

**DAVID PIJAWKA**  
**CURRICULUM VITAE**

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**CURRENT POSITIONS**

*Professor*

*School of Planning*

College of Design

Arizona State University

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E-mail: pijawka@asu.edu

**EDUCATION**

Ph.D. School of Geography, Clark University, Massachusetts, 1983. (Environmental Resources; Cognition and Behavior; Hazards/Risk Management Specializations) (Ph.D. Committee: Robert W. Kates, Roger Kasperson, and Leonard Berry).

M.A. Clark University, Massachusetts, 1978, School of Geography

B.A. (Honours) Brock University, Ontario, Canada, Geography, 1971.

**ACADEMIC POSITIONS**

*Director, Ph.D. Program in Environmental Design and Planning.* College of Architecture and Environmental Design. 2001-present. Arizona State University.

*Professor of Planning,* School of Planning, College of Architecture and Environmental Design, Arizona State University, 1994-present. (Affiliated Professor of Environmental Resources, 1996-1999).

*Professor of Public Administration and Policy,* School of Public Affairs, College of Public Programs, Arizona State University, 1992-1993.

*Associate Professor of Public Administration and Policy,* School of Public Affairs, Arizona State University, 1987-1992. (Director, Urban Administration Specialization).

*Assistant Professor of Public Administration and Policy,* School of Public Affairs, Arizona State University, 1983-1987.

*Associated Faculty,* Center for Advanced Transportation Systems Research, College of Engineering, Arizona State University.

*Faculty, Doctor of Public Administration (DPA) Program.* College of Public Programs. Arizona State University. 1993 to 2000. Member of the DPA Executive Committee, 1995-2000.

## **ADMINISTRATIVE EXPERIENCE** (*descriptions end of vitae*)

*Director, Ph.D. Program in Environmental Design and Planning.* College of Architecture and Environmental Design, Arizona State University. May 2001 to present. College-wide Interdisciplinary Ph.D. Program.

*Acting Director, School of Planning and Landscape Architecture,* College of Architecture and Environmental Design. 1997- 1998 (replacement of Director during sabbatical).

*Interim Director, Center of Environmental Studies,* Arizona State University. July 1995 to December 1996.

*Executive Committee and Co-director, Southwest Center for Environmental Research and Policy (SCERP),* 1995-2001. Five U.S. and five Mexican university executive committee to secure funding, set policies, select research projects, produce reports, develop conferences and workshops, and establish partnerships with governmental and research institutions related to environmental problems in the U.S.-Mexican border region. Approximately \$2.5 million funding annually. Cooperative Agreement, U.S. Environmental Protection Agency and U.S. Congress.

*ASU Program Director, Southwest Center for Environmental Research and Policy (SCERP),* 1995-2001. Responsibilities included management of SCERP budget at ASU, faculty grant support, development of interdisciplinary border environmental research programs, review research, and development of monograph series. (1 FTE secretary, 2 FTE graduate assistants, and \$65,000 annual management budget). \$3.2 million, 1995-2001.

*Director/Principal Editor, Recycling Review.* Quarterly environmental newsletter, 1992-2000. Partnership for Environmental Education: *Arizona Public Service, Arizona Department of Environmental Quality, Arizona Recycling Coalition,* and *Arizona State University.* (0.5 FTE Associate Editor, Administrative secretary, 3 student assistantships). Winner of Governors Award for Environmental Leadership, 1997. (\$240,000 budget). (*Recycling Review* supported over 20 students during its eight-year publication.)

*Assistant Director, Center for Environmental Studies,* Arizona State University, 1983-1995. Headed the Social Science, Planning, and Environmental Policy Program, Center for Environmental Studies, 1983-1995.

*Senior Research Manager, Mountain West Research, Inc. Research Areas: Housing Studies, Socioeconomic Impact Assessment, Energy Studies, Science and Technology Assessment.* 1979–1982.

*Principal, Urban Environmental Research, LLC* Scottsdale, Arizona and Las Vegas, Nevada. 1997-2004. Research Consulting and professional Planning in the following areas: land use economics, risk perceptions, socioeconomic and governmental impacts of hazardous technologies (nuclear waste), futures research, community visioning.

## RESEARCH EXPERIENCE

*(Director and/or Co-Principal and Principal Investigator of Major Multi-Year Research Grants)*

*Director, Partnership in Sustainable Development:: Arizona State University and ITSON, Mexico. U.S. Agency for International Development. TIES Program. 2004-2007. \$300,000.*

*Co-Principal Investigator, Central Arizona Project- Long-Term Ecological Research Program (CAP LTER) 1998-2003. Funded by the National Science Foundation. (N. Grimm and C. Redman, Co-Directors). Involves interdisciplinary urban ecological research and monitoring program of the Phoenix Metropolitan Area. Co-Team leader of social science and human feedback elements and served on Executive Steering Committee. \$3.5 million. Approximately 40 ASU faculty and postdoctoral fellows participating. Initiated the interdisciplinary Environmental Justice Study Team within LTER, 1998-2003.*

*Principal Investigator / Consortium Director. "Environmental Research and Policy in the U.S. Mexico Border Region". Southwest Center for Environmental Research and Policy. 1995 and 1996. Project involves grant proposals, fiscal administration, manager of the cooperative agreement, final report writer and research management of a ten U.S. and Mexican university consortium. Budget: \$5.5 million. Cooperative Agreement with the U.S. Environmental Protection Agency.*

*Co-Director. "Socioeconomic Impacts of Transporting High-Level Nuclear Waste through Clark County, Nevada. 2000-2004. Studies include fiscal impact assessment, emergency management analysis, Native American Environmental Justice, and Risk Perception /Economic Impacts, tourism impacts, land value effects, impact monitoring systems, Intelligent Transportation Systems, Clark County Department of Comprehensive Planning , Clark County, Nevada.*

*Co-Director, 1986-1987. On leave from Arizona State University. Socioeconomic Impacts of Nuclear Waste Disposal and Repository Siting. Funding from U.S. Department of Energy through State of Nevada, Nuclear Waste Policy Office. Co-Director of research projects at eight universities and national research centers. \$3.5 million budget. Project housed with Mountain West Research, Inc.*

*Co-Director / Co-Editor. "Town Hall Research Reports" for the City of Phoenix, Sedona Academy, and the Arizona Academy. Involvement to produce policy background reports for community and state town halls. Co-editor of Town Hall reports and facilitator. School of Public Affairs, Arizona State University, and the Morrison Institute for Public Policy. 1985-1994.*

*Co-Principal Investigator. Socioeconomic Impacts of Nuclear Power Plants in the US. U.S. Nuclear Regulatory Commission. \$640,000. Mountain West Research, Inc. 1979-1982. Assessment of 12 nuclear facilities including the socioeconomic effects and public responses related to the Three Mile Island nuclear facility accident.*

## **ASU SERVICE ACTIVITIES (2000-2004) – SELECTED**

- ASU-Monterrey Tech. (ITESM) Partnership. ASU Delegation. 2004.
- Research Deans Committee. Arizona State University. 2004
- Chair, Personnel Committee, School of Planning and Landscape Architecture, College of Architecture and Environmental Design. (Spring 2003).
- Co- Director, ASU Workshop – Partnership for a Sustainable U.S.-Mexico Border. Funded by SCERP, COLEF and National Assembly of New York. 2004.
- Graduate Council, Arizona State University. Graduate College. (2001-2003).
- Executive Advisory Committee, Center for Environmental Studies, Arizona State University.(2000-2004)
- Invited Speaker. Presentation on Environmental Policy of the U.S. to ASU Training Program for Urban Managers from China. 2003.
- Del. E. Webb School of Construction. Energy Efficient Home-Building. Jury 2002, 2003.
- Administrative Council, College of Architecture and Environmental Design (2001-2004).
- Co-Investigator with Stuart Fisher (Biology), Analysis and Report. Interdisciplinary PhD Programs at ASU: Challenges and Opportunities. Submitted to ASU Graduate College.2002.
- Invited Speaker, 12<sup>th</sup> Annual Conference on Economic Development in Mexico. Obregon, Mexico. 2004. Presentation on ASU-ITSON Partnership Building.
- Hosted faculty from ITSON Mexico – Partners in US AID TIES proposal.
- Appointed and participated at Workshop at the ASU Stardust Foundation on Affordable Housing. 2003.
- Service activities for ASU OPI Initiatives and ASU Sustainability Initiative. Arizona State University.
- Strategic Planning for the Navajo Nation. 2004.
- Search Committee, School of Planning and Department of Geography, Borderlands Scholar. 2004.

