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CURRENT POSITION

Deputy Director, National Research Center for Career and Technical Education; College of Education, University of Louisville, 2009-

ADMINISTRATIVE POSITIONS HELD

- System Director, Perkins Federal Grants, Office of the Chancellor, Minnesota State Colleges and Universities, St. Paul Minnesota, 2004-2008
- Director, Special Research Projects, Research & Planning Division, Office of the Chancellor, Minnesota State Colleges and Universities, St. Paul Minnesota, 2003-2004
- Consultant, Higher Education Evaluation & Research Group, Stockton, California, 2002-2004
- Director, Research & Institutional Planning, Dakota County Technical College, Rosemount, Minnesota, 2001-2003
- Coordinator, IT Industry-Education Partnership, Minnesota State Colleges and Universities, St. Paul Minnesota, 1998-2001
- Senior Project Consultant, Research & Statistics Office, Minnesota Department of Economic Security (MDES), St. Paul MN; 1996-1998

TEACHING POSITIONS HELD

- Community (Adjunct) Faculty, Economics, Metropolitan State University, Minneapolis, Minnesota, 2003-2006
- Community (Adjunct) Faculty, Dakota County Technical College, Rosemount, Minnesota, 2003
- Associate Professor, Economics, Department of Management, College of St. Scholastica, Duluth, Minnesota, 1991-98
- Assistant Professor, Economics, Department of Economics, College of St. Benedict, St. Joseph, Minnesota, 1989-91
- Assistant Professor, Economics, Department of Economics, University of Minnesota – Duluth, Duluth, Minnesota, 1984-89
- Lecturer and Visiting Assistant Professor, Eureka College, Eureka, Illinois, 1983-84
- Graduate Teaching Assistant, University of Illinois at Champaign, Urbana, 1981-82
- Graduate Teaching Assistant, University of Illinois at Champaign, Urbana, 1979-80

OTHER POSITIONS HELD

- Research Assistant, The World Bank, Washington DC, 1980

- Research Assistant, Department of Economics, University of Illinois, Champaign, Illinois, 1977-78
- Economist (Summer Intern), International Monetary Fund, Washington DC, 1977, 1978
- Research Assistant, International Food Policy Research Institute, Washington DC, 1975-76
- Research Assistant, George Washington University, Washington DC, 1975

EDUCATION

B.A., (Honours), University of Delhi, Economics
 M.A., George Washington University, Economics
 Ph.D., University of Illinois, Economics

RECOGNITIONS AND AWARDS

National Scholar, Professional Development Academy, National Dissemination Center for Career and Technical Education, Ohio State University, 2002.
 Certificate of Appreciation, Minnesota High Tech Association, 2000.

SUMMARY OF SKILLS

- Leading, managing and supervising an organizational unit
- Organizing, managing, budgeting and coordinating grants
- Leading, managing and organizing project teams
- Strong oral communication skills and good writing skills
- Excellent interpretative and evaluation skills
- Comfortable with group projects
- Versatile capability at reviewing large- and small-system institutional records
- Proficient in several aspects of data gathering, data processing and data analysis
- Superior statistical analysis skills
- High level of expertise in several word processing, spreadsheet, database management and statistical analysis software packages

REFERENCES

Larry Goodwin, President, College of Saint Scholastica, Duluth, Minnesota 55812, (218) 723-6000 lgoodwin@css.edu

Mary Jacquart, Director, Federal Legislative Relations, Minnesota State Colleges and Universities System, St. Paul MN, 55101, (651) 296-0664 mary.jacquart@so.mnscu.edu

Jeralyn Jargo, Dean, Business, Health Sciences & External Education, Century College, 3300 Century Avenue N., White Bear Lake, MN 55110, (651) 779-3235 j.jargo@century.mnscu.edu

Jessica Jenner, Senior Consultant, Knickerbocker & Stevens, Inc. Providence, RI. (401) 454-8514 jessica.jenner@verizon.net

Wayne Jesswein, Professor of Economics, University of Minnesota-Duluth, Duluth, Minnesota 55811, (218) 726-7297 wjesswei@d.umn.edu

Sharon LaComb, Vice President, Dakota County Technical College, Rosemount, MN 55068 (651) 423-8293 sharon.lacomb@dctc.edu

EMPLOYMENT HISTORY

University of Louisville, Louisville Kentucky; 2009-

Title: Deputy Director, National Research Center for Career and Technical Education (NRCcte); College of Education, 2009-

