Health, Injury Prevention Research Center, 1989.
- With S. Gallagher & B. Guyer. *Injuries at school: Epidemiology and prevention* (Working Paper No. 17). Boston, Massachusetts: Harvard University, School of Public Health, Injury Prevention Research Center, 1989.
- Work-limiting injuries among U.S. teenagers and young adults: The role of personal, social, and economic factors* (Working Paper No. 18). Boston, Massachusetts: Harvard University, School of Public Health, Injury Prevention Research Center, 1989.
- Adolescent injuries in 14 Massachusetts communities* (Working Paper No. 19). Boston, Massachusetts: Harvard University, School of Public Health, Injury Prevention Research Center, 1989.
- Injuries at work among Massachusetts children and adolescents* (Working Paper No. 20). Boston, Massachusetts: Harvard University, School of Public Health, Injury Prevention Research Center, 1989.
- With M.C. Radomsky & R.L. Frantz. *Effective mandatory training programs through on-site safety services: A development of the prototype mine extension service* (Final Report for the Mine Safety and Health Administration Special Emphasis Program). University Park, Pennsylvania: The Pennsylvania State University, College of Earth and Mineral Sciences, Mineral Engineering Section, 1988.
- Peer review and consultation in postsecondary instruction: A reaction to Carroll and Goldberg. *Forum*, 1987, 13(7), 1–7.
- With G. Geroy. *Assessing needs for cogeneration technology in Schuylkill County* (Project No. 2). University Park, Pennsylvania: The Pennsylvania State University, College of Education, Institute for Research in Training and Development, 1987. (see <http://www.eric.ed.gov/PDFS/ED309314.pdf>)
- “Knowing how” and “knowing what”: Implications for the reflective practitioner in education. In E. Short (Ed.), *The reflective practitioner: Advancing practical competence among curriculum and instruction professionals* (pp. 5–6). University Park, Pennsylvania: The Pennsylvania State University, College of Education, Division of Curriculum and Instruction, 1987.
- With J.D. Bennett. Multinomial logit analysis of severity of injuries in U.S. underground bituminous coal mines. *Society of Mining Engineers/American Institute of Mining, Metallurgical, and Petroleum Engineers Preprint Number 84–94*, 1984.
- Influence of recent developments in computer technology for professional development in vocational education* (Final report for Contract No. 83–2813). Harrisburg, Pennsylvania: Pennsylvania Department of Education, Bureau of Vocational Education, 1983. (see <http://www.eric.ed.gov/PDFS/ED235312.pdf>)

- With J.D. Bennett. Implications of coal mine injuries. *Earth and Mineral Sciences*, 1983, 52(4), 39; 43–45.
- Consequences of youth joblessness. *Forum*, 1982, 10(2), 7–11.
- With J. Wircenski, B. Emshoff, M. Hillis, M. Kulahci, & U. Ay. *School-to-work transition skills for disadvantaged youth*. Harrisburg, Pennsylvania: Pennsylvania Department of Education, Bureau of Vocational Education, 1981.
- With M. Marron. *Hourly earnings analysis for medical record technicians* (Report No. 34). Rochester, New York: National Technical Institute for the Deaf, 1981.
- With J. Wircenski, B. Emshoff, U. Ay, & M. Kulahci. *Handbook for implementation of school-to-work transition skills*. University Park, Pennsylvania: The Pennsylvania State University, College of Education, Division of Occupational and Vocational Studies, 1981.
- Barriers to youth employment* (Final report for contract no. 83–0804). Harrisburg, Pennsylvania: Pennsylvania Department of Education, Bureau of Research and Evaluation, Research Coordinating Unit for Vocational Education, 1981, ERIC Document Reproduction Service Number ED 218 503. (see <http://www.eric.ed.gov/PDFS/ED218503.pdf>)
- Characteristics of unemployed youth*. (Final report for contract no. 83–9820). Harrisburg, Pennsylvania: Pennsylvania Department of Education, Bureau of Research and Evaluation, Research Coordinating Unit for Vocational Education, 1980. (see <http://www.eric.ed.gov/PDFS/ED190858.pdf>)
- Vocational implications of deafness*. A background paper prepared for the law firm of Welch, Streb, Porter, Meyer and Wesley, Geneseo, New York, 1979.
- Model employment and training program designs for hard-to-reach and handicapped youth funded under the Youth Employment and Demonstration Programs Act of 1977*. Background paper prepared for Youthwork, Inc., Washington, DC, March, 1979.
- With M. Marron, F. Hamil, & M. Fowler. *National employment outlook for medical record technicians* (Report No. 29). Rochester, New York: National Technical Institute for the Deaf, 1979.
- With W. Welsh. *A comparison of selected labor force and educational activities of graduates of various educational programs at the National Technical Institute for the Deaf*. Rochester, New York: National Technical Institute for the Deaf, 1979.
- With D. Johnson & L. Twyman. *Continuing education for adult deaf: The 1977 Rochester, New York, needs assessment and questionnaire*. Rochester, New York: National Technical Institute for the Deaf, Office of Educational Extension, 1978.
- With M. Marron. *Expected employment outcomes from educational programs managed by the National Technical Institute for the Deaf*. Rochester, New York: National Technical Institute for the Deaf, 1978.
- With J. Clarcq & A.J. Finks. *Career enhancement*. Rochester, New York: National Technical Institute for the Deaf, 1978.
- Occupational research. *Focus*, 1977, 2, 19.
- With K. Martin. *National employment outlook in bookkeeping occupations*. Rochester, New York: National Technical Institute for the Deaf, 1977.
- With K. Martin. *A projection of detailed industry employment in bookkeeping occupations*. Rochester, New York: National Technical Institute for the Deaf, 1977.
- With K. Martin. *Occupational information available at the National Technical Institute for the Deaf*. Rochester, New York: National Technical Institute for the Deaf, 1977.
- With W. Welsh & F. Wilson. *A comparison of students entering the National Technical Institute for the Deaf, 1974–76*. Rochester, New York: National Technical Institute for the Deaf, 1977.
- With M. Marron, J. Seligman, & F. Wilson. *Industries, occupations, and work functions entered by a convenience sample of graduates of the National Technical Institute for the Deaf*. Rochester, New York: National Technical Institute for the Deaf, Division of Management Services, 1977.
- With M. Marron, J. Seligman, & F. Wilson. *The complexity of work within occupations entered by a convenience sample of graduates of the National Technical Institute for the Deaf*. Rochester, New York: National Technical Institute for the Deaf, Division of Management Services, 1977.

*An overview of the Rasch one parameter logistic measurement model.* Rochester, New York: National Technical Institute for the Deaf, Division of Management Services, 1977.

*Feasibility of an NTID/Gallaudet library technical assistant training program.* Rochester, New York: National Technical Institute for the Deaf, 1976.

With K. Martin. *Applicability of the SIGI occupational data base to NTID's career counseling and curriculum research needs.* Rochester, New York: National Technical Institute for the Deaf, 1976, ERIC Document Reproduction Service Number ED 140 016. (see <http://www.eric.ed.gov/PDFS/ED140016.pdf>)

With K. Martin. *1971–1975 data base for the NTID graduate feedback and evaluation system (with four supplements).* Rochester, New York: National Technical Institute for the Deaf, 1976.

*A review of selected tailored testing literature.* Rochester, New York: National Technical Institute for the Deaf, 1976.

*System for Interactive Guidance and Information (SIGI) as a counseling tool at NTID: A feasibility study.* Rochester, New York: National Technical Institute for the Deaf, 1976.

*Theory and applications of the Rasch measurement model.* Rochester, New York: National Technical Institute for the Deaf, July 1975.

*Validation of learning hierarchies for objective-based instructional systems* (Laboratory of Psychometric and Evaluative Research Report No. 9). Amherst, Massachusetts: School of Education, University of Massachusetts, January 1975. (see <http://www.eric.ed.gov/PDFS/ED103442.pdf>)

*Formative evaluation of educational products in career education.* Athens, Georgia: Consultant's report to the College of Education. University of Georgia, 1974.

With E. Chase. *References to the problem of sequencing learning events in objective-based instructional systems* (Information report no. 1). Amherst, Massachusetts: Center for Occupational Education, University of Massachusetts, July 1974.

With R. Cooke & E. Chase. *References of literature related to the formative evaluation of educational products* (Information Report No. 2). Amherst, Massachusetts: Center for Occupational Education, University of Massachusetts, September 1974.

*References to the Rasch one parameter logistic measurement model.* Minneapolis, Minnesota: Minnesota Research Coordinating Unit for Vocational Education, April 1973, ERIC Document Reproduction Service Number ED 078 018. (see <http://www.eric.ed.gov/contentdelivery/servlet/ERICServlet?accno=ED078018>)

## PRESENTATIONS

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### BY INVITATION

*Amelia: Your digital labor force.* Participation in a panel discussion, “Technology and New Opportunities,” for the Education Policy and Leadership Seminar sponsored by The Education Policy and Leadership Center, Harrisburg, Pennsylvania, January 2018.

*Artificial intelligence and machine learning prospects.* Invited presentation at the College of Social Sciences, Incheon National University, November 2017.

*Who split the horizon? An Asian fourth industrial revolution.* One Asia Foundation Invited Lecture, Cheongju University, Chungbuk, Republic of Korea, November 2017. doi:10.6084/m9.figshare.5594482

*Recent trends affecting higher education in the United States.* Invited presentation at Providence University, College of Management, Shalu District, Taichung City, Republic of China, May 2017.

With C. Chae, J. You, & R. M. Baker. *Social network analysis for human resource development/organization development professionals.* Invited pre-conference workshop at the 2017 Academy of Human Resource Development International Research Conference in the Americas, San Antonio, Texas, March 2017.

*Linking production, consumption, employment, and skills — Over 25 years of economic and demographic policy research at Penn State.* Invited Discovery Series Lecture, University of North Texas, Denton,

Texas, March 2017. <https://doi.org/10.6084/m9.figshare.4725568.v1>. Youtube video recording at <https://youtu.be/1PV-Fug5G0U>

*Starting with R — An interactive demonstration.* Invited presentation for the College of Information, University of North Texas, Denton, Texas, March 2017.

With C. Chae. *How do we connect? Social network approach to social capital, knowledge sharing, and innovation.* Invited presentation the First International Congress on Research in Organizational Management, Bogota, Colombia, November 2016.

*Replacing and extending human work.* Invited Spring 2016 Webinar sponsored by the University Council for Workforce and Human Resource Education, April 2016. Slide deck for the webinar available from <http://goo.gl/Y2kOLV>; a video recording of the webinar available from <https://goo.gl/V9LQt7>. Assessment report at <http://rpubs.com/davidpassmore/171070>.

With R. Baker. *Forecasting financial benefits of education and training investments.* Meeting of Penn State Network of Trainers, University Park, Pennsylvania, April 2015. Slides available at <http://tinyurl.com/financial-forecasting>

With R. Baker. *Factors affecting labor availability.* Invited keynote speech at Day & Zimmermann Annual Conference, Philadelphia, Pennsylvania, January 2015. (link to slides at <http://www.slideshare.net/davidpassmore/factors-affecting-labor-productivity>)

With R. Baker. *The business of MOOCs.* Invited presentation at Centre for Online Learning, Institute of Technology Sligo, Sligo, Ireland, May 2014.

With R. Baker. *Marcellus shale natural gas development in Pennsylvania.* Invited public lecture presented at Institute of Technology Sligo, Sligo, Ireland, May 2014.

With R. M. Baker. *The MOOCs are coming to get you!* Invited keynote speech at the Penn State Shenango Teaching Conference: “Meeting the Challenges of the 21st Century Classroom 2013,” Sharon, Pennsylvania, March 2013.

With R. M. Baker. *Economic impact of egg production.* Invited presentation at the annual meeting of the Pennsylvania Poultry Industry Research Check-Off Program, State College, Pennsylvania, September, 2012. (see <http://goo.gl/Tsg6s> and <http://goo.gl/OOjBM>)

With R.M. Baker. *Dissecting economic impact.* Invited keynote presentation at “Constant Streams of Data....The 2012 Pennsylvania Data User Conference,” the Annual Data User Conference sponsored by the Pennsylvania State Data Center, Grantville, Pennsylvania, September 20, 2012.

With R.M. Baker. *Cracking the ethane cracker.* Invited presentation at the Annual WIB Symposium, “Innovation through Integration: Re-Inventing the Workforce System,” sponsored by the Pennsylvania Association of Workforce Investment Boards, State College, Pennsylvania, August 16, 2012.

With R.M. Baker. 2011 *Blair County economic outlook.* Invited presentation to the Blair County Chamber Breakfast Club, a joint initiative of the Altoona-Blair County Development Corporation, the Allegheny Mountains Convention & Visitors Bureau, and the Blair County Chamber of Commerce and sponsored by Sparks Business Institute, Altoona, Pennsylvania, November 16, 2011.

With R.M. Baker. *Expert testimony to the Marcellus Shale Citizens’ Commission.* Invited presentation to the Marcellus Shale Citizen’s Commission, Williamsport, Pennsylvania, September 22, 2011.

With R.M. Baker. *Taxes on Marcellus Shale natural gas production?* Invited presentation at Town Hall Meeting organized by Mike Folmer, Senator for Pennsylvania’s 48th District, Lebanon, Pennsylvania, August 31, 2011.

With R.M. Baker. *Evaluating fiscal impacts: The example of an oil and gas severance tax.* Paper presented at Regional Economic Models Seminar, “Evaluating Fiscal Impacts: the Example of an Oil and Gas Severance Tax,” Harrisburg, Pennsylvania, May 18, 2011.

With R.M. Baker. *Impact of natural gas severance tax in Pennsylvania.* Paper presented at REMI Spring Training Conference, “Developing Economic Policy under Tight Fiscal Conditions,” sponsored by Regional Economic Modeling, Inc, Amherst, Massachusetts, April 28, 2011.

With R.M. Baker. REMI webinar: *Impact of a natural gas severance tax in Pennsylvania.* An invited webinar sponsored by Regional Economic Models, Inc., Amherst, Massachusetts, November 30, 2010.



(see webinar recording at <https://remi.webex.com/remi/ldr.php?AT=pb&SP=MC&rID=16142262&rKey=2a27c6492e3d7de5>)

With R.M. Baker. *Economic development tools for planners*. Invited presentation at the County Planning Directors Association of Pennsylvania Training Workshop, State College, Pennsylvania, November 4, 2010.

With R.M. Baker. *Industries with competitive advantage in Blair County*. Invited presentation at the 2010 Economic Summit sponsored by the Altoona Blair Development Corporation, Altoona, Pennsylvania, September 20, 2010.

With R.M. Baker. *Marcellus Shale gas drilling*. Presentation at *Business Before Hours* breakfast meeting sponsored by the Chamber of Business & Industry of Centre County, State College, Pennsylvania, June 30, 2010.

With R.M. Baker. *Competition affecting powdered metallurgy part manufacturing*. Invited presentation at PowderMet2009—The Metal Powder Industry Federation and Advanced Particulate Materials Institute International Conference on Powder Metallurgy & Particulate Materials, Las Vegas, Nevada, June 29, 2009.

With R.M. Baker. *Sex life of the economy: Where do jobs come from?* Invited presentation at Penn State's 59th Alumni Institute, University Park, Pennsylvania, June 5, 2009.

*Maintaining success in enforcement of child support*. Presentation at the Annual Domestic Relations Directors' Conference sponsored by the Penn State Justice and Safety Institute and the Pennsylvania Child Support Enforcement Training Institute, University Park, Pennsylvania, May 19, 2009.

With R.M. Baker. *Jobs related to solar energy: Benchmarks and prospects*. Paper presented at Solar Energy: Awareness, Challenges, and Opportunities, University Park, Pennsylvania, May 7, 2009.

With R.M. Baker. *The future of business and industry in central Pennsylvania*. Invited presentation at Employer Luncheon for Penn State Continuing Education Career Fair, University Park, Pennsylvania, April 22, 2009.

With R.M. Baker. *Elimination of electricity rate caps in Pennsylvania, 2011-2015*. Paper presented at Regional Economic Models Seminar, "Modeling the Current Economic Crisis," Harrisburg, Pennsylvania, November 4, 2008.

With R.M. Baker. *Working close apart: Web 2.0 tools for collaboration*. Invited presentation at the Annual Career Services Conference, University Park, Pennsylvania, May 13, 2008.

With R.M. Baker. *The future of plastics manufacturing employment in Pennsylvania*. Invited presentation to the Northeastern Pennsylvania Plastics Cluster Workforce Development Team, Hazleton, Pennsylvania, May 2, 2008. (see <http://live.psu.edu/story/30291>)

With R.M. Baker. *Data-driven decisions for workforce investment*. Invited presentation to the Tri-County Workforce Investment Board, Kittanning, Pennsylvania, April 18, 2008.