## **CURRENT RESEARCH AND SCHOLARSHIP**

- US- Mexico Environmental Research, Training and Policy (Four funded research projects)
- Environmental Justice Studies
- Perception, Social and Behavioral Research
- Sustainability : Social Dimensions and Community Planning
- Risk Analysis and Hazards Research (Nuclear Waste Issues)
- Native American Communities
- Holocaust : Memory and Meaning

## COURSES TAUGHT

- Environmental Design (Theory and Practice) PhD. Seminar
- Planning Methods (graduate and undergraduate degree programs)
- Thesis Preparation (Master's level)
- Environmental Planning
- Green (Sustainable) Building
- Introduction to Urban Planning
- Urban Planning
- Urban Planning Administration
- Environmental Policy
- Planning Workshop
- Crisis Management
- Politics of Urban Planning
- Environmental Risk Assessment
- Bureaucracy and Public Affairs
- Planning Studio (Master's level)
- Interdisciplinary Research Methods (PhD Level)
- **Sustainable Cities (PUP 194). New interdisciplinary course on sustainability and urban areas for freshmen across campus. Accepted for the Honors Program and fulfills general studies requirements for three areas. Fall 2004.**

## HONORS, RECOGNITION AND SPECIAL ADVISORY APPOINTMENTS

*Certificate of Appreciation.* Jury participation. 2003 SRP Sustainable Housing Competition. Del E. Web School of Construction, Fulton College of Engineering, ASU.

*Planning Accreditation Board (PAB).* Appointed Site Visitor Pool. American Planning Association. 2001 – 2004. *Certificate of Commendation for Outstanding Service.* 2003.

Appointment, Member of the Arizona Environmental Strategic Alliance. 2003-2006.

Member, Lambda Alpha International (honorary land economics society). 1999-2002.

*Invited Presentation.* "Sonoran Collaborations: Sustainable Neighborhood Design in the Desert Southwest" U.S. Environmental Protection Agency. Citizen Participation National Conference on Environmental Quality" with F. Steiner. San Antonio. Texas. 2001. (The project involved six focus groups, interactive design sessions, two charrettes and a public forum—over 100 participants) The project was featured in *Planning* magazine, "Designs in the Desert" by K. Ingley, February, 2001. pp. 18-21.

Arizona Liaison to National Conference on Sustainable America, 1999-2000. Appointed by the U.S. Council on Sustainable America. Represented ASU and Arizona at National Sustainability Conference. Detroit, Michigan.

*Best Student Planning Award.* Graduate Student Studio. Course Instructor. 1997. Arizona Planning Association. (*Trails Planning for Papago Park*)

*'Aaron Wildavsky Book Award'*. Policy Studies Organization. 1997. for "one of the best policy book since 1975."

*Governor's Pride in Arizona Award*, Honorable Mention for Environmental Leadership. 1997. Award for environmental newsletter, *Arizona Recycling Review*. (Director and Principal Editor of quarterly newsletter). 1992-2000.

*President's Award for Environmental Excellence*, Valley Forward Association, Arizona. 1996. Co-Recipient, Arizona Public Service Company, Jones Studio, and Arizona State University. Recognition for research and development of the Environmental Showcase Home. Co-participant.

*Crescordia Award for Excellence in Environmental Education*. 1996. Arizona Public Service Company and Arizona State University. Recognition by Valley Forward Association for *Environment Comes Home* book (co-author) and other outreach activities.

*Leg of the Stool Award, Excellence in Teaching*, School of Public Affairs, College of Public Programs, Arizona State University. 1993.

U.S. Department of Energy - *Public Participation Seminar Series Panel*. 1995. Washington, D.C. "Public Trust and Nuclear Waste Policy". Invitation by the U.S. Secretary of Energy. With A. Mushkatel.

*Leg of the Stool Award, Excellence in Public Service*, School of Public Affairs, College of Public Programs, Arizona State University. 1992.

*Certificate of Commendation. The Phoenix Neighborhood Project: Neighborhood Identification and Development*. Futures Forum, City of Phoenix. 1992 (Background research report to City of Phoenix, Futures Forum).

*Appointed Member, Committee on Transportation of Hazardous Materials. National Academy of Sciences and Engineering*, Transportation Research Board, 1987 - 1990.

*Leg of the Stool Award, Excellence in Public Service*, School of Public Affairs, College of Public Programs. 1989.

*Appointed Member*, Governor's Commission on Arizona Environment. 1983-1991.

Appointed, *Arizona Representative to Hazardous Waste Management Program*. U.S. Environmental Protection Agency and American Association of Public Health. 1983. Washington, D.C.

*University Research Fund Award*, Arizona State University "Decommissioning Nuclear Facilities, \$33,000, 1984. Co-recipient with P. McClain and M. Pasqualetti.

*Outstanding Arizona Planning Document Award*. American Planning Association. 1982 "Development Potential of State of Arizona, Urban Trust Land: Deer Valley. (with others)

## STUDENT AWARDS AS ADVISOR AND INSTRUCTOR

- Juratovic Memorial Award for PhD students in program, \$50,000, 2001- Present
- John Blair, SCERP Grant, \$22,000, U.S. EPA. 2000-2001; Post-Doctoral grant, U.S. EPA, \$14,800. (Advisor/Chair).
- John Blair, Phelps Dodge Ph.D. Scholarship, 1999-2000 (Advisor).
- Patricia Olson, ASU Ph.D. Research Fellowship, 1999-2000; ASU Scholarship 2000-2001. (Advisor and Chair).
- Lynn Sugiyama, 1997, Nominated Best Masters Thesis by School of Planning and Landscape Architecture. (Chair of Thesis Committee).
- Graduate Studio Course. Best Student Planning Award. Project: *Trails Plan for a Desert Park: Papago Park*. Arizona Planning Association. 1997 (course instructor).
- Sulemein Ashur. Ph.D. Student. First Prize Award. Paper on "Risk Analysis and Hazards Management in Transporting Hazardous Waste". Arizona Waste Management Conference. Civil and Environmental Engineering Association. 1994 (Advisor and Co-Chair).

## NEW AND EMERGING SCHOLARSHIP (2003-2004)

### ***NATIVE AMERICAN COMMUNITIES***

- Strategic Planning and Facilitation for the Navajo Nation. *Strategic Plan and Implementation of the Local Governance Act for the Navajo Nation*. 2003-2004. Co-Principal Investigator. Report to be published in 2004 – 2005. Pro Bono community service for ASU.
- Environmental Justice and Threatened Landscapes of the Southern Paiute Nation. *Impacts of Nuclear Waste Shipments on the Southern Paiute Nation in Nevada: Environmental Justice Issue*. Co-principal Investigator with Ian Zabarte, UNLV. Report published by the Comprehensive Planning Department, Clark County, Nevada. (Work currently being prepared for a book).
- Environmental Issues on Indian Lands in the U.S.- Mexican border region. With R. van Schoick. Directed Research Program, SCERP. 2000-2001. Involves Focus Group with border tribes and development of five discrete SCERP research projects on border Indian lands.

### ***COLLABORATIVE DESIGN***

- Directed public Focus Groups on the following research topics: Institutional Trust and Governmental Policies, Risk Perception and Quality of Life Surveys, Social Capital and the Democracy Index (Sedona), Sustainable Development in Sedona, ASU Focus Group with directors of interdisciplinary degree programs, six focus groups on sustainable neighborhood designs in Phoenix including co-directing an Interactive Design Session, among others. Currently outlining book involving the uses of collaborative processes in planning, design and policy.
- Facilitator of Strategic Planning session related to local governance for Navajo Nation Chapters and development of collaborative Strategic Planning.

### ***SUSTAINABILITY PROGRAMS IN HIGHER EDUCATION***

Research on bi-national university partnership-building on sustainability (presentation for Conference on Sustainability in Higher Education, September 2004); Paper accepted on Participation and Sustainability in the Inner City – role of university theme, September 2004 conference, Louisville, Kentucky; Interdisciplinary PhD environmental design and planning programs (published in Doctoral Education in Design, Conference Proceedings 2003: University consortia organization and processes for long-term success -- subject of SCERP volume –SCERP Research Monograph #5 2003: *Overcoming Vulnerability in the US- Mexico Border Region*).