Planning

Along with the Center Director and Center Associate Director, serve as part of an administrative team responsible for organizing the research, professional development, technical assistance and dissemination activities as outlined in the Center proposal to the US Department of Education and in accordance with the federal 2006 Carl D. Perkins Career and Technical Education Act

Research

Principal Investigator for a Center Research Study: *Harvesting Postsecondary Career and Technical Administrative Record Data to Assess Student Performance*

Communication

Keep regular contact with Center researchers and partners through emails, meetings and general correspondence; respond to research and policy requests as it relates to career and technical education data and accountability; monitor on the Center electronic web communication tool to keep track of the milestones that each research project is expected to meet and complete.

Minnesota State Colleges and Universities, St. Paul MN; 1998-2008

Title: System Director, Perkins Federal Grants, Office of the Chancellor, Minnesota State Colleges and Universities, St. Paul Minnesota, 2004-2008

Managing

Supervising a team of five individuals that make up the Perkins Unit within the Academic & Student Affairs Division, organizing work schedule and supervising assignments within Unit; monitoring progress and performance of unit members; regular reporting of Unit activity to Associate Vice Chancellor responsible for the Unit

Planning

Have principal responsibility for organizing, developing and writing the Five-Year State Career and Technical Education (CTE) Plan to meet the intent of Perkins IV.

Coordinated extensively with the Minnesota Department of Education to initiate, discuss, and implement state-level career technical education in Minnesota, particularly as it relates to implementing the intent of Perkins IV in Minnesota.

Organized, developed and wrote the State Perkins Transition Plan to meet the intent of Perkins IV.

Coordinated extensively with the Minnesota Department of Education to initiate, discuss, and implement state-level career technical education in Minnesota.

Coordinated the State of Minnesota Joyce Foundation Grant that focused on the engagement, achievement and transition of students and workers in the adult education and workforce system to credit and non-credit based post-secondary institutions.

Research

Use the Perkins Brio Database to review, analyze, interpret and report a variety of data and information for assessing institutional effectiveness, planning and decision-making with regard to implementing the Carl. D. Perkins Act at the local level and determining implications on CTE practices, policies, measures and procedures.

Use the Perkins Brio Database to develop and implement research studies related to determine post-secondary career and technical education student performance relative to other student groups, with findings being presented at several state and national conferences.

Communication

Keep regular contact with internal (to the Office of the Chancellor) and external (to the Office of the Chancellor) stakeholders through emails, meetings and general correspondence; respond to data, research and policy requests to colleges receiving Perkins dollars; tracking progress on state leadership activity in career and technical education; represent the Perkins Unit's position at internal (to the Office of the Chancellor) strategic meetings; advocate the Office of the Chancellor position at external stakeholder meetings, particularly as it relates to career and technical education

Title: Director, Special Research Projects, Research & Planning Division, Office of the Chancellor, Minnesota State Colleges and Universities, St. Paul Minnesota, 2003-2004

Research

Used ISRS to condense SCSU student, faculty and department-level data to produce an Academic Summary Book for SCSU for the time period covering FY2000-FY2003.

Using the Minnesota State Colleges and Universities Integrated Student Record System (ISRS), a methodology was developed to determine faculty workload for St. Cloud State University (SCSU). Final draft reports completed August 2003.

Planning

Participated in the System Wide Institutional Research Directors Group that has the task of developing detailed set of accountability indicators, based on the design proposed by the Drafting Team, April 2003-April 2004

Participated in the System-Level Accountability Framework Drafting Team to create, design and draft system-level accountability indicators built on the system strategic plan, November 2002-June 2003.

Title: Director, Institutional Research & External Planning, Dakota County Technical College, 2001-2003

Planning

Use Perkins-related data as campus-wide planning tool; skill standards integration into curricula; academic program planning and review, customized training performance indicators, and regional clusters development.

Work with a variety of workforce and economic development agencies in the Twin Cities Metropolitan area for establishing and promoting more integrated workforce assessment, education and training, marketing and coordination activities.

Research

Analyzed various system-wide institutional records on budget and finance, academic program activity, student outcomes, and, labor market engagement of graduates. Worked with the University of Minnesota on analyzing Minnesota State Colleges and Universities system-wide institutional records for the report *on the State of Occupational and Technical Education in Minnesota*

Help develop a technique for estimating the supply and demand of graduates by occupations and occupational groupings. The Minnesota State Colleges and Universities are now using the technique in a variety of ways.