With R.M. Baker. *Forecasts of macroeconomic impacts of elimination of electricity rate caps in Pennsylvania by 2011*. Invited presentation at Regional Economic Models Seminar, "Regions as the Building Blocks of the Global Economy," Harrisburg, Pennsylvania, April 9, 2008.

With R.M. Baker. *Design of a study of the global competitiveness in powdered metallurgy part manufacturing in north central Pennsylvania*. Invited presentation to the North Central Powdered Metals Industry Consortium, Ridgway, Pennsylvania, April 3, 2008.

With R.M. Baker. *Information about local economies in Pennsylvania*. Invited presentation to the Mercer County Township Officials School, Mercer, Pennsylvania, March 27, 2008.

With R.M. Baker. *Simulation of the economic, demographic, and workforce effects of elimination of electricity rate caps in the Pennsylvania economy in 2010*. Invited presentation at the REMI Seminar on Economic Modeling and Policy Analysis, Harrisburg, Pennsylvania, April 9, 2008.

With R.M. Baker. *Sustainability: A forecast of employment and job openings in plastics manufacturing in Pennsylvania*. Invited presentation at the 2008 Pennsylvania Plastics SourceNet Symposium, "Alliances for a Sustainable Future," University Park, Pennsylvania, March 13, 2008.

- With R.M. Baker. *Your electrifying utility bill: A forecast of Pennsylvania economic and workforce changes resulting from removal of electricity rate caps*. Symposium presented to the Society for Workforce Education & Development, University Park, Pennsylvania, February 29, 2008.
- With R.M. Baker. *Workforce analysis standards for the high performance Workforce Investment Board*. Presentation to the Tri-County Workforce Investment Board, Kittanning, Pennsylvania, February 22, 2008.
- With R.M. Baker. *Structure and competitiveness of powdered metallurgy part manufacturing*. Invited presentation to the North Central Powdered Metals Industry Consortium, Ridgway, Pennsylvania, February 19, 2009.
- With R.M. Baker. *Analysis of regional economic and workforce development opportunities*. Presented to the Northeast Region Outreach Council, Wilkes Barre, Pennsylvania, September 2007.
- With R.M. Baker. *Workforce data: Its meaning and use*. Invited presentation to the Tri-County Workforce Investment Board, Kittanning, Pennsylvania, June 2007.
- With R.M. Baker & J. Jamrog. *Information futures markets for human resource planning and management*. Invited presentation at the 2006 CEO's Conference on Human Resources Metrics and Analytics, "Measuring Your Talent and Organization: Beyond the Basics," sponsored by the Marshall School of Business, University of Southern California, Los Angeles, California, November 2006.
- With R.M. Baker. *Applications of stock markets for information in instruction*. Invited presentation at the Innovators Speakers Series sponsored by Educational Technology Services, Teaching and Learning with Technology, Penn State University, University Park, Pennsylvania, November 2006.
- With R.M. Baker. *Financial forecasting of benefits of training and development*. Invited presentation to the Voluntary Hospital Association of Pennsylvania, State College, Pennsylvania, October, 2006.
- With R.M. Baker. *Information markets: Exciting new possibilities for organization strategy through future forecasting*. Invited presentation to the Rocky Mountain Human Resource Planning Society, Denver, Colorado, September 2006.
- With R.M. Baker. *Forecasting return on investment for continuing education services and programs*. Invited presentation at the Continuing Education Professional Development Conference, University Park, Pennsylvania, June 2006.
- With R.M. Baker. *Research and analysis of local economies*. Invited presentation at Moving a Demand-Driven Innovation System Forward through Industry Partnerships: A Symposium for Planners in Workforce Development, Education, and Economic Development, University Park, Pennsylvania, June 2006.
- With R.M. Baker. *Potential uses of economic markets for aggregating and diffusing information about patient-focused care*. Invited presentation at the Patient-Focused Care Symposium sponsored by the AMD3 Research and Education Foundation and the University of Pittsburgh Medical Center at Magee Women's Hospital, Pittsburgh, Pennsylvania, June 2006.
- With R.M. Baker. *Nuts and bolts of your regional economy*. Invited presentation to the Pennsylvania Capital Region Outreach Council, Middletown, Pennsylvania, May 2006.
- With R.M. Baker. *The power of information markets*. Invited presentation at the "Thought Leaders Breakfast" at the 2006 Global Conference of the Human Resource Planning Society, Tucson, Arizona, April 2006.
- With R.M. Baker. *A tool for identifying training needs*. Invited workshop presented at the WEDnet Pennsylvania Training and Development Conference, Williamsport, Pennsylvania, April 2006.
- With R.M. Baker. *A market for HR ideas: An invitation to put your assets where your thoughts are*. Invited paper presented at the 34th Annual Human Resource Institute Issue Management Conference, St. Pete Beach, Florida, February 2006.
- With R.M. Baker. *Data analysis in workforce education and development: An example in design of blended learning*. Invited presentation at Exploring Blended Learning Symposium, University Park, Pennsylvania, January 2006.
- With R.M. Baker. *Self-organizing learning opportunities*. Invited presentation at Faculty Development Seminar for Penn State Online, University Park, Pennsylvania, November 2005.

With R.M. Baker. *Employment in Pennsylvania health care and service occupations conditional on two national health care spending scenarios: A structural economic simulation*. Invited presentation at the REMI Seminar on Economic Modeling and Policy Analysis, Harrisburg, Pennsylvania, November 2005.

With R.M. Baker. *Playing the market in human resource futures*. Paper presented at HR Futures Symposium sponsored by Nike and HRInstitute at Nike World Headquarters, Beaverton, Oregon, October 2005.

*Ballpark estimates: The 1994 baseball strike and the Pennsylvania economy*. Invited presentation at the REMI Educational Seminar on Economic Modeling and Policy Analysis, Philadelphia, Pennsylvania, July 2005.

*Adoption of e-learning: Lessons from the civilian sector*. Invited keynote presentation at *Obstacles to Distance Learning*, a conference co-sponsored by the Distance Learning Coordinating Committee of the Military Education Coordination Council and the Joint Special Operations University of the U.S. Department of Defense, Hurlburt Field, Florida, March 2004.

*E-learning as a self-organizing system*. Keynote presentation at International Conference of E-Learning: The Evolution or Revolution, The Development of Contemporary E-Learning sponsored by the Republic of China Ministry of Education, Council for Cultural Affairs, and Industrial Development Bureau at Chinese Culture University, Taipei, Taiwan, December 2003.

*Self-organization in biological and network systems*. Presented at symposium held by the Visual Arts Institute of the Taipei Municipal Teachers College, Taipei, Taiwan, December 2003.

*Instructional design built on self-organization and emergence*. Presentation at colloquium sponsored by Chinese Cultural University, Yang-Ming-Shan, Taiwan, December 2003.

With T. Lee, J. Chou, H. Han, W. Hershy, & N. Banister. *Global vision of e-learning*. Invited presentation at International Conference of E-Learning: The Evolution or Revolution, The Development of Contemporary E-Learning sponsored by the Republic of China Ministry of Education, Council for Cultural Affairs, and Industrial Development Bureau at Chinese Culture University, Taipei, Taiwan, December 2003.

*Learning with networks: From static to emergent*. Invited presentation sponsored by the sponsored by the Offices of the Vice Provost for Research, Information Technology, Distance Education and Creative Services, the Teaching and Learning Center, and The William F. Harrah College of Hotel Administration, University of Nevada, Las Vegas, Nevada, May 2003.

*Social transformation of networks*. Invited lecture in the 2003 Presidential Lecture Series: Technology, Society, and Humanity, Bowling Green State University, Bowling Green, Ohio, February 2003.

*The sex life of the economy: How unfettered lust for goods and services creates jobs*. Invited presentation to the College of Technology, Bowling Green State University, Bowling Green, Ohio, February 2003.

*Use of videoconferencing in instruction*. Invited presentation at the 2<sup>nd</sup> Annual Irish Technology Users Conference, Sligo, Ireland, May 2001.

*Wallflowers at the dance: Faculty reluctance to implement web-based course delivery*. Invited keynote address at 4<sup>th</sup> Annual New Media Centers Conference, Kent, Ohio, March 2001.

*Innovations in web-based instruction*. Executive briefing for Apple Computer Corporation, Cupertino, California, February, 2000.

*Impediments to developing web-based instruction*. Invited keynote address at 1<sup>st</sup> Annual Irish Technology Users Conference, Sligo, Ireland, May 2000.

With J. Wall. *Multimedia precision machining training at a distance*. Invited address to the National Manufacturing Training Centre, Sligo, Ireland, May 2000.

With J. Wall. *Feasibility of the virtual machine shop*. Invited keynote address for the Annual Meeting of the National Tooling and Machining Association, Orlando, Florida, February 2000.

*Educational reform and economic performance*. Invited paper presented at Northeast Regional Economic Modeling Conference, Philadelphia, Pennsylvania, April, 2000.

*Feasibility of the virtual machine shop.* Keynote speech for the Annual Meeting of the National Tooling & Machining Association. Orlando, Florida, February 2000.

*Workforce development and economic development.* Keynote speech at meeting of Maryland Chapter of the American Society for Training & Development, Baltimore, MD, April 1999.

*Manufacturing and workforce development.* Invited presentation to Manufacturers Council of Altoona-Blair County Development Corporation, Altoona, Pennsylvania, July 1998.

*Documenting the impact of the skills gap on productivity.* Keynote speech at National Coalition for Advanced Manufacturing Annual Washington Conference, "Using Skills Standards in Workforce Development: Best Practices, New Methods, & Successful Partnerships," Washington, DC, March 1998.

*Opportunities Lost: How much are technical skills worth to a community?* Open Public Forum, "Critical Issues in Human Resource Development: Driving Forces for Future Development," presented at St. John Fischer College, Rochester, New York, April 1998.

*Econometric models for linking economic development and training.* Keynote presentation at meeting of Omicron Tau Theta at Virginia Tech, Blacksburg, Virginia, May 1997.

*Lost opportunities without school-to-work.* Keynote speech at "Complete Career Curriculum," a symposium sponsored by York County School-to-Work, York, Pennsylvania, October 1997.

*Opportunities lost: How much are technical skills worth to a community?* Keynote speech at the 1997 Fall Conference of the Pennsylvania Economic Development Association, University Park, Pennsylvania, October 1997.

*Missed opportunities: How Pennsylvanians are losing chances for economic security.* Keynote speech at School-to-Work Symposium sponsored by Milton Area Chamber of Commerce and Union County Chamber of Commerce, Milton, Pennsylvania, August 1997.

*Communication issues in training on the Internet.* Keynote speech at a monthly meeting of the Detroit Chapter of the International Society for Performance Improvement, Detroit, Michigan, March 1997.

*Econometric models for linking economic development and training.* Keynote presentation at meeting of Omicron Tau Theta at Virginia Tech, Blacksburg, Virginia, May 1997.

*To get the big fish, you gotta have bait: How technical skills deficits can impede economic development.* Public lecture sponsored by the Downtown Center, The Pennsylvania State University, Harrisburg, Pennsylvania, April 1997.

*Impact of new and emerging technologies on living and learning.* Keynote speech delivered at the Annual Meeting of the American School Food Service Association, Chicago, Illinois, May 1997.

*Link to learn project.* Keynote address at a conference, "Transforming Classrooms Through Technology," sponsored by Continuing & Distance Education, The Pennsylvania State University, University Park, Pennsylvania, May 1997.

*Opportunity is always knocking quietly: Will you hear it?* Keynote presentation at a career development conference, "Preparing Students and Adults for a Changing Economy," Sponsored by the Bureau of Vocational-Technical Education of the Pennsylvania Department of Education and the Pennsylvania Department of Labor and Industry, May 1997.

*The world-wide web and its use in training.* Presentation to the Nittany Valley Chapter of the American Society for Training and Development, State College, Pennsylvania, April 1997.

*Electronic performance support systems: A review of literature.* Invited paper presented at Tung Nan Junior College of Technology, Taipai, Taiwan, ROC, April 1996.

*Structural economic forecasting for Pennsylvania.* Present at "Regional Strategies for Pennsylvania's Economic Competitiveness" co-sponsored by the Legislative Office of Research Liaison of the Pennsylvania House of Representatives and the Penn State Institute for Policy Research and Evaluation, Harrisburg, Pennsylvania, May 1996.

*Forecasting requirements for managers: Selected U.S. methods and experience.* Invited address at the Symposium National Sur La Formation Des Cadres sponsored by the Moroccan Ministère de l'Enseignement Supérieur de la Formation des Cadres et de la Recherche Scientifique, Rabat, Morocco, March 1996.

*Education and training on the Internet.* Symposium provided for the Institute for Postal Services and Telecommunication, Rabat, Morocco, March 1996.

*Designing instruction and interaction using Internet resources.* Presentation at Project Empower Convocation, Great Valley, Pennsylvania, January 1996.

*Pennsylvania health care and service employment and training through 2005: Prospects and uncertainties.* Invited Plenary Session at “Strategies for Successful Health Care Providers” sponsored by the School of Nursing and Center for Professional Development in Vocational Education at The Pennsylvania State University, University Park, Pennsylvania, October 1995.

*Economic implications of growth and change in Pennsylvania printing and publishing: Evidence from the Pennsylvania economic model.* Paper presented at the Government Affairs Conference of the Pennsylvania Newspaper Publishers Association, Harrisburg, Pennsylvania, January 1995.

*The outlook for the 1995 Pennsylvania economy.* Paper presented to the Altoona Chamber of Commerce, Altoona, Pennsylvania, January 1995.

*The statewide impact of higher education on the Pennsylvania economy: A research précis.* Paper presented to the Secretariat of the Pennsylvania Association of Colleges and Universities, Harrisburg, Pennsylvania, December 1994.

*How healthy is national health care reform For Pennsylvania employment?* Luncheon Address to Harrisburg Trade Association Executives, Harrisburg, Pennsylvania, November 1994.

*Economics of printing and publishing in Pennsylvania: Evidence from the Pennsylvania Economic Model.* Invited paper presented at the Annual Meeting of the Pennsylvania Newspaper Publishers Association, Valley Forge, Pennsylvania, October 1994.

*Pennsylvania manufacturing: Performance and prospects.* Public Lecture sponsored by Penn State Downtown Center, Harrisburg, Pennsylvania, October 1994.

*Research opportunities available with the Pennsylvania economic model.* Invited paper presented at a meeting of the Pennsylvania MILRITE Council, Harrisburg, Pennsylvania, June 1994.

*Performance and competitiveness of the Pennsylvania economy 1969–2000.* Invited paper presented to the Futures Council, Office of the Governor, Commonwealth of Pennsylvania, Harrisburg, Pennsylvania, March 1994.

With W. Anderson. *Modeling the effects of the defense conversion in a Pennsylvania economic region.* Invited presentation at Conference on Regional Effects of National Policies sponsored by Regional Economic Models, Inc., Washington, DC, June 1993.

*Ethical uses of human research subjects.* Invited review of literature presented at the 1991 Meeting of the Northeastern Educational Research Association, Ellenville, New York, October 1991.

*Economics of self-esteem.* Keynote address for the Eighth Annual George Washington’s Birthday Conference sponsored by the Missouri Department of Elementary and Secondary Education, Columbia, Missouri, February 1989.

*Enhancing faculty research, productivity, and quality: Opportunities for secondary data analysis.* Invited seminar presented to the faculty in the Department of Vocational, Technical, and Practical Arts Education in the College of Education of the University of Missouri, Columbia, Missouri, February 1989.

*Strategic planning of employment and training for regional economic development.* Invited paper presented at the Mid-Year Meeting of the University Council for Training and Development Research, Knoxville, Tennessee, May 1988.

*Training and development research priorities.* Keynote speech for the Mid-Year Meeting of the University Council for Training and Development Research, Knoxville, Tennessee, May 1988.

*Injuries in underground coal mining 1975–1985.* Invited colloquium presented at Harvard School of Public Health, Injury Prevention Research Center, Boston, Massachusetts, November 1987.

*Employment problems of handicapped youth.* Keynote address presented at REACH conference, Butler, Pennsylvania, November 1986.

With M.C. Radomsky & L. Saperstein. *Prototype Pennsylvania small mines program*. Invited paper presented at the Fifth Annual Mine Safety and Health Administration Coordination Conference, National Mine Health and Safety Academy, Beckley, West Virginia, October 1986.