## THESIS AND DISSERTATION COMMITTEES

<u>Name</u>	<u>Chair/ Member</u>	<u>Complete=C Ongoing=O</u>	<u>Name</u>	<u>Chair/ Member</u>	<u>Complete=C Ongoing=O</u>
<b>Master in Environmental Planning</b>			<b>Ph.D. in Public Administration</b>		
Maria DeebAnn Belford	Chair	C	Niyi Ibitayo	Chair	C
Larry Smith	Member	O	Cecilio Ortiz	Member	C
Donna Stevens	Member	C	Robin Douglas	Member	C
Colleen Charski	Member	C	Patricia Jones	Chair	C
Joaquin Maruffo	Chair	C	Wubashet C.	Member	C
Elizabeth Boetcher	Member	C	<b>Ph.D. in Environmental Design and Planning:</b>		
Jodie Novak	Chair	C	John Blair	Chair	C
Chris Magnuesson	Member	C	Patricia Olson	Chair	C
Lynn Sugiyama	Chair	C	Tom Helmer	Chair	C
Tom Hines	Member	C	Richard Kruze	Member	O
Tanya Carinci	Chair	C	Sheila Conway	Chair	C
Nitra Adam	member	C	Caroline Lobo	Chair	C
Michael Warren	Chair	C	Michael Collins	Chair	O
Kassandra Torres	Chair	O	Susan Goldsmith	Member	O
Bill Kasson	Chair	C	<b>Ph.D. in Geography</b>		
Rupam Raja	Chair	C	A. Soesilo	Co- Chair	C
Bob Woworski	Member	C	M. Wyman	Member	C
Joseph D'Onofrio	Member	C	<b>Ph.D. in Sociology</b>		
Katherine Goodrich	Member	C	Diane Sicotte	Member	C
Ron Wood	Chair	C	<b>Ph.D. in Civil Engineering</b>		
Grettal Vargas	Co-Chair	C	Suleiman Ashur	Co-Chair	C
Sarah Lebeidnik	Chair	C			
Eva Ip	Chair	C			
Scott Weeks	Co-Chair	C			
David Gould	Member				
<b>Master in Geography:</b>					
Sheila Conway	Member	C			
<b>Master in Design/Architecture:</b>					
Debra Clayton	Chair				
Caroline Lobo	Member	C			
		C			
<b>ASU Honors Program:</b>					
Jeff Hebury	Chair				
Alisa Jellum	Chair	C			
		C			

## GRANTS AND CONTRACTS

- "Building Partnerships between ASU and ITSON – instruction, research and outreach. Director, US AID, TIES Program. \$300,000. 2004-2007.
- "Quality of Life Assessments in the Border Region – Mexicali and Calexico Region." With S. Guhathakurta, E. Sadalla, and D. Pijawka. Co-PI. SCERP –EPA. 2004. \$54,000.
- "Sustainable Community Development in the US – Mexican Border—the Case of Tecate" SCE RP - EPA. 2004..H. Dandekar (PI), D,Pijawka, J.Golden, H. Bryan and others. \$74,000.
- "The Building Technology Research Consortium". Leading Institution, Virginia Tech with ASU, Michigan State and URS Corporation. ASU is subcontract to Virginia Tech. U.S. Housing and Urban Development: Building Technology Research and Support. Indefinite Quantity Contract. No more than \$50 million over 5 years. PI at ASU- Howard Bashford. Del E. Web School of Construction, Fulton College of Engineering. Pijawka Role – One of 18 Lead Investigators, 2003-2008.
- "An Operational Community Indicator Program for the San Diego- Tijuana Metropolitan Region – A Model for the Bi-National Region". Principal Investigator. U.S.EPA/ SCERP. \$14,800. 2001 – 2002. (Support for Post –Doctoral Student).
- "Central Arizona Project: Long-term Ecological Research." Co- principal Investigator. 2002-2003. One year Renewal Grant. National Science Foundation. \$800,000.
- "Special Issue of the *Journal of Landscape and Urban Planning*." Principal Investigator. SCERP/ EPA. 2003 –2004. \$4,800.
- "Arizona- Sonora Workshop on Environmental Problems – Bi –National Solutions and Planning." Principal Investigator. 2003- 2004. EPA-SCERP. \$12,500. (Now integrated with the National Assembly of New York Grant on Science and Technology with ASU –OPI). Joint workshop April 2004.
- "U.S.-Mexico Border Region Environmental Research." Southwest Center for Environmental Research and Policy. Cooperative Agreement U.S. EPA and U.S. Congress. 2001. ASU Program Director. \$2.5 million.
- "Sustainable Neighborhood Design Publication". Co-Principal Investigator with F. Steiner. Arizona Public Service. 2000-2001. \$7000.
- "Impact Assessment Studies Related to the Yucca Mountain Nuclear Waste Program". Funded by Clark County, Nevada, Nuclear waste Division, Clark County Comprehensive Planning, Co-Principal Investigator. 2000-2004.
- "Impacts of Transporting Nuclear Waste on Property Values". Funded by the Nuclear Waste Policy Office, State of Nevada. Co-Principal Investigator. 2000-2001.

"Public Perception Survey on Property Value Diminution related to the Transportation of Nuclear Waste. Funded by the Nuclear Waste Policy Office, State of Nevada with University of Nevada Las Vegas. 2000-2001.

"Community Livability, Impact Assessment and NEPA: Evaluating the Effects of DOE's Nuclear Waste Program". Clark County, Nevada. Co-Principal Investigator. 2000-2001.

"Bi-National Planning for Sustainability in the U.S.- Mexico Border Region". SCERP Special Award. For Book.. U.S. Environmental Protection Agency, Cooperative Agreement. 2000-2001. \$25,000.

"U.S. - Mexico Border Region Environmental Research" Southwest Center for Environmental Research and Policy. EPA and U.S. Congress. 2000. Program Co-Director. \$2.5 million.

"Environmental Equity/Justice in Phoenix". Internal ASU support, Urban Long-Term Ecological Research grant (National Science Foundation and Provost Office, ASU). With others. Co-Principal Investigator. 1999-2001. \$60,000.

"U.S. - Mexico Border Region Environmental Research" Southwest Center for Environmental Research and Policy. 1999. \$3 million. Cooperative Agreement with U.S. EPA. Program Co-Director.

*Recycling Review* Newsletter. Project Director and Editor. Arizona Department of Environmental Quality, 1998, 1999. \$60,000.

"U.S. - Mexico Border Region Environmental Research" Southwest Center for Environmental Research and Policy. 1998: \$3 million. Cooperative Agreement with U.S. EPA. Program Co-Director.

"Central Arizona-Phoenix Long-Term Ecological Research." Co-Principal Investigator (social science and human feedbacks elements). National Science Foundation, 1998-2003. \$3.2 million (N. Grimm and C. Redman, Co-Directors).

"Sustainable Neighborhood Design for the Desert Southwest." Co-Principal Investigator (with F.Steiner). 1997. (\$70,886). U.S. Environmental Protection Agency. (One of ten proposals funded by the U.S. EPA out of 650 submitted).

"U.S.-Mexico Border Region Environmental Research." Principal Investigator. Southwest Center for Environmental Research and Policy 1996, \$2.5 million, U.S. Environmental Protection Agency.

"U.S.-Mexico Border Region Environmental Research. Principal Investigator. Southwest Center for Environmental Research and Policy 1995, \$2.0 million, U.S. Environmental Protection Agency.

*Recycling Review* Newsletter. Project Director and Editor. Arizona Department of Environmental Quality, 1997. \$30,000.

Pollution Prevention and Hazardous Waste Minimization Workshops, Arizona Department of Environmental Quality and U.S. E.P.A. Arizona State University. 1996.

"Routing, Risk and Transportation Planning Using GIS ." Co-Principal Investigator. U.S. Environmental Protection Agency, 1995-1997. \$87,000.

"Perceptions of Environmentally Responsible Building Design and Materials: APS Environmental Showcase Home." Arizona Public Service, 1996.

"State Institutional Impacts from the High-Level Nuclear Waste Repository." Co-Principal Investigator. Nevada Nuclear Waste Project Office, 1994-1995. \$17,500.

"Urban Impacts, Environmental Stigma, and Land Diminution." Nevada Nuclear Waste Project Office through the U.S. Department of Energy, March 1994-January 1995. \$150,000.