Using the MnSCU Perkins database, helped Hennepin Technical College (HTC) for understanding some of the data analysis issues facing the college, particularly in meeting the different targets for Perkins indicators and sub-indicators. Additionally, using a standard retention analysis technique, provided information about the success of retaining students as they move through Perkins-affiliated programs.

Grant Writing

Serve as a data expert and strategy consultant in the writing of grant applications to state and federal agencies.

Committee Work Experience

Member, Minnesota State Colleges and Universities Office of the Chancellor Workforce Development Group, whose primary purpose is exchanging ideas on the role of educational institutions in workforce and economic development.

Member “Giraffe Group,” whose goal is to strategically plan new program development at Dakota County Technical College.

Title: Coordinator, Computer Software Industry Education Partnership Grant, Minnesota State Colleges and Universities, 1998-2001

Administration

Served as the lead for a state-funded \$750,000 grant that brought together the computer software/information technology (CS/IT) industry and the CS/IT education community

Develop, organize and manage the various grant functions and activities.

Used grant funds for developing new and strengthening existing processes and structures for CS/IT curriculum and delivery.

Laid out the overall grant budget, drawing up contracts with different consultants, contractors and vendors, and ensure payment for services rendered, and generally overseeing projects contracted with grant funds.

Provide reports and updates institutions about grant progress to the larger Minnesota State Colleges and Universities Targeted Industry Project, of which the CS/IT grant was one component, and to the grant lead institutions.

Curriculum

As the Minnesota State Prime for the Information Technology Careers Cluster (ITCC) Initiative, helped ITCC develop an IT career cluster framework that linked IT learning to IT employment. A part of an ITCC working group, develop strategic policy regarding IT certifications. Collaborate with Northwest Technical College to help develop curriculum in Database Administration

Communication

Act as the centralized point of contact for the different grant stakeholders interested in putting in place the process by which the Minnesota *TECSITE* Center can be established, developed and promoted. *TECSITE* stands for Training and Education for Computer Software and Information Technology Employment.

Interacting with private CS/IT businesses, state and national trade associations, local, state and federal agencies

Served on different CS/IT subcommittees and task forces, including the Citizens League Committee on Workforce Training, the Minnesota High Tech Association (MHTA) Education Committee and IT subcommittee

Worked with a communications strategy consultant to publicize grant activities to the different stakeholders, specifically relating to Minnesota State Colleges and Universities CS/IT successes and how the Minnesota *TECSITE* Center could improve CS/IT education training in Minnesota.

Conceptualized and developed. *MNIt*, (Minnesota Information Technology). *MNIt* is the name and logo that evolved from an overall research, policy and communications strategy linking Computer Software/Information Technology and Telecommunications (CS/IT) stakeholders.

Research

Created a database for all Minnesota State Colleges and Universities CS/IT programs, customized training offerings and vendor certification; Help gather information on National Skill Standards; and, worked with MDES to develop a CS/IT vacancy survey.

Studied the CS/IT industry landscape and created a summary research report on the state of the CS/IT industry in Minnesota.

Planning

Arrange regular, periodical meetings between the CS/IT industry and educators, on specific issues regarding workforce training relationships. Help organize the jointly sponsored CS/IT grant and Minnesota High Tech Association 1999 and 2000 Computer Science Faculty Forum.

***Minnesota Department of Economic Security (MDES),
St. Paul MN; 1996-1998***

Title: Senior Project Consultant

Administrative Experience

Team Leader, Research and Projections, Research and Statistics Office

Oversaw and supervised a variety of projects; also responsible for overseeing and supervising short-term projects requested by senior management. Primary responsibility of ensuring the completion of several projects funded under the Education to Employment Transitions System(EETS)_Grant. Supervised a Bureau of Labor Statistics funded non-mandated special project which checked the accuracy, validity and integrity of the Minnesota's Unemployment Insurance Wage Records System.

Unit Leader, Databases and Information Systems Unit, Research and Statistics Office

With the help of federally funded projects, including the development of user-friendly interactive databases and information system, and, provide employment, workforce, education and career placement information on a single uniform platform, assign, supervise and direct several staff to such projects.

