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Curriculum Vitae

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CURRENT AFFILIATIONS

Professor of Education 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 by Penn State since September 1979.

Professor of Operations Research, Intercollege Dual–Title Degree Graduate Program in Operations Research at The Pennsylvania State University, University Park, Pennsylvania, since September 1994 (see http://www2.ie.psu.edu/or/index.html).

Director, Institute for Research in Training & Development, The Pennsylvania State University, University Park, Pennsylvania, since June 2006. (see http://irtd.ed.psu.edu).

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

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

EDUCATION

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. *Dissertation Abstracts International*, 1974, *35*(2), 963–A.

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. *Abstracts of theses and dissertations*. Bowling Green, Ohio: Bowling Green State University, 1970, p. 154.

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.

PERSONAL INFORMATION

- *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:* Personal web site—http://train.ed.psu.edu; Institute for Research in Training & Development web site—http://irtd.ed.psu.edu.
- *Telephone:* 1.814.863.2583.
- *Fax:* 1.814.863.7532 (Penn State work); 1.413.803.2583 (personal).
- *Voice–over–IP:* Skype—dpassmore; AIM/iChat—davidpassmore.

- *Language fluency:* English; Signed English, a manual language used by hearing impaired people.
- *Birthplace & date:* Niagara Falls, New York, May 10, 1947.

AWARDS & HONORS

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

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).

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.

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.

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.

U.S. Office of Education Research Fellow, University of Minnesota Research Coordinating Unit for Vocational Education, Minneapolis, Minnesota, 1970 through 1973 academic years.

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

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

Co–Editor with R.M. Baker of *International Journal of Vocational Education and Training*, July 2011—current date.

Associate Editor of *International Journal of Distance Education Technology*, 2001–current date.

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

International Board of Reviewers of *Internet & Higher Education,* 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 the *Accident Analysis and Prevention*, *American Educational Research Journal*, *American Journal of Public Health*, *Journal of Educational Computing, Journal of Occupational Accidents*, *Journal of Studies in Technical Careers*, *Journal of Vocational Education Research*, *Journal of Vocational Home Economics*, *Psychological Bulletin*, and *Volta Review*.

PUBLICATIONS

BOOKS, MONOGRAPHS, BOOK CHAPTERS, & CONTRIBUTIONS TO PROCEEDINGS

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. (see http://wedi.psu.edu/joomla15/index.php/component/content/article/39-researchreportscategory/128-failure-to-earn-a-high-school-diploma-correlates-and-consequences-for-central-pennsylvania)

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), R*esearch 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. (see: http://train.ed.psu.edu/documents/nhie2003/)

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 (Ed.), *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.

With J.D. Bennett. Empirical research on United States underground bituminous coal mine safety: Implications for engineering and training research. In *Proceedings of VII Congresso Internacional De Mineria y Metalurgia*. Barcelona, Spain: Asociacion Nacional De Ingenieros De Minas y Instituto Geologico y Mineria 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://www.eric.ed.gov/PDFS/ED117453.pdf)

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 & REVIEWS OF LITERATURE IN REFEREED PUBLICATIONS

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.

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. (see http://irtd.ed.psu.edu:8022/Passmore_Safety_Training.pdf)

Pick a paradigm, any paradigm. *Human Resource Development Quarterly*, 1990, *1*(1), 25–27.

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.

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. (see http://www.springerlink.com/content/j1h71g7800412138/)

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, 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 Jeon, K. S. Spiritual leadership: A validation study in a Korean context. *Journal of Management, Spirituality and Religion*, in press.

With R. Boswell. The impact of biological children, marriage/cohabitation, household characteristics, and hours worked on student success in two-year colleges. *The Community College Enterprise*, in press.

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.