"Environmental Perception and Socioeconomic Impacts of Nuclear Waste Disposal." U.S. Department of Energy through Nevada Nuclear Waste Policy Office, 1996. Five separate studies. Co-Principal Investigator. \$95,000

"Comparative Life Cycle Assessment: Environmental Materials and Impacts of Sustainable Homebuilding Design." Arizona Public Service. Co- Principal Investigator, 1995. with M. Pasqualetti. \$87,000.

"Environmental Showcase Home" - Book Contract. Principal Investigator. Research on the background, development, and building of APS's environmental home in Phoenix, Arizona. Arizona Public Service. 1995. \$31,000. (Book published 1996, University of Arizona Press.)

Newsletter on Reuse and Recycling. *Recycling Review*. Arizona Department of Environmental Quality, Project Director and Editor, 1994 and 1995. \$60,000.

Re-use, Reduce and Recycle Newsletter. Competitive Grant award from Arizona Department of Environmental Quality, 1993. Principal Investigator/Project Director. (\$33,000).

"Risk Analysis of the Transportation of Hazardous Materials in the U.S. - Mexico Border Region." U.S. Environmental Protection Agency with Southwest Center for Environmental Research and Policy, 1993. Principal Investigator. \$50,000.

"Trust and Nuclear Waste Policy: What the Data Tells Us About Management Options." Position paper and presentation to the Secretary, U.S. Department of Energy. 1993. Co-Principal Investigator.

"Land Values and Development Impact Analysis of Shipping Nuclear Waste to the WIPP Repository." Dushoff, McCall and Zeitlan, 1993. Principal Investigator.

"Environmental Stigma, Risk Perceptions and Land Value Effects of Sewage Treatment Plants: A Contingent Valuation Analysis." Dushoff, McCall and Zeitlan, 1992. Principal Investigator.

"Emergency Response Capacity to High-Level Nuclear Waste and Hazardous Materials Transportation Incidents in Esmeralda County, Nevada." Esmeralda County and the U.S. Department of Energy, 1992. Co-Principal Investigator. \$45,000.

Hazardous Waste Minimization Workshops. U.S. Environmental Protection Agency and the Arizona Department of Environmental Quality. Funding for workshops and manual. 1987-1996.

- "The Relationship between Political Trust and Risk Perceptions Involving Siting of Hazardous Facilities: Survey of Las Vegas Metropolitan Residents." Co-Principal Investigator. State of Nevada Nuclear Waste Policy Office. December 1991- April 1992. \$18,500.
- "Relationships between Trust and Risk Perceptions: Literature, Focus Groups, and Methodological Issues." Nevada Nuclear Waste Policy Office. 1991-1992. Co-Principal Investigator.
- "Guidelines for Siting Noxious Facilities in the U.S. Southwest." U.S. Environmental Protection Agency. Principal Investigator. 1992. \$14,000.
- "State of Nevada Comprehensive Emergency Management Plan." Nevada Division of Emergency Management. State of Nevada. 1992. Co-Principal Investigator.
- Solid Waste Re-use, Reduction and Recycling Newsletter." Grant award from Arizona Department of Environmental Quality. 1992. Project Director and Editor. \$28,000.
- "Rural and Urban Differences in Resident's Risk Perceptions of the High-Level Nuclear Waste Repository." U.S. Department of Energy and Nevada Nuclear Waste Policy Office. 1991. Co-Principal Investigator.
- "Analysis of Small Quantity Generators of Hazardous Waste: Database, Profile and Policy." U.S. Environmental Protection Agency and Arizona Department of Environmental Quality. 1991. Principal Investigator.
- "Hazardous Waste Minimization Practices and Regulation." Co-Principal Investigator. Funded by U.S. Environmental Protection Agency and Arizona Department of Environmental Quality. 1991. Funding for seminar.
- Special Issue. *Policy Studies Review*. Nuclear Waste Policy and the Repository Siting Issues. Grant from the Nevada Nuclear Waste Policy Office. 1991. Policy Studies Organization. \$10,000.
- " A Survey of Tourist Activities in Arizona." Co-Principal Investigator. Funded by the Arizona Office of Tourism and Northern Arizona University. 1991. \$17,000.
- "Waste Stream Analysis and Database Management System for Solid Waste Planning in Maricopa County, Arizona." Maricopa Association of Governments. Principal Investigator. 1991. \$75,000.
- "Citizen Risk Perceptions of High-Level Nuclear Waste Repository." Nevada Nuclear Waste Policy Office. Co-Principal Investigator. August 1989 - July 1990. \$35,000.
- "Market Survey of Tourists in Arizona." Funded by the Arizona Office of Tourism. October 1989 -October 1990. Phase I. Co-Principal Investigator. (\$55,000).
- "Urban Impact Report: Citizen Risk Perceptions of the High-Level Nuclear Waste Repository". Co-Principal Investigator. July 1990. \$35,000.
- "The Impact of Tourism on the Arizona Environment: A Conceptual Framework and Assessment." Funded by the Arizona Office of Tourism, 1989.

- "Risk Assessment, Perception Studies, and Behavioral Effects of Residents in Clark County, Nevada of the Nuclear Waste Repository." U.S. Department of Energy and Nevada Nuclear Waste Policy Office. Co-Principal Investigator. 1987-1988. \$260,000.
- "Socioeconomic Impact Assessment of Siting the High-Level Nuclear Waste Repository in Nevada." Funded by State of Nevada and U.S. Department of Energy. Research Co-Director of \$3.5 million study and manager. (10 universities and research institutes). One-year leave of absence from ASU to direct and manage research program. Studies included risk perception surveys, behavioral and economic impacts, strategies for siting hazardous facilities, impact mitigation strategies, transportation risk planning, environmental risk assessments, and governmental management issues.
- "Evaluation of Emergency Responses and Planning Related to the Pepcon Explosion in Henderson, Nevada." University of Nevada at Las Vegas. Co-Principal Investigator. 1988.
- "Transportation Risk Analysis and Routing Assessment of Shipping Hazardous Waste to the Proposed Arizona Hazardous Waste Management Facility." Funded by the Arizona Department of Environmental Quality, Principal Investigator. 1987.
- "Analysis of Transportation Impacts, Land Development and Value Effects and Costs of Siting the Southwest Regional Landfill in Maricopa County." Funded by Maricopa County, Arizona. Principal Investigator. Subcontractor for Dames and Moore Engineering. 1987.
- "Hazardous Materials Planning and Waste Transportation in Arizona and Strategies for Risk Reduction." Funded by Arizona Department of Transportation and U.S. Department of Transportation, Federal Highway Administration. Principal Investigator. 1986-1987. \$90,000.
- "Policy Options for Routing Nuclear Waste Shipments in the Western States." Facilitator. Western Governors Association. Nuclear Waste Transportation Committee, 1986.
- "Issues in Decommissioning Nuclear Power Plants." University Research Fund, Arizona State University. 1985. Co-Principal Investigator. \$35,000. Analysis of utility planning, land use issues, risk management, residual exposure, evaluation of federal regulations.
- "Siting Analysis and Environmental Impacts of the Northwest Regional Landfill and Assessment of Landfill Alternatives." Funded by Maricopa County through Dames and Moore Engineering through SCS Engineering. 1986. Principal Investigator. \$35,000.
- "Feasibility of Developing State Urban Trust Land in Chino Valley, Arizona." Arizona State Land Department, 1984. Co-Principal Investigator.
- "Environmental Impacts, Public Health and Safety Analysis, Transportation Risks and Mitigation Planning." Sections of the Environmental Impact Report on the Proposed Arizona Hazardous Waste Management Facility. Funded by U.S. Environmental Protection Agency. 1984. \$25,000.
- "Social Impact Assessment of Coal Leasing in the Western United States." Funded by the U.S. Bureau of Land Management. Principal Researcher. 1981-1983. \$270,000. Mountain West Research Inc.

"Development Feasibility and Planning Study of Arizona Urban State Trust Lands." Funded by the Arizona State Land Department. Co-Principal Investigator. \$38,000. (Study received national planning award from the American Planning Association). Mountain West Research Inc.

"Socioeconomic and Environmental Impacts of Siting, Construction and Operation of Nuclear Generating Stations." Co-Principal Investigator. Funded by the U.S. Nuclear Regulatory Commission. 1982. \$420,000. Author of four NRC published government reports and co-author of NRC Summary Report. Mountain West Research Inc.

"Reconstruction Following Disaster." Funded by the National Science Foundation (RANN Program). Involves urban recovery planning of cities after natural disasters. Graduate Student Researcher and co-author of book. (\$340,000). Clark University. School of Geography.