*Adapting human resources to organizational change*. Keynote paper presented at the 1986 Invitational Theory-to-Practice Symposium sponsored by the Research Committee of the American Society for Training and Development, St. Paul, Minnesota, June 1986. (also presented at the meeting of the Nittany Valley Chapter of the American Society for Training and Development, State College, Pennsylvania, September 1986.)

*Youth employment problems: Implications for education and training*. Invited Review of Literature presented at the annual meeting of the Northeastern Educational Research Association, Kerhonkson, New York, October 1986.

*Transition from school to work*. Keynote speech for state-wide in-service teacher conference sponsored by the North Carolina Department of Public Instruction, Raleigh, North Carolina, March 1986.

With J. Bennett. *Correlates of accident severity in underground coal mining in the United States 1975-1981*. Invited paper presented at the 10th World Congress on the Prevention of Occupational Accidents and Diseases, sponsored by the International Social Security Association, International Labor Organization, and Canadian Society of Safety Engineers, Hull, Quebec, Canada, June 1984.

*Vocational mainstreaming*. Keynote presentation at the Fall Meeting of the Marion Quick Honorary Chapter of the Alexander Graham Bell Association, State College, Pennsylvania, September 1984.

*Research trends in the study of youth unemployment*. Invited seminar presented at the Minnesota Research and Development Center for Vocational Education, University of Minnesota, Minneapolis, Minnesota, May 1983.

*Research and writing in vocational education*. Invited colloquium sponsored by Department of Vocational and Technical Education, University of Minnesota, St. Paul, Minnesota, May 1983.

*Causes and consequences of youth labor market problems in the United States*. Guest lecture delivered at University College Dublin, Dublin, Ireland, November 1982.

*American experience with research on youth employment*. Guest lecture delivered at University College Cork, Cork, Ireland, November 1982.

*Youth employment: An issue?* Keynote speech for the New York State Vocational Education Leadership Institute sponsored by the State University of New York College of Technology, Utica, New York, March 1982.

*Economics of deafness*. Invited paper presented at Applied Research Symposium on Innovative Research and Practices in Evaluation, Adjustment, Training, and Employment Services for Hearing-Impaired Persons, Little Rock, Arkansas, October 1982.

*Reaction to recent quantitative doctoral research in vocational education*. Invited presentation at the Annual Meeting of the American Vocational Association, Atlanta, Georgia, December 1981.

*The economic and vocational implications of deafness*. Invited paper presented at university-wide colloquium, Bowling Green State University, Bowling Green, Ohio, April 1978.

*National employment outlook for medical record technicians*. Invited paper presented at colloquium sponsored by the Institute for Occupational Education, Cornell University, Ithaca, New York, May 1978.

*Bookkeeping employment through 1985*. Paper presented at Seminar on Research in Vocational Education, University of Minnesota, Minneapolis, Minnesota, July 1977.

*Diffusion strategies*. Invited paper presented at conferences of third party evaluators of programs funded under the Youth Employment and Demonstration Programs Act of 1977, Chicago, Illinois, May 1979, and New Orleans, June 1979.

*Planning and evaluating programs for students with special needs*. Keynote speech presented at the Annual Meeting of the Ohio Council of Industrial Teacher Educators, Wilmington College, Wilmington, Ohio, October 1976.

Chairman of *A review of criterion-referenced testing and measurement issues and developments*. Invited symposium presented at the annual meeting of the American Educational Research Association, Washington, DC, March 1975.

With W. Welsh. *Objectives for instructional systems*. Paper presented at a staff conference of the Northern Berkshire Regional School District, North Adams, Massachusetts, March 1975.

With E. Chase. *Instructional product evaluation*. Symposium presented at the College Colloquium, Keene State College, Keene, New Hampshire, March 1975.

*Industrial arts and special education*. Paper presented at Elementary and Secondary Education Act Workshop for Handicapped Children, Bowling Green, Ohio, August 1970.

#### AT INTERNATIONAL & NATIONAL MEETINGS

With V. G. Borkovskaya. *Behavior engineering model to identify risks of losses in the construction*. Far East Con-2018: International Scientific Conference on Industrial Engineering and Modern Technologies, Vladivostok, Russia, October 2018.

*Developing a digital labor force*. 19th International Conference on Human Resource Development Research and Practice across Europe, Newcastle-upon-Tyne, England, June 2018.

With R.M. Baker. *Can you trust your algorithm?* EdTech 2018: Meeting of the Irish Learning and Technology Association, Carlow, Ireland, May 2018.

With V. G. Borkovskaya. *Application of failure mode and effects analysis in ecology in Russia*. Paper presented at the VII International Scientific and Technical Conference: Solution of Environmental Problems in the Construction Industry and Real Estate, Ho Chi Minh City, Vietnam, March 2018.

With R. M. Baker. *Topic modeling: A text mining technique for researchers in human resource development*. Paper presented at the International Research Conference in the Americas, Richmond, Virginia, February 2018. *Synopsis*: doi:10.6084/m9.figshare.5877664.v2 and *Slides*: doi:10.6084/m9.figshare.5877658.v2

With M.Zigner, C. Padilla, R. Elanwer, & R. M. Baker. *Predicting training participation: An exploration of supervised machine learning*. Paper presented at the International Research Conference in the Americas, Richmond, Virginia, February 2018.

With R. Elanwer. *Data analytics in HR: A review of the literature*. Paper presented at the International Research Conference in the Americas, Richmond, Virginia, February 2018.

With R. M. Baker & Chew. E. *Artificial intelligence in education and its impacts on learning interactions*. EdTech 2017: Meeting of the Irish Learning and Technology Association, Sligo, Ireland, June 2017. doi:10.6084/m9.figshare.5056435.v1

With R. M. Baker, F. Baker, & C. Chae. *Mixed methods models and use in Academy of Human Resource Development publications*. Paper presented at the 2017 Academy of Human Resource Development International Research Conference in the Americas, San Antonio, Texas, March 2017.

With C. Chae, J. Al-Khadhuri, R. M. Baker & J. Turner *Structural model of topics in Academy of Human Resource Development journals, 1990-2015*. Paper presented at the 2017 Academy of Human Resource Development International Research Conference in the Americas, San Antonio, Texas, March 2017. doi:10.6084/m9.figshare.4725577.v1

*Starting with R*. (Webinar broadcast internationally from University Park Campus of Penn State). May 2016. Video recording at <https://goo.gl/GZ2Ab8>

With R. M. Baker. *Social networks of performance*. Paper presented at the 2016 Performance Improvement Conference of the International Society for Performance Improvement, Philadelphia, Pennsylvania, April 2016. Slide presentation available at <http://www.slideshare.net/davidpassmore/passmore-baker-12april20162016speakerppt>.

With R. Baker. *Economic and financial features of MOOCs*. Presented at Eurovision 2020: Technology Enhanced Learning for a New Horizon, the 2014 Meeting of the Irish Learning and Technology Association, Dublin, Ireland, May 2014. Video available at <https://media.heanet.ie/page/db9559d9e5da44a6aba479f9775134a6>

- With A. Kern. *Income from wages and salaries by special education classification and school program*. Presented at the Annual Meeting of the Association for Career and Technical Education Research, Atlanta, Georgia, November 2012.
- With R. M. Baker. *Graph-theoretic links between production, demand, and employment in Pennsylvania*. Presentation at the 27th Annual REMI Users' Conference, Washington, DC, October 2012.
- With R. M. Baker, B. Mulligan, & K. Peck. *Open learning badges and higher education: Threats and opportunities*. Presentation at ALT-C, the 19th International Conference of the Association for Learning Technology, Manchester, United Kingdom, September 2012.
- With R.M. Baker. *A graph theoretic approach to describing regional economic structure*. Presentation at the 26th Annual REMI Users' Conference, Lake Tahoe, Nevada, October 2011.
- With R.M. Baker. *Impact of a natural gas severance tax in Pennsylvania*. Presentation at the 25th Annual REMI Users' Conference, Austin, Texas, October 2010.
- With R.M. Baker. *Prezi: A non-linear, rich media alternative to PowerPoint*. Paper presented at EdTech 2010 sponsored by the Irish Learning and Technology Association, Athlone, Ireland, May 2010.
- With R.M. Baker. *Economic and demographic consequences of eliminating price caps on electrical rates in Pennsylvania*. WebEx online seminar presented by Regional Economic Models, Inc., Amherst, Massachusetts, June 2009.
- With R.M. Baker & M. Loiacono. *Elimination of electricity rate caps in Pennsylvania, 2011-2015*. Presentation at 2008 Annual Regional Economic Modeling Users Conference, "PI+: The Next Generation of Policy Insight," Santa Fe, New Mexico, October 2008.
- With R.M. Baker & J.W. Yoo. *Benchmarking forecasted impacts against time-series variations in regional employment*. Presentation at 2008 Annual Regional Economic Modeling Users Conference, "PI+: The Next Generation of Policy Insight," Santa Fe, New Mexico, October 2008.
- With R.M. Baker. *Tossing the cap: Electrical rate changes in Pennsylvania starting in 2010*. Presentation at 2007 Annual Regional Economic Modeling Users Conference, "Regional Economies: the Building Block of the Global Community," La Jolla, California, October 2007.
- With R.M. Baker. *Self-organizing social learning through the monastery gates*. Paper presented at the 4th International Association of Science and Technology for Development International Conference on Web-Based Education, Grindelwald, Switzerland, February 2005.
- With E. D. Cebeci. *Potential of idea futures markets in educational technology*. Paper presented at the 4<sup>th</sup> Annual Irish Technology Users Conference, Tralee, Ireland, June 2004.
- Self-Organizing eLearning in the monastery: An analysis of perlmonks.org*. Paper presented at the 4<sup>th</sup> Annual Irish Technology Users Conference, Tralee, Ireland, June 2004.
- With E.D. Cebeci. *Decision markets in educational technology*. Paper presented at the 5th International Conference on Information Technology Based Higher Education and Training, Istanbul, Turkey, May 2004.
- New educational methods for organizational and enterprise learning derived from self-organizing systems theory and practice*. Paper presented at Third International Conference on New Horizons in Industry and Education, Santorini Island, Greece, August 2003.
- With C. Lin & Y. Chen. *Comparisons of job-related training and education for part-time and full-time U.S. workers: An application of multinomial logit modeling*. Fourth International Conference for Promoting Technical Vocational Education Institutes and Industrial Technology Education, Changhua, Taiwan, April 2003.
- With C. Lin & Y. Chen. *Job-related training and education for U.S. workers: An analysis of investments and obstacles*. Paper presented at the International Conference of the Academy of Human Resource Development, Minneapolis, Minnesota, March 2003.
- With C. Lin & Y. Chen. *Estimating shortages of engineering personnel: Theoretical and methodological approaches*. Paper presented at the Sixth Annual Conference of the UNESCO International Centre for Engineering Education, Cairns, Australia, February 2003.



- With M. Halm. *Potential for collaborative peer-to-peer technologies in technology education*. Paper presented at the Third Global Congress on Engineering Education, Glasgow, Scotland, June 2002.
- With R. Gray. *Partnering with industry to provide students with active learning experiences*. Paper presented at the Third Global Congress on Engineering Education, Glasgow, Scotland, June 2002.
- With M. Halm. *The reemergence of peer-to-peer technologies to support innovative educational applications*. Plenary session presentation at Third Annual Irish Educational Technology Users Conference, Carlow, Ireland, May 2002.
- With B. Ladrado. *Web-based videoconferencing and collaboration*. Paper presented at Third Annual Irish Educational Technology Users Conference, Carlow, Ireland, May 2002.
- With W. A. Mohamed. *Underemployment and participation in vocational education: A methodological study*. Paper presented at Annual Conference of the International Vocational Education and Training Association, Montego Bay, Jamaica, July 2001
- Educational investments critical to industrial growth and change*. Paper presented at Second International Conference on New Horizons in Industry and Education, Milos Island, Greece, September 2001.
- Identifying skills critical to economic growth and development: A social accounting approach*. Paper presented at International Conference of Scholars on Technology Education and World Council of Associations for Technology Education, Braunschweig, Germany, September 2000.
- Methods for identifying skill shortages*. Paper presented at the 2000 Meeting of the International Vocational and Technical Education Association, Hong Kong, July 2000.
- Use of social accounting models to plan vocational and technical education*. Paper presented at the 2000 Meeting of the International Vocational and Technical Education Association, Hong Kong, July 2000.
- Promoting collaboration and cooperation on the Internet*. Paper presented at the Annual Meeting of the International Federation of Training and Development Associations, Dublin, Ireland, July 1998.
- With J. Wall, C. Pellock, & H. Tucker. *Community costs of technical skills deficits: A Pennsylvania case study*. Paper presented at “Strengthening Postsecondary Education’s Contribution to Economic Development: An Australia–U.S. Conference,” University Park, Pennsylvania, June 1997.
- With K. L. Peck. *Maximizing interaction in large distance education courses*. International Council for Distance Education, State College, Pennsylvania, May 1997.
- Training on the Internet: Computer-based instruction adoption issues*. Annual Conference of the Academy of Human Resource Development, Minneapolis, Minnesota, February 1996.
- Ballpark estimates: Impact of the 1994 baseball strike on the Pennsylvania economy*. Paper presented at the Annual Users’ Conference of Regional; Economic Models, Inc., San Diego, California, October 1995.
- Issues in high school to employment transition*. Paper presented at the Annual Meeting of the American Vocational Association, Dallas, Texas, December 1994.
- Requirements for Pennsylvania health care and service workers under alternate regional patterns of spending in health-related industries*. Paper presented at the 1994 Regional Economic Models, Inc. Users’ Conference, Minneapolis, Minnesota, October 1994.
- A regional policy simulation of economic outcomes of educational reform*. Paper presented at the 3rd International Interdisciplinary Conference of the International Research Network for Training and Development, University of Milan, Milan, Italy, June 1994.
- With W. Anderson. *The potential of world class technical education for developing a region’s competitive edge: An econometric study*. Paper presented at the 31st National Conference on Technical Education sponsored by the American Technical Education Association, Albany, New York, March 1994.
- With W. Anderson. *The Pennsylvania manufacturing sector—Retrospect and prospect: Policy options for a stronger future*. Paper presented at the 1993 Regional Economic Models Users’ Conference, Atlanta, Georgia, October 1993.

With W. Anderson. *Economic structure of central and northern Pennsylvania and its sensitivity to national defense expenditures*. Paper presented at the 1993 Regional Economic Models Users' Conference, Atlanta, Georgia, October 1993.

With J. Nelson & W. Anderson. *The environment vs. jobs dilemma: A simulation study of the low emissions vehicle program*. Paper presented at the 1993 Regional Economic Models Users' Conference, Atlanta, Georgia, October 1993.

With R. J. Visdos. *Distance learning opportunities*. Paper presented at the 1991 Conference of the National Council for Resource Development, Washington, DC, December 1991.

With G. Pewewardy. *Role of vocational education in employment and economic well-being*. Paper presented at the 23rd Annual Conference of the National Indian Education Association, Omaha, Nebraska, October 1991.

With R. J. Visdos & F. G. Welch. *Overview of the Penn State/Network partnership*. Presented at the 1991 NETWORK Conference, "Towards a More Competitive America: Adult Literacy, Employment, Training and the Community College," Jacksonville, Florida, February 1991.

With F. G. Welch. *Developing associate-baccalaureate degrees for employment and training and literacy professionals*. Presented at the 1991 NETWORK Conference, "Towards a More Competitive America: Adult Literacy, Employment, Training and the Community College," Jacksonville, Florida, February 1991.

With F. G. Welch. *Development of masters and doctoral degrees for senior employment and training and literacy professionals*. Presented at the 1991 NETWORK Conference, "Towards a More Competitive America: Adult Literacy, Employment, Training and the Community College," Jacksonville, Florida, February 1991.

With F. G. Welch. *Development of regional-short term professional development opportunities*. Presented at the 1991 NETWORK Conference, "Towards a More Competitive America: Adult Literacy, Employment, Training and the Community College," Jacksonville, Florida, February 1991.

With G. Geroy & D. Wang. *Synthesis of labor supply theory with expectations for labor market outcomes of vocational education*. Paper presented at the Annual Meeting of the American Vocational Association, Orlando, Florida, December 1989.

With G. Geroy & D. Wang. *An interindustry model for teaching relationships among production, consumption, and employment*. Paper presented at the Annual Meeting of the American Vocational Association, Orlando, Florida, December 1989.

With N. K. Olsen. *The effect of the GED credential on individual labor supply: A critical review of literature*. Paper presented at the Annual Meeting of the American Educational Research Association, San Francisco, California, April 1989.