Coordinator, Minnesota O*NET Pilot Project, Research and Statistics Office

Duties included interaction with local, state and federal agencies; oversaw projects subcontracted to other units within MDES; completed contracts, procedures for different sub-contractors; conducted User feedback studies; analyzed job profiling data; submitted a final report to the US Department of Labor on the Minnesota O*NET Pilot Project

Project Writing Experience

Authored and co-authored several reports on topics dealing with employment, occupations, workforce and skills.

Completed a project on new and emerging occupations in Minnesota by starting from theoretical constructs and developed a technique for identifying, classifying and analyzing the formation of new and emerging occupations, and laid out a strategic plan for measuring the extent of new and emerging occupations in Minnesota.

Completed a project on the impact of welfare reform on job availability in Minnesota by incorporating previously learned knowledge and techniques and developed for easy public consumption, a job-seeker to job-opening ratio.

Committee Work Experience

Office Communication Policy Committee; Office Training Policy Committee; Office Strategic Planning Committee.

The College of St. Scholastica, Duluth, Minnesota, 1991-98

Title: Associate Professor, Economics, Department of Management

Teaching Experience

Assistant Professor; Introduction to Economics; Current Economic Issues (Graduate and Undergraduate); Microeconomic Principles; Health Economics, Comparative Economic System. Economics of Global Poverty; Senior Capstone, Quantitative Methods and Analysis for Managers (Graduate Level)

Administrative Experience

Coordinator of Undergraduate and Graduate Academic Programs and College Liaison, College of Saint Scholastica, Brainerd Campus

Committee Work Experience

Faculty Development and Training Committee; Senior Capstone Committee

College of St. Benedict, St. Joseph, Minnesota, 1989-91

Title: Assistant Professor, Economics, Department of Economics

Teaching Experience

Assistant Professor; Principles of Economics, Microeconomic Theory, Money and Banking, Economic Development, Children in Poverty.

University of Minnesota -Duluth, Duluth, Minnesota, 1984-89

Title: Assistant Professor, Economics, Department of Economics

Teaching Experience

Assistant Professor, Statistics, Quantitative Research Methods, Macroeconomic Principles; Microeconomic Principles, Microeconomic Analysis, Macroeconomic Analysis.

Committee Work Experience

Curriculum Committee, School of Business and Economics

OTHER TEACHING EXPERIENCE

Eureka College, Eureka, Illinois, 1983-84

Lecturer and Visiting Assistant Professor, Principles of Economics; Introduction to Development and International Economics; Microeconomics; Money and Banking; Comparative Economic Systems

University of Illinois

Teaching Assistant, Statistics; Principles of Economics

OTHER EMPLOYMENT EXPERIENCE

- 1980 Research Assistant, The World Bank, Washington DC
1979 Research Assistant, Department of Economics, University of Illinois, Champaign, Illinois
1977, 1978 Economist (Summer Intern), International Monetary Fund, Washington DC
1975-76 Research Assistant, International Food Policy Research Institute, Washington DC
1975 Research Assistant, George Washington University, Washington DC

SCHOLARLY RESEARCH

Publications

1. "Researching CTE Student Success: A New Conceptual Framework", Techniques, April 2007, pp. 49-52.
2. "The Efficiency of the High-Tech Economy: Conventional Development Indexes versus a Performance Index", Journal of Regional Science, (2006) Vol.46 (3), pp.545-563.
3. "Employer Perceptions of Work Flexibility: Role of Skills and Wages in Job Performance," Journal of the Minnesota Academy of Science, (2002), pp 5-13.
4. "Efficient Provision of Child Quality of Life in Less Developed Countries: Conventional Development Indexes versus a Programming Approach to Development Indexes," Socio-Economic Planning Sciences, 34, (2000), pp.51-67
5. "India's Economic Reforms and the Poor: Comments on the Bhagwati and Srinivasan Report," Association of Indian Economic Studies (AIES) Newsletter, Vol. XVI (1), May 1994.
6. "Why a Policy of Sustainable Development Discriminates Against the Poor in Less Developing Countries: Some Evidence from Indian Villages," Forum of the Association of And Land Studies, Vol. X, 1993.
7. "A Comparative Analysis of Subsistence Energy Use and Supply in Indian Villages," Forum of the Association for Arid Lands Studies, Vol. II, 1986.
8. "The 'Other' Energy Crisis and Economic Development: The Role of Noncommercial Fuels in Indian Subsistence Agriculture," 1985 (unpublished Ph.D. dissertation).