## **INTERNAL ASU FUNDING**

"Sonoran Collaborations: Sustainable Neighborhood Design in the U.S. Southwest". Support for publication Office of the Vice Provost for Research. 2001.

*Evaluating ASU's Recycling Program*. Report to Office of Vice Provost for Research. 1997. Principal Investigator. \$7000.

*Environmental Justice in Phoenix*. Study team support for student research assistance and faculty. 1999-2001. Approximately \$40,000. CAP-LTER and Office of Vice Provost for Research. 1999-2001.

ASU Environmental Agenda Workshop. Center for Environmental Studies. Support from Office of the Vice Provost for Research. 1996. \$12,000.

Phoenix Area Social Survey. 2000. Team Support. ASU Vice Provost for Research, \$12,000; CLAS Multi-Investigator Proposal Development Program. \$14,000; LTER \$5000.

## **PUBLICATIONS**

### **BOOKS, MONOGRAPHS AND PUBLISHED GOVERNMENT REPORTS**

*Strategic Planning for the Navajo Nation: Implementing the Local Governance Act*. 2004. Report in preparation for the Navajo Nation, Speaker's Office of the Navajo Nation. Co-authored. 2005 Publication.

*Overcoming Vulnerability: An Environmental Research Agenda for the U.S.- Mexican Border Region*. Pijawka, David, Paul Ganster, and Rick Van Schoik.(eds.) SCERP Monograph No.5. San Diego State University Press 2003. 220 Pg.

*Sonoran Collaborations: Sustainable Neighborhood Design in the Desert Southwest*. W. Kasson, D. Pijawka, and F. Steiner. Herberger Center for Design Excellence. Arizona State University. 2001. 55Pg.

- The Environment Comes Home: Arizona Public Service Environmental Showcase Home.* 1996 Herberger Center for Design Excellence and University of Arizona Press. David Pijawka and K. Shetter. 168 pp. (Crescordia Award for Environmental Education, Valley Forward, 1996.)
- Sustainable Indicators Report Related to the Transportation of Nuclear Waste.* Co-Authored. Published by Clark County Comprehensive Planning, Clark County, Nevada. 2001.
- Potential Repository Impacts on Clark County: Community Perspectives and Sustainable Development.* Co-Authored. Published by Clark County, Department of Comprehensive Planning. December 1999. Final Report. 367 pg.
- One Hundred Centuries of Solitude: Redirecting America's High-Level Nuclear Waste Policy.* Co-authored, (Flynn, Slovic, Kasperson, Kunreuther, et al.) Westview Press. 1995, 190 pp.
- The Democracy Index: Application to Sedona, Arizona.* Sedona Academy, Research Report. Co-Editor and Co-Author. 1995, 155 pp.
- Sustainable Growth in Sedona Arizona.* Sedona Academy. Forum VIII Research Report. Editor, 1992. 120 pages.
- The Phoenix Neighborhood Study: Issues in Identifying and Forming Neighborhoods.* Published by the City of Phoenix, Futures Forum. Co-Editor, 1992. 160 pp.
- Nuclear Waste Policy and Siting the Nation's Repository.* Special Issue, *Policy Studies Review*, Co-Editor, 1992.
- Phoenix: Working Toward a Quality Future.* Fifth Phoenix Town Hall. Research Report, 1986. Co-Editor.
- Risk-Induced Social Impacts: The Effects of the Proposed Nuclear Waste Repository on Residents of the Las Vegas Metropolitan Area.* Co-authored. Published by State of Nevada, Nuclear Waste Policy Office, 1990. NWPO-SE-032-90. DOE Grant DE-FG08-85-NV10461.
- Nuclear Power: Assessing and Managing Hazardous Technology.* Second Edition. Westview Press, 1986. Ed. with M. Pasqualetti. 423 pp.
- Natural Resources and High Technology: Keeping Them Compatible.* Co-editor. Governors Commission on Arizona Environment, 1985. 135 pp.
- Socioeconomic Impacts of Nuclear Generating Stations.* Summary Report. Published by U.S. Nuclear Regulatory Commission. NUREG/CR-2750. 1982, with others. 170 pp.
- Regional Waste Stream Analysis for Solid Waste Management.* Published by Maricopa Association of Governments, Arizona. May 1991. Principal Author. 179 pp.
- Transportation of Hazardous Materials in Arizona.* With E. Radwan and A. Soesilo. Published by Arizona Department of Transportation and U.S. Federal Highway Administration, 1987. 160 pp.

*Assessing and Managing Socioeconomic Impacts of Power Plants.* Electric Power Research Institute. EA-3660. Research Project 1226-4. With others, 1984.

*Socioeconomic Impacts of Nuclear Generating Stations: Diablo Canyon Nuclear Station.* U.S. Nuclear Regulatory Commission, NUREG/CR-2749, Vol. 5, 197 pp., 1982.

*Socioeconomic Impacts of Nuclear Generating Stations: Peach Bottom Nuclear Station.* U.S. Nuclear Regulatory Commission, NUREG/CR-2749, Vol. 8, 201 pp., 1982.

*Socioeconomic Impacts of Nuclear Generating Stations: St. Lucie Nuclear Station.* U.S. Nuclear Regulatory Commission, NUREG/CR-2749, Vol. 10, 187 pp., 1982.

*Socioeconomic Impacts of Nuclear Generating Stations: Arkansas Nuclear One.* U.S. Nuclear Regulatory Commission, NUREG/CR-2749, Vol. 7, 175 pp., 1982.

*Reconstruction Following Disaster.* With J. Haas, R. Kates, M. Bowden with others. MIT Press, 1977. (Co-author.)

## EDITORSHIPS

Series Co-Editor. Monograph Series. Southwest Center for Environmental Research and Policy, 1999-2003. Five monographs published to date:

- *The U.S.-Mexican Border Environment: A Road Map to A Sustainable 2020.* Border Institute I. ed. P. Ganster, San Diego State University Press. Series Co-Editors: P. Ganster and D. Pijawka. 167 pg. 2000.
- *The U.S.-Mexican Border Environment: Water Issues along the Border.* Ed. P. Westerhoff. San Diego State University Press. 2001. Series Co-Editors: P. Ganster and D. Pijawka. 145 pg. 2001.
- *Economy and Environment for a Sustainable Border Region: Now and 2020.* Ed. P. Ganster. San Diego State University Press. 2001. Series Co-Editors: P. Ganster, D. Pijawka and A. Brazel. 145 pg. 2001.
- *The U.S.-Mexican Border Communities in the NAFTA Era. Ed N Clement. 2002. Co-Series Editors, Ganster, P., D. Pijawka, and A. Brazel. San Diego State University Press. 110 pages.*

*Arizona Recycling Review.* Director and Principal Editor 1992 to 2000. Quarterly Environmental Newsletter funded by Arizona Department of Environmental Quality and Partnership for Environmental Education: The partnership includes ASU, Arizona Public Service, Arizona Recycling Coalition and Arizona Department of Environmental Quality. Over 5000 issues printed quarterly. Governor's Award for Environmental Leadership.

## ARTICLES (\* refereed publication)

“Social and Political Amplification of Technological Disasters: The Case of the PEPCON Accident”.