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. (see: http://train.ed.psu.edu/documents/NIMS/)

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Starting in June 2008, Passmore and Rose Baker became contributing columnists for Pennsylvania Business Central (PBC) *for which they write a monthly article about economic and workforce issues that affect a 16-county region in western and central Pennsylvania. The* Economic & Workforce Briefing *blog at http://PBCBriefing.notlong.com is an extension of their* PBC *column. Each column that appears in* PBC *is posted to this blog in its original form before any edits for length might have occurred to facilitate* PBC *publication. At times, data tables or charts, which were too lengthy to appear in* PBC*, or which support or amplify* PBC *columns, are posted on this blog.* PBC *readers and others engage in dialogue about economic and workforce issues in western and central Pennsylvania by responding to postings on this blog. At times, polls of* PBC *readers are posted on this blog so that columns for* PBC *about economic and workforce issues can be created that interest readers. 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 appears in* MBC *when their work deals with Marcellus Shale issues.*

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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

BY INVITATION

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. (see http://davidpassmore.wix.com/shenango)

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. (see http://pasdc2012.tumblr.com)

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. (see http://pawib2012.tumblr.com)

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. (see http://tax-fee-impact.notlong.com)

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. (see http://BlairCounty.notlong.com)

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. (see http://PSU-MetalPowder.notlong.com)

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. 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. (see http://PSU-RateCap-REMI.notlong.com)

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. (see http://rmhrps.notlong.com and http://www.personal.psu.edu/dlp/rmhrps/)

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. (see http://www.personal.psu.edu/dlp/wib2006/)

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. (see http://www.personal.psu.edu/dlp/hrinstfl/)

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. (see http://bli.psu.edu/bli/winterfest.html#passmore)

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. (see http://www.personal.psu.edu/dlp/hrfutures).

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. (see: http://www.personal.psu.edu/dlp/baseball/)

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. (see http://www.carlisle.army.mil/Conference_2004/dinnerSp.cfm and http://www.carlisle.army.mil/Conference_2004/conInfo.cfm)

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 2nd 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 4th 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 1st Annual Irish Technology Users Conference, Sligo, Ireland, May 2000. (see http://train.ed.psu.edu/documents/edtech/)

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 Ministére de l'Enseignment 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 precís. 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.

Employment 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 ESEA Workshop for Handicapped Children, Bowling Green, Ohio, August 1970.

AT INTERNATIONAL & NATIONAL MEETINGS

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, Altanta, 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. (see http://econgraph.tumblr.com/)

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. (see http://PA-SevTax.notlong.com)

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. (see http://EdTech2010-Prezi.notlong.com)

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 4th Annual Irish Technology Users Conference, Tralee, Ireland, June 2004.

Self–Organizing eLearning in the monastery: An analysis of perlmonks.org. Paper presented at the 4th 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, Instanbul, 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. Ladrido. *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 Annual Meeting of the 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 annual meeting of the 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 of Mining 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 Annual Meeting of the 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

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. (see http://Marcellus-EdImpact.notlong.com)

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. (see http://PA-IRTD-Offshore.notlong.com)

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. Wulfhorst. *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. (see http://REMI2007.notlong.com)

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. (see http://train.ed.psu.edu/LTC/)

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. (see podcast at http://tinyurl.com/jqfgx, streaming video at http://symposium.tlt.psu.edu/?p=98, and social commentary about this presentation at http://symposium.tlt.psu.edu/index.php?s=passmore)

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 14th 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. (see: http://www.personal.psu.edu/dlp/LED/)

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. (see: http://www.personal.psu.edu/dlp/podcast/)

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. (see http://train.ed.psu.edu/documents/INDDEV/)

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 6th 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. (see: http://train.ed.psu.edu/documents/preg/)

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

IN PROGRESS

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.

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.

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 Assoociation 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

PAID CONSULTING

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 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

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.

Member of 2010 team 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.

Member of University–Wide Immediate Tenure Committee (since 2006).

Member of University–Wide Promotion and Tenure Committee.

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.

Graduate Studies 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.

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.

Memer 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

Memer 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 of Patton Township Audit Committee, State College, Pennsylvania, member, 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

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.

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