With N. K. Olsen. *The labor supply of young GED recipients*. Paper presented at the Annual Meeting of the American Educational Research Association, San Francisco, California, April 1989.

With D. Whitney. *Employment of young GED recipients: Findings and prospects for research*. Paper presented at the Annual Meeting of the American Educational Research Association, New Orleans, Louisiana, April 1988.

*Risk and severity of hand and finger injuries among underground coal miners in the United States*. Paper presented at the Annual Meeting of the American Public Health Association, Boston, Massachusetts, November 1988.

With M. C. Radomsky, A. Shah, & L. W. Saperstein. *Developing a nationwide mine injury reporting system for the personal computer*. Paper presented at the annual meeting of the Society of Mining, Metallurgical, and Petroleum Engineers, Phoenix, Arizona, February 1988.

With G. Risher & U. Ay. *Measurement of labor force attachment*. Paper presented at the Annual Meeting of the American Educational Research Association, Washington, DC, April 1987.

With G. Risher & U. Ay. *Confirmatory factor analysis of youth labor force attachment*. Paper presented at the Annual Meeting of the Northeastern Educational Research Association, Ellenville, New York, October 1987 and at the Annual Meeting of the American Educational Research Association, New Orleans, Louisiana, April 1988 (Award Presentation).

With M. C. Radomsky, L. W. Saperstein, & J. D. Bennett. *The role of safety observation and safety sampling in mandated miner training*. Paper presented at the Spring Meeting of the Society for Mining, Metallurgy, and Exploration, Engineering, Society of Mining, Metallurgical, and Petroleum Engineers, Denver, Colorado, February 1987.

With M. C. Radomsky, L. W. Saperstein, & J. D. Bennett. *Increasing the effectiveness of mandatory training through on-site safety services*. Paper presented at TRAM (Training Resources Applied to Mining) 13, Wheeling, West Virginia, August 1986.

With J. D. Bennett. *Epidemiology of hand and finger injuries in coal mining*. Paper presented in the Engineering Health and Safety in Coal Mining Symposium at the Spring meeting of the Society for Mining, Metallurgy, and Exploration, Society of Mining, Metallurgical, and Petroleum Engineers, New Orleans, Louisiana, March 1986.

With J. D. Bennett. *Potential safety of diesel equipment*. Paper presented at the 16th American Mining Congress Coal Convention, Underground Face Operations Session, Pittsburgh, Pennsylvania, May 1985.

With J. D. Bennett. *Diesel equipment safety*. Paper at the 16th Annual Institute on Coal Mining Health, Safety, and Research, Virginia Polytechnic Institute and State University, Blacksburg, Virginia, August 1985.

With J. D. Bennett. *Safety of diesel equipment*. Testimony presented at hearing conducted by Diesel Subgroup of the Research Advisory Committee of the National Institute of Occupational Safety and Health, Washington, DC, January 1985.

With J. D. Bennett. *A latent variable approach to estimating the reliability of mine safety reports*. Paper presented at the Traumatic Accident Section of the International Conference on the Health of Miners, 3rd Theodore F. Hatch Symposium sponsored by the World Health Organization, American Conference of Governmental Industrial Hygienists, National Institute for Occupational Safety and Health, and the Graduate School of Public Health of the University of Pittsburgh, Pittsburgh, Pennsylvania, June 1985.

With J. D. Bennett. *Hazard rating models for risk assessment*. Paper presented at the International Conference on the Health of Miners, 3rd Theodore F. Hatch Symposium sponsored by the World Health Organization, American Conference of Governmental Industrial Hygienists, National Institute for Occupational Safety and Health, and the Graduate School of Public Health of the University of Pittsburgh, Pittsburgh, Pennsylvania, June 1985.

With J. D. Bennett. *Risk assessment for training program design*. Paper presented at the Health and Safety Symposium at the Fall Meeting of the Society for Mining, Metallurgy, and Exploration,, American Institute for Mining, Metallurgical and Petroleum Engineers, Albuquerque, New Mexico, October 1985.

With J. D. Bennett. *Loss control surveillance system*. Paper presented at the Fall Meeting of the Society of Mining Engineers, American Institute for Mining, Metallurgical and Petroleum Engineers, Albuquerque, New Mexico, October 1985.

*Writing for the Journal of Industrial Teacher Education*. Presented at the Annual Meeting of the American Vocational Association, New Orleans, Louisiana, December 1984.

*Reaction to National Association of Industrial and Teacher Educators membership assessment study*. Presented at the Annual Meeting of the American Vocational Association, New Orleans, Louisiana, December 1984.

With J. D. Bennett. *Potential injury reduction through use of diesel equipment: An analysis of electrical injuries*. Paper presented at the Fall Meeting of the Society for Mining, Metallurgy, and Exploration, American Institute of Mining, Metallurgical, and Petroleum Engineers, Denver, Colorado, October 1984.

With D. A. Mohamed. *Perceptions of student rewards by vocational students and teachers: Implications for action research*. Paper presented at the Annual Meeting of the American Educational Research Association, New Orleans, Louisiana, March 1984.

- With J. D. Bennett. *Empirical research on United States underground bituminous coal mine safety: Implications for engineering and training research*. Paper presented at the Congress on Mining and Mineral Engineering, Barcelona, Spain, May 1984.
- With J. D. Bennett. *Multinomial logit analysis of the severity of injuries in U.S. underground bituminous coal mines 1975–1981*. Paper presented at the Annual Meeting of the American Institute of Mining, Metallurgical, and Petroleum Engineers, Los Angeles, California, February 1984.
- With D. Anderson. *Educating for work in a high-tech society*. Paper presented at the Annual Meeting of the American Educational Research Association, Montreal, Canada, March 1983.
- With U. Ay, S. Rockel, B. Wade, & J. Wise. *Employment conditions of youths whose use of English is limited*. Paper presented at the Annual Meeting of the American Educational Research Association, Montreal, Canada, March 1983.
- With U. Ay, S. Rockel, B. Wade, & J. Wise. *Health and youth employment*. Paper presented at the Annual Meeting of the American Educational Research Association, Montreal, Canada, March 1983.
- Technical issues in measurement*. Paper presented at the Annual Meeting of the National Council on Measurement in Education, Montreal, Canada, March 1983.
- With D. Anderson & C. Yuen. *The role of personal computers in vocational education*. Paper presented in symposium (R. Harris, Chm.) on *Microcomputers in vocational education: Research directions* at Annual Meeting of the American Educational Research Association, Montreal, Canada, March 1983.
- With P. Blake. *Measuring youth underemployment*. Paper presented at the Annual Meeting of the American Educational Research Association, Montreal, Canada, March 1983.
- With U. Ay, S. Rockel, B. Wade, & J. Wise. *Employment of limited English users*. Paper presented at the Annual Meeting of the American Vocational Association, St. Louis, Missouri, December 1982.
- Chances of previous work experience*. Paper presented at the Annual Meeting of the American Educational Research Association, New York City, March 1982.
- Analysis and reporting of vocational education research*. Paper presented at the Annual Meeting of the American Educational Research Association, Los Angeles, California, April 1981.
- Implications of youth joblessness for vocational education*. Paper presented at the Annual Meeting of the American Educational Research Association, Los Angeles, California, April 1981.
- Chances of job loss among unemployed teenagers and young adults*. Paper presented at the Annual Meeting of the American Vocational Association, Atlanta, Georgia, December 1981. (see <http://www.eric.ed.gov/PDFS/ED190858.pdf> )
- Ethnographic methodologies*. Paper presented at the Annual Meeting of the American Vocational Association, Atlanta, Georgia, December 1981, ERIC Document Reproduction Service Number ED 208 214. (see <http://www.eric.ed.gov/PDFS/ED208214.pdf>)
- With R. A. Swanson. *Personal career development plan for graduate students*. Paper presented at the Tenth International Meeting of the American Industrial Arts Association, Pittsburgh, Pennsylvania, March 1981.
- With M. Marron, D. Grant, & W. Welsh. *Preliminary analysis of extent and patterns of labor mobility in young deaf adults*. Paper presented at the Annual Meeting of the Alexander Graham Bell Association, Houston, Texas, June 1980.
- With M. Marron, D. Grant, & W. Welsh. *Graduate follow-up at the National Technical Institute for the Deaf*. Paper presented at the Annual Meeting of the Alexander Graham Bell Association, Houston, Texas, June 1980.
- With W. Welsh, & D. Grant. *A study of labor force, educational and related activities of graduates of the National Technical Institute for the Deaf*. Paper presented at the Annual Meeting of the American Educational Research Association, Boston, Massachusetts, April 1980.
- With J. Streichler. *Why the curriculum does not change*. Paper presented at the Annual Meeting of the American Industrial Arts Association, St. Louis, Missouri, April 1980.
- Vocational and educational implications of deafness*. Paper presented at the Annual Meeting of the American Vocational Association, New Orleans, Louisiana, December 1980.

*Estimating and correcting non-response bias in vocational student follow-up surveys.* Paper presented at the Annual Meeting of the American Vocational Association, New Orleans, Louisiana, December 1980.

*Will there be jobs for bookkeeping graduates in the 1980's?* Paper presented at the Annual Meeting of the American Vocational Association, New Orleans, Louisiana, December 1980.

With J. Streichler. *Implementing innovative industrial arts programs—Identifying and surmounting the barriers.* Paper presented at the Annual Meeting of the American Vocational Association, New Orleans, Louisiana, December 1980.

With K. Frisina. *The use of interindustry analysis in the planning of education for work.* Paper presented to the Special Interest Group in Vocational-Technical Education at the Annual Meeting of the American Educational Research Association, San Francisco, California, April 1979.

With L. Chung, M. Marron, A. Van Ginkle & W. Welsh. *Handicapped students.* Symposium presented at the Annual Forum of the American Institutional Research Association, San Diego, California, May 1979.

*Analysis of subject matter.* Paper presented at the annual meeting of the American Vocational Association, Anaheim, California, December 1979.

With W. Welsh, L. Chung & F. Wilson. *An innovative approach to the analysis of student flow from college entry to post-graduate placement.* Paper presented at the Annual Meeting of the American Educational Research Association, Toronto, March 1978.

With M. Marron. *Estimation of net occupational supply.* Paper presented to the Special Interest Group in Vocational-Technical Education at the Annual Meeting of the American Educational Research Association, Toronto, March 1978.

*National employment outlook for bookkeepers.* Paper presented to the Special Interest Group in Research in Business Education at the Annual Meeting of the American Educational Research Association, Toronto, March 1978.

Participant in *Measurement models for the future: A review of latent trait models, technical developments, and applications.* Symposium presented at the Annual Meeting of the American Educational Research Association, New York, New York, April 1977.

With R. Cooke & E. Chase. *Review and critique of evaluations of career education products.* Paper presented at the annual meeting of the American Educational Research Association, Washington, DC, March 1975.

*Policy implications of Inequality for career education.* Paper presented at the Fourth International Conference of the American Industrial Arts Association, Cincinnati, Ohio, March 1975.

*Graduate schooling in a corporate state.* A paper presented in the symposium (J. Streichler, Chm.), *Graduate education—Essentials for development in industrial arts* at the Fourth International Meeting of the American Industrial Arts Association, Cincinnati, Ohio, March 1975.

*Validation of learning hierarchies for objective-based instructional systems.* Paper presented at a symposium on *Recent developments in criterion-referenced assessment* sponsored by the Psychometric Society at the annual meeting of the American Psychological Association, New Orleans, Louisiana, August 1974, ERIC Document Reproduction Service Number ED 099 419.

*The implications of the Rasch simple logistic measurement model for individually-tailored testing in medical education.* Paper presented at the annual meeting of the American Education Research Association, Chicago, Illinois, April 1974.

*Application of a futuristic measurement model to the National League for Nursing Achievement Test in normal nutrition.* Paper presented at the International Meeting of the National League for Nursing, Minneapolis, Minnesota, May 1973.

With B. B. Smith, J. Moss & G. Copa. *Project IMPROVE: Developing and testing a state system for evaluating vocational education programs.* Paper presented at the annual meeting of the American Vocational Association, Portland, Oregon, December 1971, ERIC Document Reproduction Service Number ED 077 946.

## AT REGIONAL MEETINGS

- Student labor force metrics before, during, and after employment: Uses of administrative data links.* Presentation to Provost of Penn State University, University Park, Pennsylvania, March 2017. <https://doi.org/10.6084/m9.figshare.4762297>
- With R. M. Baker. *Immigration counts.* Workshop presented to the Committee on Social Justice, Port Matilda, Pennsylvania, October 2016. Slides available at <http://www.slideshare.net/davidpassmore/immigration-counts>.
- With R. M. Baker. *Immigration anguish.* Workshop presented at the Osher Lifelong Learning Institute at Penn State, State College, Pennsylvania, October, 2016. Slides available at <http://www.slideshare.net/davidpassmore/immigration-anguish>
- Who is poor?* Workshop presented to the Committee on Social Justice, Port Matilda, Pennsylvania, January 2016. Slides available at <http://www.slideshare.net/davidpassmore/who-is-poor>
- With R. M. Baker. *How the unemployed are counted.* Workshop presented at the Osher Lifelong Learning Institute at Penn State, State College, Pennsylvania, October 30, 2015. Slides available at <http://www.slideshare.net/davidpassmore/how-are-the-unemployed-counted>.
- With R. M. Baker. *Birds do it, bees do it: The birth of jobs and income.* Presentation at 2014 Pennsylvania Workforce Investment Board Symposium, University Park, Pennsylvania, October 15, 2014.
- With R. M. Baker. *Sex life of the economy: Where jobs and income come from.* Workshop presented at the Osher Lifelong Learning Institute at Penn State, State College, Pennsylvania, October 8, 2014.
- With R. M. Baker, C. Chae, I. Fu, & W. Donahue. *Hybrid course design.* Presented at 2014 Symposium for Teaching and Learning with Technology, University Park, Pennsylvania, March 22, 2014.
- With R. M. Baker & I. Fu. *Monetizing MOOCs.* Paper presented at the 44th Annual Meeting of the Northeastern Educational Research Association, Rocky Hill, Connecticut, October 24, 2013.
- With R.M. Baker. *Workforce development and Marcellus Shale: Emerging needs.* Presentation at conference, “Understanding & Preparing for Marcellus Shale Impacts in Your District,” sponsored by the Pennsylvania School Study Council, University Park, Pennsylvania, March 15, 2012.
- With R.M. Baker. *Marcellus Shale: Jobs and the Pennsylvania economy.* Presentation at 2011 Pennsylvania Workforce Investment Board Symposium, University Park, Pennsylvania, August 18, 2011.
- With K. Jeon & A. Kern. *Employment status: The relative impact of race, gender, high school curriculum, and special needs education.* Presentation at 2010 Pennsylvania Career and Technology Education Conference, Lancaster, Pennsylvania, June 28, 2010.
- With R.M. Baker & K. Jeon. *Offshoring Pennsylvania jobs: What Are the risks?* Presentation at 2010 Pennsylvania Workforce Investment Board Symposium, University Park, Pennsylvania, June 17, 2010.
- With R.M. Baker. *What makes a job green?* Presentation at 2009 Pennsylvania Workforce Investment Board Symposium, University Park, Pennsylvania, June 9, 2009.
- With R.M. Baker. *Cutting edge economic techniques for assessing regional innovations.* Presentation at 2008 PA WIB Symposium—Building an Innovation System for Pennsylvania: Industry Clusters as a Driver for Planning in Workforce Development, Education, and Economic Development, University Park, Pennsylvania, June 25, 2008.
- With R.M. Baker, J. Blasdell, & D. Conway. *Using data for decision-making.* Continuing Education Professional Development Conference, University Park, Pennsylvania, May 6, 2008.
- With R.M. Baker, J. Chambers, & P. Wulforst. *Bio- and alternative energy: Community considerations.* Presentation to the 86th Annual Conference of the Pennsylvania State Association of Township Supervisors, Hershey, Pennsylvania, May 2008.
- With R.M. Baker, W. Figurelle, T. Franklin, M. Lawrence, & D. Masisak. *Increasing global competitiveness in powdered metallurgy part manufacturing in north central Pennsylvania.* Presentation to Economic Development Administration, Philadelphia, Pennsylvania, March 2008.