- Ibitayo, N., A. Mushkatel, and D. Pijawka. *Journal of Hazardous Materials*. Accepted. In Print. 2004.\*
- "Interdisciplinary Doctoral Education in Environmental Design and Planning: Assessment of Programs, Issues, Structure and Vision." Harris, R., J. Giard, and D. Pijawka. In *Doctoral Education in Design*. D. Durling and J. Sugiyama. 3<sup>rd</sup> Annual Conference Proceedings. Japan. 2003. Pages 43-55.\*
- "Measuring the Environmental Impacts of Sustainable Neighborhoods: A Comparative Analysis." *Passive Low Energy Architecture. PLEA*. Manglani, Puja and David Pijawka. 16<sup>th</sup> Annual PLEA Conference. Santiago, Chile. Proceedings 2003. 12 Pages.\*
- "Drivers for Energy Efficiency Decisions in a Comparative Residential Construction Market." *Cost Engineering*. Vol. 44. No. 4 April 2002. pp 22-32. K. Walsh, H. Bashford, D. Pijawka, et al.\*
- "The Ecology of Technological Risk in a Sunbelt City." *Journal of Environment and Planning A*. 2002. Vol. 34, pg 317- 339. B. Bolin, A. Nelson, E. Hackett, D. Pijawka et al.\*
- "Evaluating Success in Urban Freeway Planning: The Squaw Peak Freeway, Phoenix, Arizona". *Journal of Planning Education and Research*. With J. Blair. 2001. 21: 40-51.\*
- "Environmental Stigma and Equity in Central Cities". In *Risk, Media and Stigma: Understanding Public Challenges to Modern Science and Technology*. Eds: J. Flynn, R. Slovik, and H. Kunreuther. Chapter 11. D Pijawka et al. 187-201. Worldwatch Press. London. 2001.
- "Environmental Equity in a Sunbelt City: The Spatial Distribution of Toxic Hazards in Phoenix, Arizona". Co-Author. *Global Environmental Change. Part B: Environmental Hazards 2* (2000) 11-24 pp.\*
- "Sustainable New Community Development on the Urban Fringe of Phoenix, Arizona. With F. Steiner and W. Kasson. 2<sup>nd</sup> International Conference on Sustainability in Desert Regions. Proceedings. November 1999. United Arab Emirates. 2000.
- " Planning for Hazard Mitigation in the U.S.- Mexican Border Region: An Assessment of Hazardous Waste Generation Rates for Transportation." *Journal of Borderlands Studies*. Guhathakurta, S. D. Pijawka and S. Ashur. Vol. XV. No. 2. Pages 75-90. Fall 2000.\*
- "The U.S.-Mexican Border Environment: A Roadmap to a Sustainable 2020". Co-Author. Report on Border Institute I. Rio Rico, Arizona. *Border Environmental Research Reports*. No. 5. May 2000. 31 pages. *Measuring Success in Urban Freeway Planning: The Squaw Peak Freeway, Phoenix, Arizona*. With John Blair. Working Paper Series. Herberger Center for Design Excellence. Arizona State University. September 2000. 17 pg.\*
- "Overview - The U.S.-Mexican Border Environment: A Road Map to a Sustainable 2020". with others. In SCERP Monograph No.1. ed. P. Ganster. San Diego State University Press. 2000. pp 1-28.
- "Reversing NIMBY: An Assessment of State Strategies for Siting Hazardous Waste Facilities" with N. Ibitayo. 1999, *Environment and Planning. C: Government and Policy*, Volume 17 (4): 378-389 pp.\*

- "Environmental Impact Assessment of Transporting Hazardous Waste Generated by the Maquiladora Industry in the U.S. Mexico Border Region." Co-authored. *Transportation Research Record*. P.84-92. 1998. No. 1602. National Research Council. \*
- "Environmental *Contamination*, Equity and Property Values in a Disadvantaged Urban Area: Socioeconomic Dimensions and Strategies for Planners."1998. *Journal of Planning Education and Research*. Co-authored. (Article has appeared in many planning readers across the country)\*
- "Public Art in Mitigation Planning: Case Study of the Squaw Peak Freeway, Phoenix, Arizona." 1998. *Journal of the American Planning Association*. Co-authored. 64 ( 2, Spring): 221-233. \*
- "Hazardous Waste Planning" in *Encyclopedia of Environmental Analysis and Remediation*. 1998. John Wiley and Sons, Inc. With J. A. Soesilo. P. 2072-2090
- "Transportation of Hazardous Materials." 1998. In *Encyclopedia of Environmental Sciences*. With T. Glickman. Kluwar Academic Press.
- "Environmental Showcase Home, Phoenix, Arizona: Project Report." 1997. with T. Hahn and J. Meunier, *Environmental Resource Guide*, AIA pg. 1-14.\*
- "Unsitng Nuclear Power Plants: Decommissioning Risks and Their Land use Context." 1996. With M. Pasqualetti. *Professional Geographer* 48(1):57-69\*
- "Design of Routing Networks Using GIS: Applications to Solid and Hazardous Waste Transportation Planning."1995. In *Transportation Research Record*. TRB, National Research Council, 1497, Co-authored, pg. 140-144.\*
- "Nevada Urban Residents' Perceptions of the Nuclear Waste Repository." 1993. With J. Nigg and A. Mushkatel. In Kraft and Dunlap (eds.) *The Public and Nuclear Waste: Socio-Political Dimensions of Siting*. Duke University Press, 1993 pp. 239-62.
- "Computers in Hazardous Waste Management."1994. With A. Soesilo. *McMillan Encyclopedia of Computers*,
- "The Perceived Risks of Transporting Hazardous Material and Nuclear Waste." 1993.In F. Saccamanno, ed., *International Consensus on the Risks of Transporting Dangerous Goods: Assessing the Risks*. Peer Reviewed Manuscript. University of Waterloo Press, Waterloo, Ontario, Canada. pp. 617-34.\*
- "Editors Introduction." Co-editor with A. Mushkatel. 1992. Special Issue of *Policy Studies Review on Nuclear Waste Policy and Siting the Nations Repository*. Vol. 10, No. 4. Winter 1992. 88-90 pp.
- "Public Opposition to the Siting of the High-Level Nuclear Waste Repository: The Importance of Trust." 1992. With A. Mushkatel. *Policy Studies Review*. Vol. 10, No. 4. Winter. 180-194 pp.\*
- "Introduction to Sustainable Communities." In *Sustaining Sedona's Economy*. Sedona Academy Forum VIII Research Report, 1992.
- "Community Conflict and Resolution." 1992. Chapter 7, in *Sustaining Sedona's Economy*. Sedona Academy, Forum VIII Research Report, 1992.

- "A Sustainable Economy: Perspectives From the Business Community." 1992. In *Sustaining Sedona's Economy*. Sedona Academy. Research Report. With others.
- "Political Trust's Role in Explaining Nevada Urban Residents' Perceptions of the Proposed Yucca Mountain Repository." 1991. Proceedings High-Level Nuclear Waste Conference. U.S. Department of Energy. Co-Authored.
- "A Risk and Vulnerability Assessment Approach for Selecting Routes: Case Study of Hazardous Waste Transportation in Arizona." 1991. W. Radwan and A. Soesilo. In *State and Local Concerns in Transporting Hazardous Materials*. American Society of Civil Engineers. \*
- "Projecting Hazardous Materials and Waste in Transportation: Conceptual and Methodological Factors and Applications." 1990. With Radwan and Singh. *Transportation Research Record*, No. 1264, National Research Council. Pp. 77-85.\*
- "Issues in Managing Medical and Infectious Waste: Strategies for Local Jurisdictions." With M. Katler. *1 Papers of Applied Geography*, Vol. 13, 1990. Pp. 118-126.
- "Social Impact Assessment of Siting the High-Level Nuclear Waste Repository in Nevada: The Use of Future Risk Scenarios in Survey Research." 1990. With J. Nigg and A. Mushkatel. *Proceedings of the International High-Level Nuclear Waste Management Conference*. April 8 - 12, Available through the American Society of Nuclear Engineers, New York, NY.
- "Cultural Tourism and Its Implications." 1990. Chapter 3, *Our Cultural Values: Past, Present, and Future*. Sedona Academy. Research Report, Sedona Forum VI.
- "Risk Perception and Intended Behavior: The Effects of the Proposed High-Level Nuclear Waste Repository on Las Vegas Residents." With J. Nigg and A. Mushkatel. Proceedings, *Conference on Nuclear Waste Management*. University of Arizona, Tucson, Arizona, 1988. Society of Nuclear Engineers and U.S. Department of Energy, Pgs. 103-9.
- "Measuring Environmental, Development and Property Value Impacts of Solid Waste Facilities." 1988. *Forum. Journal of the Land*, Real Estate Institute, Arizona State University.
- "Coping with Extreme Hazard Events: Emerging Themes in Natural and Technological Disaster Research." 1988. *Omega* 18(4). With W.B. Cuthbertson and R. Olson.\*
- "Development of Recreational Resources in Sedona." Chapter 5, in *Assuring a Quality Future*. Forum IV, Sedona Academy, 1988.
- "Database Systems for Hazardous Materials Transportation." 1987. *Proceedings of Microcomputer Applications in Transportation*. American Society of Civil Engineers with others. Pgs. 553-562.
- "Emergency Response to a Hazardous Materials Rail Incident in Casa Grande, Arizona." 1986. With E. Radwan and A. Soesilo. In M. Charles and J. Kim, eds. *Crisis Management: A Casebook*, Charles Thomas Publications,. Pgs. 43-65.