Working Papers

1. "High-Skill, High-Wage, or High-Demand Career Pathways in Minnesota: A Step-by-Step Procedure that Links Student Credential Attainment to Employment Occupational Demand." June 2008.
2. "Determining Marketable Career Pathways in Minnesota: A Draft Report," July 2007.
3. "Optimum Skill Mix and Maximizing Job Performance: Ranking Occupations Using a DEA Framework," Bureau of Business and Economic Research, Center for Economic Development, University of Minnesota-Duluth, Working Paper No. 99-2, August, 1999
4. "Improving Quality Through Child Care Subsidies: Applying Limited Dependent and Qualitative Variable Regression Techniques" (mimeo), June 1991.
5. "Why Child Care in Duluth May Not Be Two-Tiered: A Study Using Licensed Child Care," Bureau of Business and Economic Research, University of Minnesota-Duluth, Working Paper No. 89-1, January 1989.
6. "A Comparative Analysis of Subsistence Energy Use and Supply in Indian Villages," Bureau of Business and Economic Research, University of Minnesota-Duluth, Working Paper No. 86-14, March 1986.
7. "Subsistence Economics and Ecological Irreversibilities: The Case of Subsistence Fuels in India," Bureau of Business and Economic Research, University of Minnesota-Duluth, Working Paper No. 86-11, February 1986.

Monographs/Reports

1. ***Faculty Workload Study: Constructing the Database, Estimating Load, and Data Integrity Issues: A Summary Report, St. Cloud State University***, Minnesota State Colleges and Universities System, September 2003
2. ***Faculty Teaching Workload Report, St. Cloud State University***, Minnesota State Colleges and Universities System, August 2003
3. ***Faculty Teaching Workload Report, St. Cloud State University: Summary by College and by Department***, Minnesota State Colleges and Universities System, August 2003
4. ***Faculty Teaching Workload Report, St. Cloud State University: Data Integrity Report***, Minnesota State Colleges and Universities System, August 2003
5. ***Making Education Results Visible: Data Integrity Issues and New Avenues for Research Analysis Using Perkins Related Data at Hennepin Technical College***, Minnesota State Colleges and Universities System, August 2002
6. ***The Status of Occupational and Technical Education in Minnesota's Community and Technical Colleges***, (Contributing Author), National Center for Career and Technical Education, University of Minnesota, June 2002
7. ***Preparing the Workforce and Economic Development Community For The 21st Century: A New Role for Assessment Services***, Submitted to the Assessment Committee, Twin Cities Partners for Progress, Regional Skills Consortium, March 2000
8. ***New Program Development Strategy and Supply/Demand Analysis: The Relationship Between Post-secondary Degree Program Outcomes and Occupational Need in Minnesota***, Minnesota State Colleges and Universities System, February 2002.
9. ***Got a MNit? Minnesota TecSite***, Targeted Industry Partnership, Summary Report, Minnesota State Colleges and Universities System, June 2000.
10. ***Minnesota O*NET Pilot Project: Review of Activities***. Dept. of Economic Security, St. Paul MN, July 1998.
11. ***Worker Shortages in Minnesota***, Research and Statistics Office, Minnesota Dept. of Economic Security, St. Paul MN, October 1997.
12. ***Emerging Occupations in Minnesota***, Research and Statistics Office, Minnesota Dept. of Economic Security, St. Paul MN, July 1997.
13. ***New and Emerging Occupations in Minnesota: Results from a Pilot Study***, Research and Statistics Office, Minnesota Dept. of Economic Security, St. Paul MN, June 1997.
14. ***Occupational Wage Information by Education and On-the-Job Training Requirements in Minnesota***, Minnesota Department of Economic Security, February 1997.
15. ***Job Availability in Minnesota in 1997: Preliminary Estimates of Labor Market Conditions in Light of Welfare Reform***, Minnesota Department of Economic Security, January 1997.
16. ***New and Emerging Occupations: An Interim Report on Methodology***, Research and Statistics Office, Minnesota Dept. of Economic Security, St. Paul MN, June 1996.
17. ***Can Economic Development Reverse the Irreversible Ecological Transition: The Changing Mix of Subsistence Fuels in the Indian Rural Household***, World Academy of Development and Cooperation, 1987.