- With R.M. Baker. *Working close apart: Web 2.0 tools for collaboration and cooperation*. Presented at Living the Vision of a Student-Centered University Conference, University Park, Pennsylvania, November 2007.
- With R.M. Baker, M. Lawrence, & M. Loiacono. *Job, income, and tax effects of agri-energy activity in Pennsylvania communities*. Presented at the 2007 Penn State Agri-Energy Extension In-Service, University Park, Pennsylvania, November 2007.
- With R.M. Baker. *Performance and competitiveness of the Pennsylvania economy*. Presented at Regional Economic Modeling Seminar, Harrisburg, Pennsylvania, August, 2007.
- With R.M. Baker. *Penn State's role in economic, workforce, and community development*. Presented to the National Surface Warfare Center, University Park, Pennsylvania, July 2007.
- With R.M. Baker. *Labor market for long-term care in Bucks and Montgomery counties*. Presented to Bucks County Long Term Care Consortium, Levittown, Pennsylvania, July 2007.
- With R.M. Baker. *Creating a snapshot of your local economy and workforce*. Paper presented at the Annual Meeting of the Pennsylvania Association of Workforce Investment Boards, University Park, Pennsylvania, June 2007.
- With R.M. Baker. *Methods for analyzing regional workforces*. Paper presented at the Annual Meeting of the Pennsylvania Association of Workforce Investment Boards, University Park, Pennsylvania, June 2007.
- With R.M. Baker. *Capabilities and opportunities in economic and workforce development*. Paper presented at Delta Development Corporation seminar, Mechanicsburg, Pennsylvania, May 2007.
- With R.M. Baker. *mmm, del.icio.us: Social bookmarking in instruction and research*. Presented at the Penn State Symposium for Teaching and Learning with Technology: A Symposium of Faculty Excellence, University Park, Pennsylvania, April 2007. (see related interview on *iTunes* by navigating to <http://SocialCompItunes.notlong.com>)
- With N. Sherwani. *The determinants of school teachers' retention and attrition: An analysis of the public school system*. Paper presented at the Annual Meeting of the Northeastern Educational Research Association, Kerhonkson, New York, October 2006.
- With R.M. Baker. *Nuts and bolts of your regional economy*. Presented to Duquesne Power and Light Company, Monaca, Pennsylvania, August 2006. (Also presented at Penn State University, University Park, Pennsylvania, October 2005)
- With R.M. Baker. *Wikis in instruction*. Presented at the Penn State Symposium for Teaching and Learning with Technology: A Symposium of Faculty Excellence, University Park, Pennsylvania, April 2006.
- With R.M. Baker. *Data analysis in workforce education and development: An example in design of blended learning*. Presentation at Exploring Blended Learning Symposium, University Park, Pennsylvania, January 2006.
- With R.M. Baker. *New labor market information for planning school-to-career programs*. Paper presented at the 14<sup>th</sup> Annual Conference on Integrated Learning: The School-To-Career Connection, University Park, Pennsylvania, November 2005.
- With R.M. Baker. *Employment in Pennsylvania health care and service occupations conditional on two national health care spending scenarios: A structural economic simulation*. Invited presentation at the REMI Seminar on Economic Modeling and Policy Analysis, Camp Hill, Pennsylvania, November 2005.
- With R.M. Baker, S. Jin, Y. Kim, and H. Lu. *Use of labor force dynamics for planning and evaluating school-to-work programs*. Paper presented at the Annual Meeting of the Northeastern Educational Research Association, Kerhonkson, New York, October 2005.
- With R.M. Baker. *Using new information about the dynamics of labor markets for planning local workforce development*. Paper presented at Building a Demand-Driven Innovation System in Pennsylvania: A Symposium for Planners in Workforce Development, Education, and Economic Development sponsored by the Pennsylvania Association of Workforce Investment Boards, State College, Pennsylvania, June 2005.

- With R.M. Baker. *Integrating media into ANGEL: Use of podcasts*. Presentation at ANGEL III Day: A symposium of faculty excellence, University Park, Pennsylvania, May, 2005.
- With Y. Chen & W. Wang. *Faculty development: Assessing training needs for faculty at Transworld Institute of Technology in Taiwan*. Paper presented at the Annual Meeting of the Northeastern Educational Research Association, Kerhonkson, New York, October 2004.
- With Lin, J. *Evaluation of the ANGEL Course Management System at Penn State University*. Paper presented at the Annual Meeting of the Northeastern Educational Research Association, Kerhonkson, New York, October 2004.
- With W. Yu. *Assessing the consequences of school-based learning programs*. Paper presented at the Annual Meeting of the Northeastern Educational Research Association, Kerhonkson, New York, October 2004.
- With T. Lopes. *Evidence of self-organizing systems for learning in on-line communities*. Paper presented at the Annual Meeting of the Northeastern Educational Research Association, Kerhonkson, New York, October 2004.
- With. E. D. Cebeci & W. Wang. *Markets to support educational decision-making*. Paper presented at the Annual Meeting of the Northeastern Educational Research Association, Kerhonkson, New York, October 2004.
- The sex life of the Pennsylvania economy*. Paper presented at the Annual Summer Conference of the Pennsylvania Association of Vocational Administrators, University Park, Pennsylvania, July 2004.
- Social accounting information that supports industry cluster analysis*. Paper presented at a symposium, *Using Industry Cluster Analysis to Focus Public Sector Investment: The Third Annual Workshop for Planners in Workforce Development, Education, and Economic Development*. Sponsored by the Pennsylvania Association of Workforce Investment Boards, State College, Pennsylvania, June 2004.
- With J. Campbell, Fantaske, P, Halm, M., Khayat, R., and C. Vinten-Johansen. *Content management with Zope*. Paper presented at Web 2004, University Park, Pennsylvania, June 2004.
- With E.D. Cebeci. *A critical analysis of blended learning*. Pennsylvania Educational Technology Conference & Expo, Hershey, Pennsylvania, February 2004.
- With Y. Chen, W. Yu, C. Lin. *Work experience, and educational level and wage rates among young people in the United States*. Paper presented at the Annual Meeting of the Northeastern Educational Research Association, Kerhonkson, New York, October 2003.
- With Y. Chen, J. Okou, W. Yu., & C Lin. *Variations in participation in school-based learning of career skills Among U.S. Youth*. Paper presented at the Annual Meeting of the Northeastern Educational Research Association, Kerhonkson, New York, October 2003.
- With E. Cebeci & Y. Chen. *Blending ANGEL with CD-ROM delivery and classroom workshops*. Paper presented at ANGEL Day: A Symposium of Faculty Examples, University Park, Pennsylvania, May 2003.
- With C. Lin, Y. Chen, T. Bevans-Gonzales, M. Brna, & E. Cebeci. *Contributions of literacy to employment: Theoretical perspective and preliminary estimates*. Paper presented at the 6<sup>th</sup> Pennsylvania Adult & Continuing Education Research Conference, Harrisburg, Pennsylvania, March 2003.
- With A. Passmore. *Graduate student advising support system*. 6th Annual Symposium on Teaching & Learning with Technology, University Park, Pennsylvania, April 1998.
- With A. Mohamed. *Reducing teen births in Pennsylvania: What are the economic stakes?* Presentation at the conference, "Teen Pregnancy: An issue for everyone," University Park, Pennsylvania, November 1997.
- How technology will change how we work and do business*. 1997 Pennsylvania Business Technology Conference, University Park, Pennsylvania, October, 1997.
- With D. Pistner & R. Montgomery. *Emerging workforce development initiatives in Pennsylvania*. Presented at the 1997 Fall Conference of the Pennsylvania Economic Development Association, University Park, Pennsylvania, October 1997.
- With J. Wall, C. Pellock, & H. Tucker. *Lack of technical skills slows economic development*. Paper presented at Pennsylvania Partners 1997 Conference, Harrisburg, Pennsylvania, May 1997.



With J. Wall, C. Pellock, & H. Tucker. *Opportunities lost: How much are technical skills worth to a community?* Paper presented at the Annual Meeting of the Pennsylvania School Counselors Association, Pittsburgh, Pennsylvania, April 1997.

*Using the world-wide web in training.* Workshop delivered to Management Development faculty in Continuing and Distance Education at The Pennsylvania State University, University Park, Pennsylvania, March 1997.

*Improved career decision-making.* Pre-conference workshop at a career development conference, "Preparing Students and Adults for a Changing Economy," Sponsored by the Bureau of Vocational-Technical Education of the Pennsylvania Department of Education and the Pennsylvania Department of Labor and Industry, Camp Hill, Pennsylvania, May 1997.

With J. Wall, C. Pellock, & H. Tucker. *Lack of technical skills slows economic development.* Paper presented at the 1997 Pennsylvania Partners Conference, Harrisburg, Pennsylvania, May 1997.

*The world-wide web and its use in training.* Presentation to the Nittany Valley Chapter of the American Society for Training and Development, State College, Pennsylvania, April 1997.

With C. Pellock, H. Tucker, M.R. Mohamood, & W.A. Wan Mohamed. *Education's role and stakes in reducing Pennsylvania's adolescent birth rates.* Paper presented at the Annual Meeting of the Northeastern Educational Research Organization, Portsmouth, New Hampshire, April 1996.

With C. Pellock, H. Tucker, M.R. Mohamood, & W.A. Wan Mohamed. *Employment prospects and educational implications for Pennsylvania cosmetologists.* Paper presented at the Annual Meeting of the Northeastern Educational Research Organization, Portsmouth, New Hampshire, April 1996.

*Integrating the Internet into instruction.* Presented at a meeting of the Central Pennsylvania Association of Educational Communications and Technology, University Park, Pennsylvania, March 1996.

With C. Pellock, H. Tucker, M.R. Mohamood, & W.A. Wan Mohamed. *Reducing adolescent birth rates in Pennsylvania: The role and economic stakes for education.* Paper presented at the Annual Meeting of the Eastern Educational Research Association, Cambridge, Massachusetts, February 1996.

With C. Pellock, H. Tucker, M.R. Mohamood, & W.A. Wan Mohamed. *Employment forecasts for cosmetologists in Pennsylvania: Implications for vocational education policy implementation, economics, and work.* Paper presented at the Annual Meeting of the Eastern Educational Research Association, Cambridge, Massachusetts, February 1996.

*Regional economic modeling.* Presentation to the Greater Johnstown Area Committee, Johnstown, Pennsylvania, November 1995.

With P. S. Cookson & J.P. Lawrence. *Non-participation of nurses in sponsored continuing professional education: An empirical test of the ISSTAL model.* Paper presented at the Midwest Research-to-Practice Conference in Adult, Continuing, and Community Education, National University, Wheaton, Illinois, October 1995.

*Demographics of the Pennsylvania workplace.* Presented at Vocational Administrators and Directors Academy, University Park, Pennsylvania, May 1995.

*The rhetoric and reality of interactive video: Reality perspective.* Presented at Distance Learning Technology Conference sponsored by the Northern Tier Rural Distance Learning Consortium, Mt. Pocono, Pennsylvania, May 1995.

With M. Butler, N. Palladino, & C. Sanogo. *Is use of public funds for cosmetology occupations training justified?* Paper presented at the Pennsylvania Vocational Education Conference, Seven Springs, Pennsylvania, June 1994.

With W. Anderson. *Linking school reform and the economy in Pennsylvania.* Paper presented at the 1994 Meeting of the Pennsylvania Educational Research Association, University Park, Pennsylvania, May 1994.

*Pennsylvania manufacturing: Retrospect and prospect.* Paper presented at a meeting of the Pennsylvania Manufacturing Association, Harrisburg, Pennsylvania, February 1994.

*Potential for research on the economic impact of Pennsylvania highway construction and use.* Paper presented at the Annual Meeting of the Pennsylvania Highway Information Association, Harrisburg, Pennsylvania, February 1994.

*Design of a study of Pennsylvania manufacturing performance and competitiveness.* Paper presented at a meeting of the Pennsylvania Manufacturing Association, Harrisburg, Pennsylvania, December 1993.

With M. Passmore, C. Sleezer, & J. Wise. *The U.S. market for education and training products and services.* Paper presented at the Annual Meeting of the Northeastern Educational Research Association, Ellenville, New York, October 1993.

With W. Anderson & J. Li. *Improving Pennsylvania's competitive edge through education: A policy simulation of economic outcomes of education.* Paper presented at the Annual Meeting of the Northeastern Educational Research Association, Ellenville, New York, October 1993.

*Labor market competitiveness of special populations.* Paper presented at the Annual Meeting of the Northeastern Educational Research Association, Ellenville, New York, October 1993.

With S. Brown & L. Schmelkin. *Reinventing graduate education: Report of an electronic symposium.* Symposium presented at the Annual Meeting of the Northeastern Educational Research Association, Ellenville, New York, October 1993.

*What are the economic stakes for improving Pennsylvania's competitive edge through education?* Paper presented at the Pennsylvania Vocational Education Conference, Mount Pocono, Pennsylvania, June 1993.

With C. Sleezer. *Assessing education needs in the workplace: A case study.* Paper presented at the 1992 Rocky Mountain Educational Research Association Fall Conference, Stillwater, Oklahoma, October 1992.

With C. Sleezer. *An analysis of the education and training market within the United States.* Paper presented at the Annual Meeting of the University Council for Research in Human Resource Development, Austin, TX, October 1992.

*Expectations for entry-level workers: What employers say they want.* Paper presented at the 1992 Meeting of the Northeastern Educational Research Association, Ellenville, New York, October 1992.

*Assessing professional development needs.* Paper presented at the Pennsylvania Vocational Education Conference, Seven Springs, Pennsylvania, June 1992.

With C. Sleezer. *The first step in implementing participative management: Assessing performance needs.* Paper presented at the Annual Meeting of the National Society for Performance Improvement, Chicago, Illinois, March 1992.

With B. Silvis. *Using audio teleconferencing productively.* Paper presented at the 1991 Meeting of Region II of the American Society for Training and Development, Philadelphia, Pennsylvania, October 1991.

With B. Silvis. *Determining workforce literacy needs.* Paper presented at the 1991 Meeting of Region II of the American Society for Training and Development, Philadelphia, Pennsylvania, October 1991.

With G. Pewewardy & D.A. Mohamed. *American Indians, vocational education, employment, and income.* Paper presented at the 1991 Meeting of the Northeastern Educational Research Association, Ellenville, New York, October 1991.

With M. Baber, R. Paine, & D. Mohamed. *Epidemiology of work injuries among former participants in vocational education.* Paper presented at the 1991 Meeting of the Northeastern Educational Research Association, Ellenville, New York, October 1991. (see <http://www.eric.ed.gov/PDFS/ED341827.pdf>)

With T. Garcia, B. Silvis, & D. Mohamed. *Workforce literacy and the economy.* Paper presented at the Annual Meeting of the Northeastern Educational Research Association, Ellenville, New York, November 1990, ERIC Document Reproduction Service Number ED 326 671. (see also <http://www.eric.ed.gov/PDFS/ED326671.pdf>)

With K. Gray. *Quantitative historical research regarding correlates of high school vocational education enrollments: 1917–1975.* Paper presented at the Annual Meeting of the Northeastern Educational Research Association, Ellenville, New York, November 1989.

*Epidemiology of school injuries.* Paper presented at the Annual Meeting of the Northeastern Educational Research Association, Ellenville, New York, November 1989.

With D. Wang. *Labor market influences of vocational education*. Paper presented at the Annual Meeting of the Northeastern Educational Research Association, Ellenville, New York, November 1989.

*Training for injury control among underground miners: Implications from analysis of injury hosts, agents, vectors, and vehicles*. Paper presented at the 1989 Conference of the New England Educational Research Association, Portsmouth, New Hampshire, April 1989.

With S.S. Gallagher & B. Guyer. *Injuries at school: Epidemiology and prevention*. Paper presented at the 1989 Conference of the New England Educational Research Association, Portsmouth, New Hampshire, April 1989.

With N.K. Olsen, & D. Wang. *Labor supply theory and outcomes of education for work*. Paper presented at the Annual Meeting of the Northeastern Educational Research Association, Ellenville, New York, November 1988.

*Production, consumption, and employment: Implications for planning education for work*. Paper presented at the Annual Meeting of the Northeastern Educational Research Association, Ellenville, New York, November 1988.

With N.K. Olsen & J. Patrick. *Employment characteristics of young GED recipients*. Paper presented at the Annual Meeting of the Northeastern Educational Research Association, Ellenville, New York, November 1988.

*Human dignity in the face of new technologies*. In J. Walker (Chair), *Social responsibility in the engineering fields: An analysis of biotechnology and its social and societal implications*. Symposium conducted at the 1987 Leaders of the Future National Engineering Conference, State College, Pennsylvania, March 1987.

With P. Blake. *Measurement of participation in vocational education: A confirmatory factor analysis model*. Paper presented at the 1986 Mid–Western Educational Research Association Convention, Chicago, Illinois, October 1986.

*Problems and issues in the protection of human research subjects*. Paper presented at the Annual Meeting of the Eastern Educational Association, Virginia Beach, Virginia, February 1985.