- "Transportation of Hazardous Waste: Database Management System for Risk Assessment." 1986. *Transportation Research Record*. Journal of the National Academy of Sciences. with others. \*
- "Agenda Setting and Non-decision Making: Decommissioning Nuclear Generating Stations." 1986. With P. McClain. *Policy Studies Review*. (Research based on a \$33,000 ASU Award)\*
- "Issues in Environmental Quality." 1986. In *Assuring a Quality Future*. Chapter 2, Forum IV. Sedona Academy, Research Report.
- "The Economics of Transporting Solid Waste: Decision Criteria for Locating Transfer Stations." 1986. *Transportation Research Record*. Journal of the National Academy of Sciences, Transportation Research Board.\*
- "Improving the Quality of Air and Water." Chapter 6, *Working Toward a Quality Future*. Phoenix Town Hall, Research Report, 1986.
- "Societal Response to Hazards and Major Hazard Events: Comparing Natural and Technological Hazards." 1985. With R. Kasperson. *Public Administration Review*. Vol. 45 January. (nominated as best article of the year in PAR).\*
- "Risk Assessment of Transporting Hazardous Material: Route Analysis and Hazard Management." 1985. *Transportation Research Record*. TRB 1029:1-6, \*
- "The Transportation of Hazardous Materials." 1985. Co-Author. *Dangerous Properties of Industrial Materials* 5(5):2-11.
- "Growth Management and Land Use Issues." Co-Authored. In *Land Use Planning in Arizona*. 46<sup>th</sup> Arizona Town Hall, Research Report. 1985.
- "The Interaction of Natural Resources and Growth Management." 1985. With H. Ingram and D. Patten. Chapter 7, in *Land Use Planning in Arizona*. 46<sup>th</sup> Arizona Town Hall.
- "Scale, Comprehensiveness and Impact Assessment of Nuclear Technology." 1984. Commentary. *Professional Geographer* 36(4):464-467. \*
- "Public Sector Effects and Social Impact Assessment of Nuclear Generating Plants." 1984. In Pasqualetti, m., and D. Pijawka, eds. *Nuclear Power, Assessing and Managing Hazardous Technology*, Westview Press.
- "Differential Policy Response to Carcinogenic Pesticides: Canada and the U.S. Confront Chlordane and Heptachlor" 1983. *Papers and Proceedings of Applied Geography* 6.
- "Impacts of Nuclear Generating Stations on Local Areas." With J. Chalmers. *Economic Geography* 59(1): January, 1983. \*
- "An Integrated Methodology for Socioeconomic Impact Assessment and Planning." 1983. With K. Branch, J. Chalmers, J. Flynn, and F. Flynn. *Methodology of Social Impact Analysis*. Sage Publications.

"Public Response to the Diablo Canyon Nuclear Generating Plant." 1983. *Energy: The International Journal*.7(8):667-680\*

"Public Concern for Air Quality: Explaining Change." With J. Dworkin. *International Journal of Environmental Studies*. 20:17-26, 1982.\*

"The Socioeconomic Impacts of Nuclear Generating Stations: Analysis of Rancho Seco and Peach Bottom facilities". 1981. With P. Bergman. *GeoJournal* No. 3:5-15.\*

"Toward an Integrated Socioeconomic Model of Impacts of Energy Developments." 1981. *Proceedings of Applied Geography Conferences* 4:327-336.

"Public Opposition to Nuclear Energy". In *Journal of Science, Technology and Human Values*. Spring 1980. R. Kasperson et. al. \*

"Public Opposition to Nuclear Energy: Retrospect and Prospect." In *Study of Nuclear and Alternative Energy Systems. Sociopolitical Effects of Energy Use and Policy*. Report to the National Academy of Sciences. R. Kasperson et. al. Chapter 5, 1979. (Graduate Student)

"The Perception of Air Pollution". 1978. *Report No. 8, Environmental Perception Research. United Nations Environmental Program*. Co-authored. (Graduate Student)

*Nuclear Energy, Local Conflict, and Public Opposition*. 1978. Report No. 2 Risk Assessment of RARE Events. Co-Authored. Clark University and Ford Foundation. (Graduate Student)

"From Rubble to Monument: The Pace of Reconstruction." Robert Kates and David. Pijawka. Chapter 1, In *Reconstruction Following Disaster*. Haas, Kates and Bowden eds. MIT Press, 1977. Pgs. 1-20. (Graduate Student)

"Re-establishing Homes and Jobs: Cities." Chapter 3, Co-authored. In *Reconstruction following Disaster*, MIT Press, 1977. Pgs. 69-145. (Graduate Student)

"Alternative Pasts and Futures in Urban Recovery." Chapter 5, Co-authored. In *Reconstruction Following Disaster*, MIT Press, 1977. Pgs. 107-259. (Graduate Student)

## BOOK REVIEWS

"Site Unseen: The Politics of Siting A Nuclear Waste Repository." By Gerald Jacob. *Land Economics*. February, 1992. With A. Mushkatel.

## PROFESSIONAL PAPERS PRESENTED - SELECTED

"Measuring Environmental Impacts of Sustainable Neighborhoods." Narangini, P. and D. Pijawka. PLEA Conference and published in proceedings. Santiago, Chile. 2003.

- "Interdisciplinary PhD Programs in Environmental Design and Planning". Harris, R., J. Giard and D. Pijawka. 3<sup>rd</sup> Annual Conference. Doctoral Education in Design. Publication in proceedings. Tsukuba, Japan. 2003.
- "Sonoran Collaborations : Public Involvement in Sustainable Neighborhood Design'. With F. Steiner. U.S. Environmental Protection Agency Public Involvement Conference. San Antonio, Texas. 2001.
- "Sustainable New Community Development on the Urban Fringe of Phoenix, Arizona". F. Steiner, D. Pijawka, W. Kasson and J. Blair. 2<sup>nd</sup> International Conference on Sustainability in Desert Regions. Nov. 1999. United Arab Emirates. Presentation-Steiner.
- "A Risk Assessment and GIS for Transporting Hazardous Materials in the U.S.-Mexico Border Region." With S. Ashur and S. Guhathakurta. 1996 SCERP Technical Conference, San Diego, CA, 1996.
- "A Risk Minimization Model for Transportation Impacts in the U.S.-Mexico Border Region." With others. Presented at the 36th Joint National Meeting of the Operations Research Society of America. Institute of Management Science, 1993.
- "Risk Assessment of Transporting Hazardous Materials in the U.S.-Mexico Border Region." Presented at the Southwest Center for Environmental Research and Policy, Technical Conference, Arizona. 1993. Published in conference proceedings.
- "The Perceived Risks of Transporting Hazardous Materials and Nuclear Waste: Preliminary Analysis of Case Study Findings and Implications." With Theodore Glickman. Presented at the International Consensus Conference on the Transportation of Hazardous Materials, University of Waterloo, Waterloo, Ontario, Canada. The study was funded by the Nuclear Waste Project Office, Nevada Agency for Nuclear Projects, DOE Grant Number DE-F608-85-NV10461. April 6-9, 1992.
- "Risk Perception of Hazards: Role of Trust." Co-authored paper presented with Alvin H. Mushkatel. International Symposium on Geological Hazards in Developing Countries and Their Environmental Impacts. Paraguy, Italy. International Natural Hazards Society. August 4-9, 1991.
- "Inducing Change in Perceptions of Risk: Nesting Scenarios Within Surveys." With Marilyn K. Deontic and Alvin K. Mushkatel. Western Political Science Association Meetings. Seattle, Washington. March 20-23, 1991.
- "Gender and Race in Risk Perceptions: The Proposed Yucca Mountain Repository." With Marilyn K. Deontic and Alvin H. Mushkatel. Western Political Science Association Meetings. Seattle, Washington. March 20-23, 1991.
- "Political Trust and Risk Perceptions of the High-Level Nuclear Waste Repository." With Marilyn K. Dantico, Alvin H. Mushkatel, and Niyi Ibitayo. Annual Conference of the American Association for the Advancement of Science. Washington, D.C. February 16, 1991.
- "Risk Assessment for Selecting Routes for Hazardous Waste Shipments." Presented at Conference on State and Local Concerns in Transportation Hazardous Materials. American Society Civil Engineers, St. Louis 1991.