PAPER PRESENTATIONS

1. "High-Skill, High-Wage, or High-Demand Career Pathways in Minnesota: A Step-by-Step Procedure that Links Student Credential Attainment to Employment Occupational Demand," National Association of Career and Technical Education Information Boise Idaho May 22, 2008.
2. "Teaching across the High School and College Career and Technical Education Curriculum," Realizing Student Potential/ITeach 2008: The First-Year Student in the 21st Century, Metro Alliance Annual Conference, Minneapolis, Minnesota, March 1, 2008.
3. "How Can You Tell if a Career and Technical Education Program of Study is Marketable: A Case Study From Minnesota," Fourth Annual Career Clusters Institute, Phoenix Arizona, Phoenix AZ July 12-14, 2007
4. "Getting Timing and Sequencing of Math Course Taking within Specified Career Pathways Right: A Possible Answer to the Under-preparedness in Math of Career and Technical Education (CTE) Students," Annual Meeting, , Annual Meeting Association of Institutional Research Chicago, Illinois, May 17, 2006
5. "Career Pathways, Program Thresholds, and Gender Differences: Examining Success Measures for Minnesota Post- Secondary Enrollment Options (PSEO) Students," Annual Meeting Association of Institutional Research of the Midwest Minneapolis, Minnesota Nov 11, 2005
6. "The Minnesota Post-Secondary Enrollment Options Program: Career and Technical Education as a Focus for Promoting High School to College Transitions," Annual Meeting Association of Institutional Research San Diego, California, May 29, 2005
7. "The Minnesota Post-Secondary Enrollment Options Program: Does Participation in Dual Enrollment Programs Help High School Students Obtain Career and Technical Education Majors and Degrees in College?" Annual Meeting, Council for The Study of Community Colleges, Boston Massachusetts, April 9, 2005
8. "Employer Perceptions of Worker Flexibility: Role of Skills and Wages in Job Performance," Minnesota Academy of Sciences Annual Meetings: Business and Economics Symposium, Moorhead, Minnesota, April 29, 2000.
9. "Multiple Access Barriers and Health Status: A Test of Endogeneity and Sample Selection Bias," Western Social Science Association Annual Meetings, Oakland, California, April 26-29, 1995.
10. "Efficient Provision of Child Quality of Life in Less Developing Countries: An Application of DEA," 69th Annual Western Economic Association International Conference; Vancouver, British Columbia, Canada, June 29-July 3, 1994.
11. "Two Approaches to Quality of Life: Income-Centered Versus the Capability Approach," Western Social Science Annual Meetings, Albuquerque, New Mexico, April 20-26, 1994.
12. "Child Quality of Life and Family Decline: A Rank Correlation Analysis for Selected Less Developing Countries and Selected Less Developed Countries," Association of Indian Economic Studies, Annual Meetings, Boston, January 3-5, 1994.
13. "Access Barriers to Medical Care in Rural Minnesota: Some Early Results From the Lake Superior Medical Society Rural Access Clinic," Mid Continental Regional Science Association Annual Meeting, Duluth, Minnesota, June 3-5, 1993.
14. "Why a Policy of Sustainable Development Creates More Economic Inequities in Less Developing Countries," Association of Arid Land Studies, Annual Meetings, Corpus Christi, Texas, April 22-26, 1993.
15. "Which Social Status Variables Make the Middle Class Harried? A Logistic Regression Test: A Case Study from Duluth, Minnesota," Minnesota Academy of Sciences, Annual Meeting, April 25, 1992.