*Item context effects and attitude scaling issues*. Paper presented at the Annual Meeting of the Eastern Educational Research Association, Virginia Beach, Virginia, February 1985.

With D. Mohamed. *Applications of logistic regression to survey research*. Paper presented at the Annual Meeting of the Northeastern Educational Research Association, Ellenville, New York, October 1983.

*Consequences of youth joblessness: A review*. Paper presented at the Tri–State Educational Research Conference, Philadelphia, Pennsylvania, May 1983.

*Causes of youth employment problems: A review of the evidence*. Paper presented at the Annual Meeting of the Pennsylvania and New Jersey Educational Research Associations, Philadelphia, Pennsylvania, May 1982.

With M. Marron. *Relationship between accreditation status and hourly wages of medical record technicians*. Paper presented at the Annual Meeting of the Northeastern Educational Research Association, Ellenville, New York, October 1981, ERIC Document Service Reproduction Number ED 208 215. (see <http://www.eric.ed.gov/PDFS/ED208215.pdf>)

With F. Welch. *Chances of preference for full–time work among unemployed youth*. Paper presented at the Annual Meeting of the Northeastern Educational Research Association, Ellenville, New York, October 1981, ERIC Document Service Reproduction Number ED 208 216. (see <http://www.eric.ed.gov/PDFS/ED208216.pdf>)

*What can vocational education do about youth joblessness?* Paper presented at the Pennsylvania Vocational Education Conference, Lancaster, Pennsylvania, June 1981.

With M. Marron. *Stating expected employment outcomes of occupational programs: A case study*. Paper presented at the Annual Meeting of the Eastern Educational Research Association, Philadelphia, Pennsylvania, March 1981. (see <http://www.eric.ed.gov/PDFS/ED203133.pdf>)

*Characteristics of jobless youth*. Paper presented at the Annual Meeting of the Northeastern Educational Research Association, Ellenville, New York, October 1980.

*Education of young deaf adults for work.* Paper presented at the Pennsylvania Vocational Education Conference, Champion, Pennsylvania, June 1980.

With W. Welsh. *A generalized dissemination methodology for education.* Paper presented at the Annual Meeting of the Eastern Educational Research Association, Williamsburg, Virginia, March 1978.

With W. A. Welsh, L. Chung & F. Wilson. *The analysis of student flow from college entry to post-graduate placement.* Paper presented at the Annual Meeting of the Eastern Educational Research Association, Williamsburg, Virginia, March 1978.

*New measurement models for computer-managed testing.* Paper presented at the Sixth Annual Rochester Area Colleges Conference on Computers and Instruction, University of Rochester, Rochester, New York, March 1978.

With M. Marron, J. Seligman & F. Wilson. *Industries, occupations, and work functions entered by a convenience sample of graduates of the National Technical Institute for the Deaf.* Paper presented at the Annual Meeting of the Eastern Educational Research Organization, Williamsburg, Virginia, March 1978.

With M. Marron, J. Seligman & F. Wilson. *Industries, occupations, and work functions entered by young deaf adults* Paper presented at Annual Conference of the New York State Sociological Association, Rochester, New York, November 1977).

With K. Martin. *The national employment outlook for bookkeepers.* Paper presented at the Second Annual NTID Mini-Convention, Rochester, New York, May 1977.

*The NTID graduate feedback system.* Paper presented at the Second Annual NTID Mini-Convention, Rochester, New York, May 1977.

*The limits to career education reform: Four essays.* Paper presented at the Annual Conference of the New York State Sociological Association, Rochester, New York, November 1977.

*Bookkeeping employment through 1985: A case study of planning educational programs for employment outcomes.* Paper presented at the Annual Fall Faculty Day of the Rochester Institute of Technology, Rochester, New York, September 1977.

*Measuring employment outcomes of the National Technical Institute for the Deaf.* Paper presented at the Annual Fall Faculty Day of the Rochester Institute of Technology, Rochester, New York, September 1977.

*Delineation of information needs for the formative evaluation of educational products.* Paper presented at the annual meeting of the New England Educational Research Organization, Provincetown, Massachusetts, May 1975.

*Sequencing learning events in performance-based instructional systems.* Paper presented at the Fifth Annual Meeting of the Rocky Mountain Educational Research Association, Albuquerque, New Mexico, November 1974, ERIC Document Reproduction Service Number ED 103 442. (see <http://www.eric.ed.gov/PDFS/ED103442.pdf>)

## FUNDED PROJECTS

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2014

Project Co-Director with R.M. Baker. *Social networks supporting business development in Centre County.* Contract between the Centre County Industrial Development Corporation and the Institute for Training and Development Research, Penn State College of Education, \$20,000.

2013

Project Co-Director with R.M. Baker. *National and regional economic impacts of general aviation in the United States.* Contract between the Aircraft Operators and Pilots Association and the Institute for Training and Development Research, Penn State College of Education, \$133,000.

2011

Project Co-Director with R.M. Baker. *Economic impact of Liberty Bell Motorsports Park and Campground*. Memorandum of Agreement between Liberty Bell Motorsports Park and Campground and the Office of Public Partnerships and Engagement, Penn State Outreach, \$10,000.

Project Co-Director with R.M. Baker. *Economic impact of table egg production in Pennsylvania*. Memorandum of Agreement between the College of Agricultural Sciences, Poultry Science Department and the Center for Regional Economic and Workforce Analysis, Office of Public Partnerships and Engagement, Penn State Outreach, \$8,000.

2010

Project Co-Director with R.M. Baker. *Blair County's competitive economic advantage*. Memorandum of Agreement between the Altoona Blair County Development Corporation and the Center for Regional Economic and Workforce Analysis, Office of Public Partnerships and Engagement, Penn State Outreach, \$1,000.

Project Co-Director with R.M. Baker. *Labor market analysis in support of litigation defense*. Memorandum of Agreement between Campbell Durrant Beatty Palombo & Miller PC and the Center for Regional Economic and Workforce Analysis, Office of Public Partnerships and Engagement, Penn State Outreach, \$1,500.

Project Co-Director with R.M. Baker. *Cumberland county demographics, county projections by age, and market segmentation of residents and their families*. Memorandum of Agreement between the Claremont Nursing Home and Rehabilitation Center and the Center for Regional Economic and Workforce Analysis, Office of Public Partnerships and Engagement, Penn State Outreach, \$5,000.

Project Associate. *The GridSTAR Center (Smart Grid Training Application Resource Center)*. Contract between the U.S. Department of Energy and the Penn State Center for Sustainability (\$5,000,000 total for contract), \$110,000.

2009

Project Associate. *Energy workforce trends and training requirements*. Memorandum of Agreement between the Regional Technologies Services, Inc., (RTS) and the Center for Regional Economic and Workforce Analysis, Office of Economic and Workforce Development, within an RTS contract (\$150,000) with the Appalachian Regional Commission, \$31,000.

Project Co-Director with R.M. Baker. *Research and assessment of the transition path for health sciences careers*. Memorandum of Agreement between the Life Science Career Alliance and the Center for Regional Economic and Workforce Analysis, Office of Economic and Workforce Development, Penn State Outreach, \$22,000.

Project Co-Director with R.M. Baker. *Analysis of the powdered metallurgy part manufacturing industry in northcentral Pennsylvania*. Memorandum of Agreement between North Central Pennsylvania Regional Planning and Development Commission and Center for Regional Economic and Workforce Analysis, Office of Economic and Workforce Development, Penn State Outreach, \$100,000.

Project Co-Director with R.M. Baker. *Development of the Center for Labor Market Research and Recruitment*. Memorandum of Agreement between Worldclass Industrial Networks and the Center for Regional Economic and Workforce Analysis within contracts with Hillman Foundation, Benedum Foundation, and Mellon of New York Foundation, \$350,000.

2008

Project Co-Director with R.M. Baker. *Estimation of economic impact of Cheswicke Town Centre in East Hempfield, Pennsylvania*. Memorandum of Agreement between Clark Resources and the Center for Regional Economic and Workforce Analysis, Office of Economic and Workforce Development, Penn State Outreach, \$9,000.

Project Co-Director with R.M. Baker. *Analysis of the impact of the construction of a natural gas pipeline in Southern Pennsylvania by Dominion Transmission, Inc.* Memorandum of Agreement between Dominion Gas and the Center for Regional Economic and Workforce Analysis, Office of Economic and Workforce Development, Penn State Outreach, \$5,000.

Project Co-Director with R.M. Baker. *Estimation of economic impact of the Pennsylvania Association for the Blind*. Memorandum of Agreement between Pennsylvania Association for the Blind and

the Center for Regional Economic and Workforce Analysis, Office of Economic and Workforce Development, Penn State Outreach, \$3,000.

Project Co-Director with R.M. Baker. *Calculations of regional economic impact of construction of electricity line transmission in eastern Pennsylvania*. Memorandum of Agreement between PPL Corporation and Workforce Assessment Center, Office of Economic and Workforce Development, Penn State Outreach, \$3,000.

Project Co-Director with R.M. Baker. *Economic, demographic, and workforce analysis and professional development for western Pennsylvania Workforce Investment Boards*. Memorandum of Agreement between Penn State Electro-Optics Center and Workforce Assessment Center, Office of Economic and Workforce Development, Penn State Outreach, \$50,000.

Project Co-Director with R.M. Baker. *Analysis of the economic impact of RDIF devices*. Memorandum of Agreement between Penn State Electro-Optics Center and Workforce Assessment Center, Office of Economic and Workforce Development, Penn State Outreach, \$50,000.

Project Co-Director with R.M. Baker. *Measuring the economic impact of Pennsylvania youth in transition: An analysis of geocoded longitudinal data about the correlates of secondary school completion in central Pennsylvania*. Memorandum of Agreement between the Central Pennsylvania Workforce Development Corporation and Workforce Assessment Center, Office of Economic and Workforce Development, Penn State Outreach, \$10,000.

Project Co-Director with R.M. Baker. *Measuring the economic impact of Pennsylvania youth in transition: Development of a protocol for merging information from education, training, and social programs in central Pennsylvania with QCEW and wage record reports from the UI program*. Memorandum of Agreement between the Central Pennsylvania Workforce Development Corporation and Workforce Assessment Center, Office of Economic and Workforce Development, Penn State Outreach, \$10,000.

Project Co-Director with R.M. Baker. *Regional economic and workforce information about the energy sector in southwestern Pennsylvania and West Virginia*. Memorandum of Agreement between World Class Industrial Networks and Workforce Assessment Center, Office of Economic and Workforce Development, Penn State Outreach, \$9,000.

2007

Project Co-Director with R.M. Baker. *Analysis of electrical rate cap data for Pennsylvania and United States*. Memorandum of Agreement between Regional Economic Models, Inc. and Workforce Assessment Center, Office of Economic and Workforce Development, Penn State Outreach, \$1,000.

Project Co-Director with R.M. Baker & W. Paletski. *Development of environmental, health, and safety workshops and educational needs assessment for the funeral home sector*. Project through Penn State's Thematic Initiative Fund, \$10,000.

Project Co-Director With R.M. Baker. *Calculations of regional economic indicators for the Greater Upper Perkiomen Valley, Pennsylvania*. Memorandum of Agreement between Delta Development Group and Workforce Assessment Center, Office of Economic and Workforce Development, Penn State Outreach, \$6,000.

Project Co-Director With R.M. Baker. *Calculations of regional economic and demographic indicators for Cranberry Township, Pennsylvania*. Memorandum of Agreement between Delta Development Group and Workforce Assessment Center, Office of Economic and Workforce Development, Penn State Outreach, \$9,000.

Project Co-Director With R.M. Baker. *Forecast of economic, population, and employment consequences of the closing of the Willow Grove Naval Air Station Joint Reserve Base*. Contract from the Montgomery County Workforce Investment Board to the Workforce Assessment Center, Office of Economic and Workforce Development, Penn State Outreach, \$99,698.

Project Associate. *Current and anticipated labor market for long-term care workers in Bucks and Montgomery counties*. Contract from the Bucks County Workforce Investment Board to the Workforce Assessment Center, Office of Economic and Workforce Development, Penn State Outreach, \$40,986.

2006

Project Co-Director With R.M. Baker. *Benchmarking performance and competitiveness of the Pennsylvania plastics industry*, a project within *Pennsylvania plastics initiative: integrating workforce, economic development and education resources for a comprehensive industry response*. Contract from the U.S. Department of Labor, Employment and Training Administration to the Pennsylvania Workforce Investment Board and Penn State University, \$75,000 within a \$4,900,000 contract.

Project Co-Director With R.M. Baker. *Occupational forecasts for Pennsylvania plastics industries*, a project within *Pennsylvania plastics initiative: integrating workforce, economic development and education resources for a comprehensive industry response*. Contract from the U.S. Department of Labor, Employment and Training Administration to the Pennsylvania Workforce Investment Board and Penn State University, \$50,000 within a \$4,900,000 contract.

Project Co-Director With R.M. Baker. *Support for research and development of David L. Passmore and Rose M. Baker related to information markets*. Gift from Human Resource Institute to Management Development Programs & Services, Penn State Outreach, \$5,000.

Project Co-Director With R.M. Baker. *A proposal for professional development presentation at a WEDnet Pennsylvania Training and Development Conference*. Memorandum of Agreement between WEDnet Pennsylvania and Management Development Programs & Services, Penn State Outreach, \$3,000.

FROM 1993 THROUGH 2004

Project Associate, *Professional personnel development center for vocational teacher education*. Contract between the Pennsylvania Department of Education and The Pennsylvania State University, approximately \$1,000,000 per year.

2002

Project Director, *Leadership in national manufacturing skill standards*. Grant-in-Aid from the National Institute for Manufacturing Skills, \$103,549.

1999

Project Associate, *National skills standards for manufacturing implementation project*. Contract between The Pennsylvania State University and Pennsylvania Department of Education, \$146,123.

Project Director, *Support from the National Tooling & Machining Association to Promote Professor David Passmore's Research & Development About Remote Learning Simulation*, Grant-in-Aid from the National Tooling and Machining Association, \$25,000.

1998

Project Director, *Integration of the world-wide web and internet resources into instructional programs at the Greater Altoona Career & Technology Center*, Grant-in-aid from The Greater Altoona Career & Technology Center, \$18,000

1997

Project Associate, *National skills standards for manufacturing implementation project*. Contract between the Pennsylvania Department of Education, Office of School-to-Work Opportunities, and The Pennsylvania State University, \$227,915.

1996

Project Associate, *Link-to-Learn*. Contract between the Pennsylvania Department of Education and the College of Education, Penn State, \$900,000.

Project Director, *Prototype industry web site*. Contract between Elcam, Inc. and The Pennsylvania State University, \$17,500.

Project Director, *Economic impact of Pennsylvania skiing*. Contract between the Northern Economic Planners and Penn State's Institute for Policy Research and Evaluation, \$4,000.

Project Director, *Industry employment projections*. Contract between the Pennsylvania Department of Labor and Industry and Penn State's Institute for Policy Research and Evaluation, \$5,000.

Project Director, *Economic impact of Pennsylvania waste industries*. Contract between the Neimann + May Communications and Penn State's Institute for Policy Research and Evaluation, \$1,500.

1994

Project Director, *Economic history and forecasts for the United States, Pennsylvania, and Franklin County (Pennsylvania)*. Memorandum of agreement between Delta Development Corporation and the Center for Regional Business Analysis, Smeal College of Business Administration, The Pennsylvania State University, \$2,500.

Project Director, *Economic history and forecasts for Fayette County (Pennsylvania)*. Memorandum of agreement between Delta Development Corporation and the Center for Regional Business Analysis, Smeal College of Business Administration, The Pennsylvania State University, \$2,500.

Project Director, *Population projection for Franklin County (Pennsylvania)*. Memorandum of agreement between Delta Development Corporation and the Center for Regional Business Analysis, Smeal College of Business Administration, The Pennsylvania State University, \$2,500.

Project Co-Director (with E. Askov). *Benchmarking progress in literacy skills in Pennsylvania*. Contract between Bureau of Adult Basic and Literacy Education, Pennsylvania Department of Education, and Institute for the Study of Adult Literacy, The Pennsylvania State University, \$21,856.

1993

Project Director, *Economic impact of proposed Pennsylvania vehicle emissions testing program*. Memorandum of agreement between Envirotest Systems Corporation and the Center for Regional Business Analysis, Smeal College of Business Administration, The Pennsylvania State University, \$5,000.

Project Associate, *Woolrich, Inc. continuous improvement training*. Contract between the Ben Franklin Technology Center of Central and Northern Pennsylvania and the Williamsport Continuing Education Center of The Pennsylvania State University, \$351,251.

Project Director, *Economic structure of central and northern Pennsylvania and its sensitivity to national defense expenditures*. Memorandum of agreement between Ben Franklin Technology Center of Central and Northern Pennsylvania, Inc. and the Center for Regional Business Analysis, Smeal College of Business Administration, The Pennsylvania State University, \$10,000.

Project Associate, *Economic impact of low emission vehicle program*. Memorandum of agreement between Pennsylvania Transportation Institute and the Center for Regional Business Analysis, Smeal College of Business Administration, The Pennsylvania State University, \$3,000.

Project Director, *Pennsylvania manufacturing sector: Retrospect and prospect*. Memorandum of agreement between Sun Oil Company and the Center for Regional Business Analysis, Smeal College of Business Administration, The Pennsylvania State University, \$40,200

1992

Project Associate, *Woolrich, Inc. continuous improvement training*. Contract between the Ben Franklin Technology Center of Central and Northern Pennsylvania and the Williamsport Continuing Education Center of The Pennsylvania State University, \$419,081.

1991

Project Associate, *Building capacity in the Institute for Research in Training and Development*. Contract between Ben Franklin Technology Center of Central and Northern Pennsylvania and the College of Education, The Pennsylvania State University, \$241,272.

1990

Project Director, *Development and field-testing of a world-wide computer network in trade and industrial and technology education*. Technical Foundation of America, \$4,794.

1989

Project Director, *Epidemiology of injuries in school shops: A feasibility study*. Biomedical Research Support Grant from the National Institutes of Health to The Pennsylvania State University, \$4,000.

1987

Project Associate, *New miner training*. Contract between Pennsylvania Department of Environmental Services, Office of Deep Mine Safety, and Department of Mineral Engineering, College of Earth and Mineral Sciences, The Pennsylvania State University, \$120,000.



1986

Co-Director with J.D. Bennett, *Coal mine injury analysis: A model for injury reduction through training*. Cooperative agreement between United State Department of Labor, Bureau of Mines, and Department of Mineral Engineering, College of Earth and Mineral Sciences, The Pennsylvania State University, \$1,600,000 (five years).

1985

Project Associate, *Prototype Pennsylvania mine extension program*. Contract between Pennsylvania Department of Environmental Services, Office of Deep Mine Safety, and Department of Mineral Engineering, College of Earth and Mineral Sciences, The Pennsylvania State University, \$115,431.

1982

Project Director, *Implications of recent developments in computer technology for professional development in vocational education*. Contract between the Pennsylvania Department of Education and the Division of Occupational and Vocational Studies, The Pennsylvania State University, \$25,644.

1981

Project Co-Director, *School-to-work transition skills for disadvantaged youth*. Contract between the Pennsylvania Department of Education and the Division of Occupational and Vocational Studies, The Pennsylvania State University, \$29,761.

1980

Project Director, *Characteristics of Unemployed Youth*. Contract between the Division of Occupational and Vocational Studies, The Pennsylvania State University, and the Pennsylvania Research Coordinating Unit for Vocational Education, \$4,941.

Project Director, *Barriers to youth employment*. Contract between the Division of Occupational and Vocational Studies, The Pennsylvania State University, and the Pennsylvania Research Coordinating Unit for Vocational Education, \$11,105.

1974

Project Director, *Leadership and administration in occupational education*. Contract between the Center for Occupational Education, University of Massachusetts, and the Massachusetts Department of Education, \$84,650.

Project Director, *Curriculum review and dissemination workshops on successful alternatives for occupational education program design*. Contract between the Center for Occupational Education, University of Massachusetts, and the Massachusetts Department of Education, \$27,190.

1973

Project Director, *Leadership and administration development-general*. Contract between the Center for Occupational Education, University of Massachusetts, and the Massachusetts Department of Education, \$85,450.

## SERVICE

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### PAID CONSULTING

External Assessor for Universiti Tun Hussein Onn, Malaysia, 2018.

External doctoral degree examiner for the Senate of Universiti Putra Malaysia, Serdang, Selangor, Malaysia, 2011.

Altoona Blair County Development Corporation, information about employment outlook for Blair County, Pennsylvania, 2011.

National Institute for Metalworking Skills, Creation of integrated training web site for on-site assessment teams, 2005–2006.

University of Texas at Tyler, National Advisory Board for the PhD program in Human Resources Development by the College of Business and Technology, 2004–2009.

National Institute for Metalworking Skills, Conduct review of on-line precision machining training and testing, 2002.

- University of South Australia, International Graduate School of Management. External examiner for Doctor of Business Administration program portfolio, 2001.
- Louisiana State University, Office of the Provost. Chair of committee to review academic programs of the School of Vocational Education, 2001.
- PECO Energy, Philadelphia, Pennsylvania. Analysis of economic impact of deregulation of electrical utility in five-county Philadelphia economic region, 1997.
- CIGNA, Bloomfield, Connecticut. Analysis of qualitative survey data, financial forecasts and plans for implementation of computer-based instruction, 1995.
- Office of the Attorney General of Pennsylvania, Harrisburg, Pennsylvania. Analysis of construction industry employment and unemployment data, 1995.
- Liquid Carbonic, Chicago, Illinois. Analysis of qualitative survey data, 1993.
- E-Systems, Dallas, Texas. Analysis of market for education and training products and services, 1993. Prepare review of literature, survey of “best practices,” and information catalog related to Electronic Performance Support Systems, 1996. Prepare review of literature related to learning styles and cognitive preferences, 1996.
- Campbell Communications, Inc., Bethesda, Maryland. Assist with strategic planning for proprietary postsecondary business schools, 1990–1991.
- National Center for Research in Vocational Education, University of California at Berkeley. Evaluate proposals for funding, 1988. Conduct prepublication review of report of the role of vocational education in economic development, 1989. Conduct prepublication review of report of the use of Social Security Administration income data for program evaluation, 1994.
- University of Tennessee, Knoxville, Tennessee. Prepare paper for presentation to conference of University Council for Training and Development Research, May, 1988.
- Joy Technologies, Inc., Pittsburgh, Pennsylvania. Conduct research on head, back, and knee injuries among coal mining equipment operators, 1987–1989.
- Esso-Interamerica, Inc. Colombia, South America. Reviewed Loss Control Surveillance System for coal mine in Colombia, May, 1986, June, 1987.
- The General Educational Development Testing Service of the American Council on Education, Washington, DC. Estimate effects of GED credential on employment and earnings, 1986–1987.
- California State University at Long Beach, Office of the President, Long Beach, California. Conducted review of vocational education undergraduate and graduate programs, April, 1985.
- University of Arkansas, Arkansas Rehabilitation Research and Training Center for Deafness and Hearing Impairment. Provide assistance in planning research on the occupational status of hearing impaired people, October, 1982.
- Florida International University, College of Education, Miami, Florida. Review leadership development program in Department of Vocational Education, October, 1980, and October, 1981; analysis of data from research projects on vocational student leadership activities, June, 1982, January 1983, and June 1990; analysis of data from research on competency-based education, October, 1982.
- National Center for Research in Vocational Education, The Ohio State University. Review publications on research on correlates of job placement and on youth employment policy, July and August, 1981, and on philosophical issues in vocational education, September, 1984.
- Research for Better Schools, Inc., Philadelphia, Pennsylvania, member of National Review Panel for Project “Comprehensive Experiential Navy Training” funded by the Department of Defense and the Department of Education, June, August, 1980; provide data analysis and evaluation services for National Science Foundation project on improving deaf students’ access to scientific careers, October, 1981.
- Johns-Manville Corporation, Denver, Colorado, member of Training Technology Project faculty responsible for preparing corporate trainers at the University of Minnesota, May, 1979, October, 1979, February, 1980, October, 1980.

Youthwork, Inc., Washington, DC, retained as a Field Associate to provide technical assistance to potential contractors in competition for funds available through the Youth Employment and Demonstration Programs Act of 1977, November and December, 1978; attended congressional hearings on Employment and Training of the Handicapped, February 1979; assisted in the development of guidelines for proposals for 1979 competitive and noncompetitive grants process in the area of handicapped employment and training under the Youth Employment and Demonstration Programs Act of 1977, February 1979; wrote model program designs for employment and training of hard-to-reach and handicapped youth, March 1979; provided assistance on dissemination strategies to third party evaluators, May 1979; developed draft dissemination plan for knowledge developed through national exemplary projects, September, 1979.

Joseph Kennedy, Jr. Foundation and Special Olympics, Inc., Washington, DC, assisted in the development of a proposal, "Kennedy Interns in Recreation: A Youth Employment and Training Demonstration Project for the Mentally Retarded," to the Department of Labor for \$208,830 under the Youth Employment and Demonstration Programs Act of 1977, November and December, 1978. (funded)

LaPorte County Sheltered Workshop, Inc., Michigan City, Indiana, assisted in the conceptualization of articles for the popular press and scholarly publications about innovative training, evaluation, and job placement strategies for the handicapped, February, 1979.

Law firm of Welch, Streb, Porter, Meyer & Wesley, Geneseo, New York, retained as expert witness in the economic and vocational implications of deafness, 1978.

Virginia Polytechnic Institute, College of Education, assisted in the development of proposals for a framework for states' evaluations of vocational processes and programs consistent with mandates of the Education Amendments of 1976 (PL94-482), 1977.

McGraw-Hill Publishing Corporation, New York City, review of proposals for textbooks on measurement and evaluation in occupational education, April, 1976.

Career Program for the Deaf, St. Paul Technical Vocational Institute, St. Paul, Minnesota, member and chairperson of National Advisory Group on Production of Captioned Films, 1976-1977.

U.S. Office of Education, Region I, member of advisory panel for New England Competency-Based Teacher Education Project directed by the University of Maine at Portland/Gorham, 1975, (A. Berry, Director).

Northern Berkshire Regional Vocational School District, North Adams, Massachusetts, instructional systems development, 1975.

Institute for Community Studies, Kansas City, Missouri, assisted in the application of logistic measurement models to attitude and fertility data, 1974.

University of Georgia at Athens, conduct research to develop policy papers on educational product evaluation, 1974.

#### DONATED PROFESSIONAL SERVICE

Member of review panel for *Ralph E. Powe Junior Faculty Enhancement Award* competition sponsored by the Oak Ridge Associated Universities, 2018.

On-site judge for entries for *National History Day in Pennsylvania*, a yearlong, themed educational program ending in a competition for students in grades six through twelve (see <http://pa.nhd.org/>), 2012, 2013, 2014, 2015, 2016, 2017.

Member of Advisory Group for the "Multi-State Shale Collaborative" composed of research and policy organizations in New York (Fiscal Policy Institute), Ohio (Policy Matters Ohio), Pennsylvania (Keystone Research Center/Pennsylvania Budget and Policy Center), Virginia (Commonwealth Institute), and West Virginia (West Virginia Center on Budget and Policy), 2013 to current date. The Multi-State Collaborative aims to develop and disseminate factual information regarding the social, economic, and fiscal impacts of natural gas drilling in the Marcellus and Utica Shale regions.

Member of Identity Awareness Team for Allegheny Mountains Convention and Visitors Bureau, Altoona, Pennsylvania, 2012.

Member of International Board for 4th International Conference, *New Horizons in Industry, Business and Education*, held during August 2005 in Corfu, Greece.

Graduate Human Resource Development Advisory Board, St. John Fischer College, Rochester, New York, 1997–1998.

Labor Market Analysis Committee of the *Team Pennsylvania* Human Resource Investment Council. 1997.

Blue Ribbon Panel, Pennsylvania Department of Labor and Industry, Bureau of Research and Statistics. Review of industry and occupational employment projections, 1997.

Developer and owner of TRDEV–L, a listserv discussion group on the Internet with over 6,000 subscribers from about 60 countries that provided information and development opportunities for professionals in the field of human resources development from 1990 through 2001 and 2009 through current date.

*Pittsburgh Post–Gazette* (Pittsburgh daily newspaper). Employment projections for real estate agents, brokers, and appraisers, January 1995.

Northeastern Educational Research Association. President, 1989–1990. Past President, 1990–1991. Board of Directors, 1985–1991. Committee for planning annual meetings of the association 1982 through 1991 and 1993. Member of Leo D. Doherty Award Committee, 1995–1996. Program Co–chair (with K. Gray) of 1994 meeting.

American Society for Training and Development, Member of National Research Committee, 1990.

New England Educational Research Organization. Evaluated proposals for presentations of research papers at the 1989 Conference; discussant of research papers at 1989 Conference on “Women’s Issues and Freshman College Experiences.”

Member of Board of Directors of G. Harold Silvius Foundation established by the family and friends of the late Professor Silvius, former Professor of Industrial Education at Wayne State University, 1984–1987.

Southern Alleghenies Regional Planning Commission. Represent the Commission in discussions with Coras Trachtala (Export Board), Industrial Development Authority, National Youth Employment Agency, and AnCo (Industrial Training Authority) in Ireland, November, 1982.

National Council on Measurement in Education. Review papers for presentation at 1982 Annual Meeting in Montreal, August, 1982.

Special Interest Group in Vocational–Technical Education, American Educational Research Association, evaluated proposals for presentation of research papers at the 1979 meeting; program chair for 1980 meeting.

Industry Management Council, Rochester, New York, design evaluation study, 1976.

Project Second Start, Concord, New Hampshire, evaluation of innovative adult career education model, 1975.

Cape Cod Regional Technical Center, Harwich, Massachusetts, curriculum development, 1975.

#### UNIVERSITY SERVICE

##### THE PENNSYLVANIA STATE UNIVERSITY

Senator representing College of Education on Penn State Faculty Senate, 2016–2018. Member of the Senate Committee on Research during Spring 2016; member of the Senate Committee on Faculty Affairs during 2016–2017 academic year.

Member of search committee for the Vice Provost for Educational Equity, Penn State, 2015.

Chair of the committee that conducted the academic administrative evaluation of the Dean of the College of Education according to Penn State Administrative Policy AD14 (<https://guru.psu.edu/policies/AD14.html>), 2015.

Appointed by Penn State President Graham Spanier as a member (July 1, 2011 through June 30, 2014) of the Penn State Commission for Women; affiliate member (2008–2011) of the Commission and Chair of the Commission’s Assessment Committee and member of its Wage Equity Committee.

During the 2013–2014 academic year, Co–Chair of the Commission with Carol McQuiggan and Past Co-Chair in 2014–2015.

Member of 2010 as well as 2015 teams for reviewing five-year strategic plans for diversity and diversity strategic plans of Penn State colleges and other units under *A Framework to Foster Diversity at Penn State: 2010–15* for the Office of the Vice Provost for Educational Equity.

Member of the Project Working Group, Regional Engagement Team, and Community Readiness Dashboard/Metrics/Regional Asset Mapping Committee of the Pennsylvania Prosperity Partnership project by Penn State Outreach.

Member of Search Committee for position of assistant/associate professor of education in the Instructional Systems Program of Department of Learning and Performance Systems in the College of Education.

Chair (2007–2008) and member (2006–2009) of the Evaluation Committee for review of proposals for funds from Penn State Outreach’s Thematic Initiative Fund administered by Penn State Outreach’s Office of Economic and Workforce Development.

Member (2007–2009) of Social Sciences Institutional Review Board for the Office of Research Protections.

Member of Search Committee for Program Manager of the Workforce Assessment Center of Penn State Outreach.

Member of Search Committee for Vice Provost for Information Technology.

Appointed member of University–Wide Immediate Tenure Committee (from 2006 to current date).

Member of University–Wide Faculty Advisory Committee on Academic Computing.

Member of University–Wide Faculty Advisory Committee on Information Technology to the University Computation Center.

Elected Member of College of Education Promotion and Tenure Committee.

Elected Member of Department of Learning and Performance Systems Promotion and Tenure Committee.

Member of Graduate Studies and Research Committee of the College of Education Faculty Council.

Elected Member of College of Education Faculty Council.

Elected Representative of College of Education to University Graduate Council.

Member of Faculty and Student Affairs Committee of the Graduate Council.

Member of College of Education Task Force on Academic Computing Planning.

Chair of University Committee on Instructional Facilities for the Office of the Vice Provost & Dean of Undergraduate Education.

Chair of Subcommittee on Operations & Technology of the University Committee on Instructional Facilities for the Office of the Vice Provost & Dean of Undergraduate Education.

Member of Support Team of the Teaching & Learning Consortium for the Office of the Vice Provost & Dean of Undergraduate Education.

Member of Committee on Digital Media Resources in Teaching & Learning with Technology for Penn State Information Technology Services.

Member of School of Information Science & Technology Minors Review Committee.