16. "Does Quality Improve When Child Care Costs are Subsidized? A Study of Licensed Child Care in Duluth, Minnesota," Mid-Continental Regional Science Association Annual Meeting, Chicago, Illinois, May 30-June 1, 1991.
17. "Can Indian Subsistence Agricultural Households Afford to be Ecological Conscious," Association for Arid Land Studies, Portland, Oregon, April 25-28, 1990.
18. "The Affordability of Child Care Among Low Income Families: A Comparative Study from the Seven-County Arrowhead Region of Minnesota," Mid-Continent Regional Science Association Meetings, Minneapolis, Minnesota, June 1-3, 1989.
19. "Regional Determinants of Child Care Use in Duluth," Paper presented at Mid-Continent Regional Science Association Annual Meeting, St. Louis, Missouri, June 1988.
20. "Changing Public Sector Priorities in an Era of Industrial Restructuring," Midwest Economic Association, Annual Meeting, St. Louis, Missouri, March 26-28, 1987.
21. "Can Economic Development Reverse the Irreversible Ecological Transition: The Changing Mix of Subsistence Fuels in the Indian Rural Household," Global Development Conference, World Academy of Development and Cooperation, University of Maryland Campus, September 12-13, 1986.
22. "Fuelwood Scarcity in Semi-Arid Villages: Causes and Consequence," Annual Meeting of the Association for Arid Land Studies (AALS), Reno, Nevada, April 23-26, 1986.
23. "Subsistence Economics and Ecological Irreversibility: The Case of India," paper presented at the Association for Asian Studies, 38th Annual Meeting, Chicago, Illinois, March 21-23, 1986.
24. "The Other 'Energy' Crisis: Some Statistical Evidence from India," Sustainable Development of Natural Resources in the Third World, International Symposium, held at Ohio State University, Columbus, Ohio, September 4-7, 1985.
25. "The 'Other' Energy Crisis and Economic Development," Mid-Continent Regional Science Association Annual Meeting, University of Minnesota-Duluth, June 9-11, 1985, Duluth, Minnesota.

DISCUSSION/SESSION CHAIR

1. Discussant, "Physical Capital, Blue Collar Workers and White Collar Workers," Mid-Continental Regional Science Association Annual Meeting, Duluth, Minnesota, June 3-5, 1993.
2. Discussant, "The Cost of Child Care for Single Mothers - Its Effects on Labor Force Participation and AFDC Participation," Midwest Economic Association Annual Meeting, Chicago, Illinois, March 29-31, 1990.
3. Discussant, "Married Women's Allocation of Time to Voluntary Work," Midwest Economic Association Annual Meeting, Chicago, Illinois, March 29-31, 1990. Session Chair, "International Issues," Mid-Continental Regional Science Association Annual Meeting, Chicago, Illinois, May 30-June 1, 1991.
4. Session Chair, "Topics in Economic Development," Midwest Economic Association Annual Meeting, Chicago, Illinois, April 7-9, 1988.
5. Discussant, "Public Enterprises in Latin America," AIES Session, Allied Social Sciences Association Meetings, New Orleans, Louisiana, December 28, 1986.

CONFERENCES AND MEETINGS ATTENDED

1. American Association of Community Colleges (AACC), Annual Meetings, 2001, 2002
2. Association of Institutional Researchers of the Upper Midwest, (AIRUM) Annual Meeting, 2003, 2004, 2005
3. Association of Institutional Researchers (AIR) , Annual Meeting, 2005, 2006
4. Council for the Study of Community Colleges (CSCC), Annual Meeting, 2005
5. Information Technology Association of America, Annual Meetings, 1999, 2000, 2001, 2002

6. Minnesota Association of Career & Technical Administrators (MACTA), 2004, 2005, 2006
7. Minnesota Economic Association Annual Meetings, Minneapolis, Minnesota, 1993, 1996, 1997.
8. National Association of State Directors of Career and Technical Education (NASDCTE), Fall Meeting, 2004, 2005
9. National Association of State Directors of Career and Technical Education (NASDCTE), Spring Meeting, 2004, 2005
10. Policy Analysis Conference, Annual Meetings, St. Paul MN, 1996, 1997, 1998, 1999, 2000, 2001.
11. Minnesota Economic Association Annual Meetings, Northfield, Minnesota, October 1992.
12. Midwest Economics Annual Association Meetings, St. Louis, Missouri, April 1991.
13. Workforce Development Institute, Winter Meeting, AACC, February, 2002, January, 2006

PARTICIPATION ON PROFESSIONAL AND COMMUNITY-RELATED COMMITTEES

Professional

- Member, National Association of Workforce Education, Board, 2007-
- Member, National Association of State Directors of Career and Technical Education Consortium, 2007-
- Member, Program Committee, Joint International Summit on Community & Rural Development, 2000-01
- Member, Information Technology Association of America Workforce Committee, 1999-
- Member, Citizens League Task Force on Workforce Training, 1999
- Member, Policy Analysis Conference Planning Committee, 1998, 2001
- Member, Minnesota Skills Standards Task Force, 1998