Member of Committee on Content Management with Technology for Penn State Information Technology Services.

Member of Division of Occupational and Vocational Studies Research and Evaluation Committee.

Member of Division of Occupational and Vocational Studies Special Needs Committee.

Member of College of Education Ad Hoc Task Force on Teacher Education, College of Education Task Force on Implementation of PL94–482.

## UNIVERSITY OF NORTHERN IOWA

Member of Industrial Technology Graduate Committee.

Member of Task Force on Interdisciplinary Studies Degree (university-wide).

Member of Internal Compliance Review Committee mandated under Section 504 of the Rehabilitation Act (university-wide).

## NATIONAL TECHNICAL INSTITUTE FOR THE DEAF

Member of College-wide Curriculum Committee.

Chair of Institute-wide Promotion and Tenure Committee.

## UNIVERSITY OF MASSACHUSETTS/AMHERST

Member of Division of Educational Planning and Management, Executive Committee for Management.

## COMMUNITY SERVICE

Member and Secretary of the Centre County Advisory Council of the Pennsylvania Human Relations Commission, 2014–current date.

Member of Patton Township Audit Committee, State College, Pennsylvania, 1984–1988.

Member and Chair of Democratic Committee, Town of Wheatland, New York, 1978.

Member of Board of Directors for Camp Haccamo, Penfield, New York, summer camp for severely handicapped children, 1976–1977.

Member and Chair of Community Service Committee, Rotary Club, Scottsville, New York, 1976–1978.

Member of Education Committee, St. Patrick's Church, Mumford, New York.

## STUDENT WORK DIRECTED

## DOCTORAL THESES ADVISED

Walker, M. *Relationships among perceived organizational support, job training satisfaction, and job satisfaction within staff personnel at Penn State University*. Doctor of Philosophy dissertation in workforce education and development, The Pennsylvania State University, 2018.

Chae, C. *Typology of knowledge sharing intentions in multinational companies: Cross-national comparative research with latent class analysis*. Doctor of Philosophy dissertation in workforce education and development, The Pennsylvania State University, 2018.

Macko, P. *The Influence of learning technologies on the roles of workplace learning and performance practitioners*. Doctor of Philosophy dissertation in workforce education and development, The Pennsylvania State University, 2018.

Kwon, B. *Analysis of the mechanisms linking employee voice practices to employee voice perceptions*. Doctor of Philosophy dissertation in workforce education and development, The Pennsylvania State University, 2017.

Kwon, K. *HRD investment and financial performance in Korean companies*. Doctor of Philosophy dissertation in workforce education and development, The Pennsylvania State University, 2017.

Nicholas, J. *The employability narratives of liberal arts undergraduates: A grounded theory study*. Doctor of Philosophy dissertation in workforce education and development, The Pennsylvania State University, 2017.

Rhymestine, B. *Interactions of career and technical education teachers with students with disabilities*. Doctor of Philosophy dissertation in workforce education and development, The Pennsylvania State University, 2017.

Taylor, A. *Intrinsic and extrinsic motivators that attract and retain part-time online teaching faculty at Penn State*. Doctor of Philosophy dissertation in workforce education and development, The Pennsylvania State University, 2017.

- Ford, R. *Factors influencing clergy leadership effectiveness*. Doctor of Philosophy dissertation in workforce education and development, The Pennsylvania State University, 2015.
- Boswell, R. *Implementation of a grow-your-own leadership development program in the middle atlantic and Texas community colleges*. Doctor of Philosophy dissertation in workforce education and development, The Pennsylvania State University, 2015.
- Park, J. *Examination of impact of family size on investment in children's education and educational achievement in Kenya*. Doctor of Philosophy dissertation in workforce education and development, The Pennsylvania State University, 2015.
- Hughston, V. *Consequences of team charter quality: Teamwork mental model similarity and team viability in engineering design student teams*. Doctor of Philosophy dissertation in workforce education and development, The Pennsylvania State University, 2014.
- Scamacca, L. *Determining intangible and non-financial success metrics for professionals in the meetings and events industry*. Doctor of Philosophy dissertation in workforce education and development, The Pennsylvania State University, 2013.
- Brundage, T. *A study examining the value of pre-employment training conducted by the Marcellus Shale Education and Training Center in response to the needs of the gas and oil industry*. Doctor of Philosophy thesis in workforce education and development, The Pennsylvania State University, 2011.
- Jeon, K. S. *The relationship of organization performance and spiritual leadership, workplace spirituality, and learning organization culture in the Korean context*. Doctor of Philosophy thesis in workforce education and development, The Pennsylvania State University, 2011.
- Demers, D. *The relationship between perceptions of learning organization characteristics and firm performance*. Doctor of Philosophy thesis in workforce education and development, The Pennsylvania State University, 2009.
- Kim, K. *The determinents of successful school-to-work transitions and their impact on labor market outcomes*. Doctor of Philosophy thesis in workforce education and development, The Pennsylvania State University, 2009.
- Lopes, T. *Differences in dimensions of career motivation between international and domestic graduate students by age*. Doctor of Philosophy thesis in workforce education and development, The Pennsylvania State University, 2006.
- Yu, W. *Correction of estimation bias in evaluating the labor market outcomes of youth participating in school-based learning programs in the United States*. Doctor of Philosophy thesis in workforce education and development, The Pennsylvania State University, 2005.
- Chen, Y. N. *Participation in job training over working life and employment outcomes among mid-career women in the United States*. Doctor of Philosophy thesis in workforce education and development, The Pennsylvania State University, 2005.
- Lin, H. *An Evaluation of the instructional use of ANGEL at The Pennsylvania State University*. Doctor of Philosophy thesis in workforce education and development, The Pennsylvania State University, 2005.
- Thonhauser, T. *Factors for the successful implementation of ISO 9000 in educational institutions: A comparison between US and England*. Doctor of Philosophy thesis in workforce education and development and comparative and international education, The Pennsylvania State University, 2005.
- Bouquillon, E. *Antecedents associated with mentor functions received and career outcome reported by protégés and non-mentored employees*. Doctor of Philosophy thesis in workforce education and development, The Pennsylvania State University, 2004.
- Conn, R. *The relationship between non-employment and respondent personal characteristics, college major, and work experience among 1992-1993 college graduates*. Doctor of Philosophy thesis in workforce education and development, The Pennsylvania State University, 2004.
- Peters, K. *Factors influencing decisions to adopt web-based training by community college staff*. Doctor of Philosophy thesis in workforce education and development, The Pennsylvania State University, 2004.

- Adurba, A. *Non-traditional occupations, empowerment and women: A case of Togolese women*. Doctor of Philosophy thesis in workforce education and development, The Pennsylvania State University, 2002.
- Bailey, K. *The effects of learning strategies on student interaction and student satisfaction*. Doctor of Philosophy thesis in workforce education and development, The Pennsylvania State University, 2002.
- Haber, G. *The relationship of disability status and encouragement to attend career and technical education in four central Pennsylvania Area career and technical schools*. Doctor of Philosophy thesis in workforce education and development, The Pennsylvania State University, 2002.
- Chu, Y. *Factors related to adoption of internet resources in instruction by faculty at The Pennsylvania State University*. Doctor of Philosophy thesis in workforce education and development, The Pennsylvania State University, 2002.
- Lockhart, L. *A qualitative assessment of the organizational impact of diversity training*, Doctor of Philosophy thesis in workforce education and development, The Pennsylvania State University, 2002.
- Snyder, M. *Changes in Pennsylvania school Districts and Area Vocational-Technical Schools Reflecting the Defining Features of the School-to-Work Opportunities Act*, Doctor of Philosophy thesis in workforce education and development, The Pennsylvania State University, 2001.
- Harvey, M. *The relationship of postsecondary transitional outcomes and participation in secondary vocational technical education among students with disabilities*. Doctor of Philosophy thesis in workforce education and development, The Pennsylvania State University, 1998.
- Lin, C. J. *Exploring the links between employment and job-related training and education: An analysis of part-time and full-time U.S. workers*. Doctor of Philosophy thesis in workforce education and development, The Pennsylvania State University, 1998.
- Pellock, C. *Sensitivity of Pennsylvania labor market for teachers to economic and demographic policy change*. Doctor of Philosophy thesis in workforce education and development, The Pennsylvania State University, 1998.
- Tucker, H. *Changes in employment in health care and service occupations as a result of consumer health care spending uncertainties*. Doctor of Philosophy thesis in workforce education and development, The Pennsylvania State University, 1997.
- Mohamed, A. *Participation in vocational education and underemployment among U.S. high school graduates*. Doctor of Philosophy thesis in workforce education and development, The Pennsylvania State University, 1997.
- Mohamood, M. *Attitudes toward technology among secondary school students in Malaysia*. Doctor of Philosophy thesis in workforce education and development, The Pennsylvania State University, 1997.
- Donahue, W. *Descriptive analysis of perceived importance of leadership competencies of practicing engineers*. Doctor of Philosophy thesis in workforce education and development, The Pennsylvania State University, 1996.
- Butler, M.N. *Differential rates of employer-sponsored training in the United States*. Doctor of Philosophy thesis in workforce education and development, The Pennsylvania State University, 1996.
- Li, J. *The relationship between demographic and achievement variables and preferences for work among U.S. high school graduates*. Doctor of Philosophy thesis in workforce education and development, The Pennsylvania State University, 1996. [thesis co-advisor with K. Gray]
- Jackson, A. *Literacy, high school curriculum type, and employment in Pennsylvania*. Doctor of Philosophy thesis in vocational-industrial education, The Pennsylvania State University, 1995.
- Allen, J. *Assessment of the reliability and validity of scores for a created team assessment instrument*. Doctor of Philosophy thesis in vocational-industrial education, The Pennsylvania State University, 1994.
- Donahue, R. *The Pennsylvania Office of Vocational Rehabilitation public-private partnership: Outcomes of the job creation project for people with disabilities*. Doctor of Philosophy thesis in vocational-industrial education, The Pennsylvania State University, 1994.



- Whitmore, R. C. *Identifying the continuing education needs of prison administrators through the process of task analysis*. Doctor of Education thesis in adult education, The Pennsylvania State University, 1993.
- Manzo, D. *Socialization outcomes of part-time master of social work programs: A comparison of returning adult students in career transition with returning adult students with undergraduate training and practical training in social work*. Doctor of Education thesis in adult education, The Pennsylvania State University, 1993.
- Carlson, D. S. *Psychosocial deterrents related to nonparticipation of registered nurses in baccalaureate nursing degree programs*. Doctor of Education thesis in adult education, The Pennsylvania State University, 1992.
- Pewewardy, G. *Relationships among labor force status, wages, and participation in vocational education among young American Indians*. Doctor of Education thesis in vocational industrial education, The Pennsylvania State University, 1992.
- Winter, A. *A study of the motivations and product benefit perceptions of adult undergraduate degree students at Shippensburg University*. Doctor of Education thesis in adult education, The Pennsylvania State University, 1991.
- Olsen, N. K. *Labor supply of young GED certificate recipients*. Doctor of Philosophy thesis in vocational-industrial education, The Pennsylvania State University, 1989.
- Phiri, J. *The development of statistical indices for the evaluation of hazards in longwall face operations*. Doctor of Philosophy thesis in mineral engineering, The Pennsylvania State University, 1989.
- Risher, G. *Labor force changes and participation in secondary vocational education in the United States from 1979 to 1985*. Doctor of Philosophy thesis in vocational-industrial education, The Pennsylvania State University, 1989.
- Wang, D. *The labor supply of young, married, former participants in vocational education in the United States*. Doctor of Philosophy thesis in vocational-industrial education, The Pennsylvania State University, 1989.
- Peña, M. *Adult education and local technological capabilities in the third world: The Colombian case*. Doctor of Education thesis in adult education, The Pennsylvania State University, 1988.
- Blake, P. *Measurement of participation in vocational education: A confirmatory factor analysis model*. Doctor of Education thesis in vocational-industrial education, The Pennsylvania State University, 1986.
- Ay, U. *Labor force attachment of American youth*. Doctor of Philosophy thesis in vocational-industrial education, The Pennsylvania State University, 1985.
- Wu, T. *Relationships among characteristics of post-secondary students and their work values*. Doctor of Philosophy thesis in vocational-industrial education, The Pennsylvania State University, 1985.
- Geer, E. M. *The relationship between participation in vocational education, pay, and employment of 16- to 21-year olds in the continental United States*. Doctor of Education thesis in vocational education, The Pennsylvania State University, 1985.
- Wise, J. H. *The relationship between participation in adult education and demographic characteristics of noninstitutionalized civilians 17 to 64 years of age in 1981*. Doctor of Philosophy thesis in vocational-industrial education, The Pennsylvania State University, 1985.
- Bennett, J. D. *Relationship between work place and worker characteristics and severity of injuries in U.S. underground bituminous coal mines, 1975-1981*. Doctor of Philosophy thesis in vocational-industrial education, The Pennsylvania State University, 1982.
- Banegas, A. H. *Satisfaction with post high school employment of graduates from a secondary education program*. Doctor of Philosophy thesis in vocational-industrial education, The Pennsylvania State University, 1981.

## MASTERS THESES &amp; PAPERS ADVISED

- Joung, G. S. *The effectiveness of informal learning and formal training on improving job competencies in small business*. Master of Science Research Paper in workforce education and development, The Pennsylvania State University, 2011.

- Haynes, C. *Examining the relationship between supervisors and their former coworkers*. Master of Science Research Paper in workforce education and development, The Pennsylvania State University, 2009.
- Demers, D. *A performance model for organization learning*. Master of Science Research Paper in workforce education and development, The Pennsylvania State University, 2004.
- Campbell, P. *Models for performance transfer of employee training from the classrooms to the workplace: A review of the literature*. Master of Science Research Paper in workforce education and development, The Pennsylvania State University, 1999.
- McGinley, T. *National infrastructure spending and construction trades employment in Pennsylvania*. Master of Science Research Paper in workforce education and development, The Pennsylvania State University, 1996.
- Mohamed, W. *The role and economic stakes for education in reducing adolescent birth rates in Pennsylvania*. Master of Science Research Paper in workforce education and development, The Pennsylvania State University, 1996.
- Mohamood, M. *Forecast of employment and job openings for cosmetologists in Pennsylvania*. Master of Science Research Paper in workforce education and development, The Pennsylvania State University, 1996.
- Knobloch, P. *Improvements in the hiring process for a manufacturing company*. Master of Science research paper in vocational–industrial education, The Pennsylvania State University, 1993.
- Rhodes, K. W. *The role of training programs in organized labor negotiations: A subject matter analysis*. Master of Science research paper in vocational–industrial education, The Pennsylvania State University, 1993.
- Shafer, R. J. *Creating a training department: A case study*. Master of Science research paper in vocational–industrial education, The Pennsylvania State University, 1993.
- Silvis, B. L. *Psychological orientation and acceptance of audio conferencing*. Master of Education research paper in adult education, The Pennsylvania State University, 1991.
- Cooke, T. G. *Contrasting methods of reporting participation in vocational education*. Master of Science thesis in vocational–industrial education, The Pennsylvania State University, 1990.
- Poole, O. J. *Measurement of self-reported illegal activity among youth in the United States: A confirmatory factor analysis*. Master of Science thesis in vocational–industrial education, The Pennsylvania State University, 1988.
- Adams, J. D. *Preferred practices of hiring electronics technicians*. Master of Education research paper in vocational–industrial education, The Pennsylvania State University, 1985.
- Risher, G. A. *The occupational supply structure of welders and flamecutters in the United States from 1965 to 1970*. Master of Education research paper in vocational–industrial education, The Pennsylvania State University, 1982.
- Dallara, B. L. *The effects of remedial reading instruction on the drafting achievement of ninth grade drafting student reading below a 7.0 grade level*. Master of Education research paper in vocational–industrial education, The Pennsylvania State University, 1981.
- Ay, U. *Relationship between type of high school curriculum, socioeconomic level, and participation in company training of 14- to 24-year olds in the United States*. Master of Science thesis in vocational–industrial education, The Pennsylvania State University, 1981.
- Cruz, A. *Wood finishing for tree samples of five Honduran species*. Master of Arts in Industrial Technology research paper in industrial technology, University of Northern Iowa, 1979.
- Umana, M.D.G. *A solar water heater for Honduran people*. Master of Arts in Industrial Technology research paper in industrial technology, University of Northern Iowa, 1979.

## SENIOR THESIS ADVISED

- Sidansky, R. *A comparison of attitudes toward deafness of deaf and hearing students at the Rochester Institute of Technology*. Senior thesis for Bachelor of Science degree in the Department of Social Welfare, Rochester Institute of Technology, 1978.