Community-Related

- Board Member, Eagan Community Foundation, 2002-2004
- Member, Citizens League Task Force on School Completion in Minneapolis and St. Paul, 2001
- Member, Program Committee, Joint International Summit on Community & Rural Development, 2000-01
- Member, Information Technology Association of America Workforce Committee, 1999-
- Member, Citizens League Task Force on Workforce Training, 1999
- Member, Policy Analysis Conference Planning Committee, 1998, 2001
- Member, Minnesota Skills Standards Task Force, 1998
- Member, Resource Planning Advisory Group, Minnesota Power, 1991-92.
- Member, Community Education Advisory Council, Independent School District #709, Duluth, Minnesota, 1988-89.
- Member, World Affairs Committee, Community Education, Duluth Public Schools, Duluth, Minnesota, 1986-89.
- President, Cosmopolitan Club, University of Illinois, 1982-83.
- Co-President, International Colloquium, University of Illinois, 1981-82.
- President, India Students Organization, University of Illinois, 1978.

OTHER PROFESSIONAL ACTIVITIES

1. Speaker, "The Minnesota CTE Model: Making Secondary and Postsecondary Engagement, Achievement, and Transitions Easier," Indianapolis, Indiana, February 6, 2009.
2. Speaker, "Developing the Minnesota Five-Year Perkins State Plan Under the 2006 Carl D. Perkins Career and Technical Education Act," St. Cloud Minnesota, August 1, 2007
3. Speaker, "Minnesota's Perspective on Standardizing the Postsecondary Nontraditional Performance Indicators: Connecting the Ideal to the Data and Making it Real," Data Quality Institute, Washington DC, Office of Vocational and Adult Education, Washington DC, February 9, 2006
4. Speaker, "A Framework for Improving CTE Student Performance: The Current Research, Upcoming Policy Challenges and Perkins Reauthorization," Minnesota State Colleges and Universities, Mid-Minnesota Perkins Partners Annual Meeting Tuesday, Litchfield Minnesota, January 17, 2006
5. Speaker, "Standardization: Why Now? A Post-Secondary Perspective from Minnesota," Data Quality Institute, Washington DC, Office of Vocational and Adult Education, Phoenix AZ, June 14, 2005
6. Speaker, "Planning for Implementing a New Law," National Association of State Directors of Career and Technical Education (NASDCTEc) Washington DC, 2005
7. Speaker, Getting a Jump on a Not-Yet (But Sure-To-Be) Reauthorized Law: Preview and Unanswered Questions," Chief Student Affairs Officers/Chief Academic Officers, Minnesota State Colleges and Universities, Deerwood, MN, October 27, 2004
7. Speaker, "Making Educational Results Visible: The Effective Use of Data in an Emerging Policy Framework," Hennepin Technical College, May 20, 2002
8. Speaker, "Making Educational Results Visible: The Effective Use of Data in an Emerging Policy Framework," Hennepin Technical College, May 20, 2002
9. Speaker, "Recognized Skill Sets' Integration into Higher Education Curricula: A Study Framework for Perkins Affiliated Colleges," Minnesota State Colleges and Universities Perkins Coordinators Winter Meeting, January 10, 2002
10. Speaker, "Why is College Important for Your Career?" Irondale High School, Mounds View, Minnesota, May 16, 2001
11. Expert Panel Member, "Beyond Accountability: Future of Technical Training in Vocation Schools," A National Center for Research on Vocational Education (NCRVE) Sponsored Conference, October 11, 1999
12. Speaker, "Emerging Challenges in the Health Care Industry in Minnesota: The Interaction of Technology Diffusion and Industry Structure," State Spring Meeting, MSSAMT, CLMA MNSCLS, May 19, 1995, Duluth, Minnesota.
13. Speaker, Summary Presentation of Resource Planning Advisory Group Report to Minnesota Power Management, May 6, 1992.
14. Instructor, Elderhostel Program, The College of St. Scholastica, Duluth, Minnesota, "Money, Minds and Markets: A Diversity of Economic Systems," July 22-26, 1991.
15. Speaker, "Justice and Economic Growth: Keys to Peace in the Developing Nations," Duluth Community Education and Duluth Public Library Global Awareness Project, March 7, 1988.
16. Presented a guest lecture in Acct 5523, International Accounting, University of Minnesota-Duluth, Winter 1985.
17. Panelist, World Food Day Symposium, Wisconsin Indianhead Technical Institute, Superior, Wisconsin, October 16, 1985.
18. Presented a talk at the Duluth Economic Educators Association, topic: "International Agriculture," Duluth, Minnesota, January 1985.