- "Resident Perceptions of the Proposed Nuclear Waste Repository in Nevada." Presentation of Survey Results. Nevada Commission on Nuclear Waste Policy. Las Vegas, Nevada 1991. Co-authored.
- "Citizen Perceptions of the High-Level Nuclear Waste Repository." With Alvin H. Mushkatel and Marilyn K. Dantico. Western Social Science Association Meetings. Portland, Oregon. April 25-28, 1990.
- "Policy Issues in Managing the Disposal of Medical Wastes." With Marcy Katler. Applied Geography Conference, September 1990.
- "Projecting Hazardous Waste in Transportation: Approach for Risk Analysis." With E. Radwan and Singh. Paper presented at the Annual Conference of Transportation Research Board. National Research Council. Washington, D.C. January 1990.
- "Political Trust's Role in Explaining Nevada Urban Residents' Perceptions of the Proposed Yucca Mountain Repository." With A. Mushkatel. International High-Level Nuclear Waste Conference, Nevada. April 30, 1991.
- "Urban Residents' Risk Perception of a Nuclear Waste Facility." With J. Nigg and A. Mushkatel. Invited symposium paper. Annual Meeting, American Association for the Advancement of Science, San Francisco, CA. January 1989.
- "Vulnerability Assessment and Route Selection for Hazardous Waste Management Facilities." Paper presented at Western Social Science Meeting. Denver, Colorado. April 27-30, 1988.
- "Risk Perception and Intended Behavior: Effects of Proposed High-level Nuclear Waste Repository on Nevada Residents." With A. Mushkatel and J. Nigg. Paper presented at Waste Management 88. Symposium sponsored by the American Society of Mechanical Engineers, American Nuclear Society, Electric Power Research Institute, U.S. Nuclear Regulatory Commission, University of Arizona, Tucson, Arizona. February 28 - March 3, 1988.
- "Database Systems for Hazardous Materials Transportation." With E. Radwan. Paper presented at North American Conference on Microcomputer Applications in Transportation. Sponsored by the American Society of Civil Engineers. Boston, Massachusetts, June 29 - July 1, 1987.
- "Risk Assessment of Transporting Hazardous Material." Presented at National Research Council, Transportation Research Board Annual Conference, Washington, D.C., January 1985.
- "Decommissioning Nuclear Power Plants: Agenda Setting and Policy." With P. McClain. Western Political Science Association, Las Vegas, Nevada, March 28-30, 1985.
- "Same Information, Different Decisions: Policy Differences in Canada and the U.S. Over Carcinogenesis." Invited paper at Applied Geography Conference, October, 1983.
- Panel Participant. Report Preparation and Presentation in Public Administration. American Society of Public Administration, Arizona State University, Tempe, Arizona. March, 1983.

"Hazards of Transporting Chemical Substances and Community Emergency Preparedness." Invited paper and presentation at Seminar for Emergency Medical Response Elements, Arizona Department of Emergency Services. February 17, 1983.

"Successful Response in Rapidly Growing Energy Communities." Paper presented at First International Conference on Social Impact Assessment, Vancouver, Canada. Chaired the Energy Impact Session. October 23-27, 1982.

## **SELECTED PROFILES (ADMINISTRATIVE AND RESEARCH POSITIONS)**

### ***Director, PhD Program in Environmental Design and Planning. 2001-present***

The PhD program is one of 14 interdisciplinary programs in the country that integrates architecture, planning, design and environmental resources. As a relatively new program it currently has 37 students enrolled and 15 graduates. The program is now recognized internationally and serves as a model for similar new programs. The program has 25 "core" faculty from the College and a budget of over \$150,000. It is the only PhD degree program in the CAED.

### ***Acting Director, School of Planning and Landscape Architecture 1998. College of Architecture and Environmental Design.***

The School had a 17 FTE faculty and 3 FTE staff. The School offers a degree in Master of Environmental Planning, and three bachelors programs in planning, landscape architecture and housing and urban development. At that time there were approximately 180 graduate and 200 undergraduate students enrolled in these programs. The school also had an Environmental Resources program with 5FTE faculty, 25 M. Sc. and 80 B.S. students in 1998. Substituted for Director (F. Steiner) while he was on sabbatical.

### ***Center for Environmental Studies (CES) Assistant Director, 1983-1995; Interim Director, July 1995-December 1996***

The CES is a research center that emphasized interdisciplinary environmental research, training and policy and reports to the Vice Provost for Research at ASU. As Assistant Director (1983-1995) responsible for the development of the following research programs: (1) the social and behavioral science components of environmental research; (2) risk analysis and hazard management; (3) solid and hazardous waste planning; and (4) environmental policy.

As Interim Director (1995-1997) responsible for managing a state salary and operations budget of \$350,000, a total of approximately \$1.5 million in research grants and contracts, a nationally recognized training safety program (with annual revenues of \$400,000), four professional staff including a Business Manager, several full-time faculty, and graduate students working on a variety of research assistantships. At the time the CES was recognized for research in the following areas:

- Applied ecological studies including riparian systems, aquatic ecosystems, rangeland degradation, endangered species, habitat reconstruction, and GIS applications to ecosystem management.
- Sustainable development including life-cycle assessments, energy efficiency, green home building, water conservation, and environmentally responsible materials.
- Outreach including the *Recycling Review* newsletter, Arizona Comparative Environmental Risk Project, among others.
- Environmental impact assessments including ecological impacts, risk assessments, and hazardous waste facility siting.
- Coordinated and developed a national workshop on the Environmental Agenda for ASU in 1996.

### ***Southwest Center for Environmental Research and Policy (SCERP)***

Established in 1991 as a five-university consortium, SCERP's primary objective is to establish research programs addressing environmental problems in the U.S.-Mexico border region. My involvement consisted of serving on the SCERP Management Committee (1995- 2001) which set policies and allocated research funding among the consortium institutions - Arizona State University, University of Utah, San Diego State University, New Mexico State University, and University of Texas at El Paso. The Committee has managed approximately \$25 million in research grants. As Principal Investigator of the 1995 and 1996 SCERP effort I have been responsible for the development of research proposals, administration of a \$4.5 million budget, project management and reporting to the U.S. EPA.

### ***Recycling Review Director and Principal Editor 1992-2000***

*Recycling Review* grew to be one of the largest environmental newsletters in the U.S. and eight years of publication of 5,000 copies per quarter. Started in 1992 with a competitive grant from the Arizona Department of Environmental Quality (ADEQ), the newsletter represented an active partnership between Arizona State University, Arizona Public Service Company (the state's largest utility) Arizona Department of Environmental Quality and the Arizona Recycling Coalition. Approximately 20 students have been employed as reporters, writers and book reviewers over the period.

As Director and Principal Editor of *Recycling Review* responsible for securing funding, managing the largely graduate student group of reporters, reviewers, researchers, and assistant editors and publishing staff, coordinating articles for reporting, interacting with the printers and publishers, managing, distribution and editing the newsletter. The newsletter was recognized in 1997 when it received the Governor's Pride in Arizona Award for Environmental Leadership.

### ***Nuclear Waste Repository Siting Program***

Funded by the U.S. Department of Energy through the State of Nevada, the project responsibilities included the administration, management, research development, and implementation of a \$3.5 million budget involving 10 universities and research organizations during 1986-87 (on leave from ASU). Coordinated and managed research projects involving risk analysis and management, risk perception and behavioral studies, transportation risk impacts, emergency planning, and institutional issues. Research centers involved in the project included CENTED (Clark University), the Wharton School (University of Pennsylvania), the Research Triangle (North Carolina), University of Utah, the Decision Research, CATSR (Arizona State University), among others. My involvement continues as advisor to Clark County and the State of Nevada through 2004.

## **PROFESSIONAL/COMMUNITY SERVICE ACTIVITIES - SELECTED**

Facilitator. Strategic Planning for the Navajo nation on the Local Governance Act. 2003-2004.  
Act. 2003-04.

Appointed Member, Arizona Environmental Strategic Alliance, December 2003.

Arizona State Liaison to Conference on Sustainable America. 1999-2000. Appointed by U.S. Council on Sustainable America.

Poster Presentations of LTER research projects and various presentations at conferences. Topics included: Environmental Justice in Phoenix; Environmental Hazards in South Phoenix; Perceiving Neighborhoods and Environment in the LTER program, among others. Approximately six presentations. 1998 – 2001. With LTER faculty and graduate students.

Director/Coordinator. Seminars on Hazardous Waste Minimization and Pollution Prevention. Workshops held by ASU with government and private sector participants. 1990-1996. Funded by Arizona Department of Environmental Quality and U.S. EPA.

Management Committee, SCERP, 1995 – 2001.

Co-Director. Sedona Town Hall Report. *Toward Economic Sustainability for Sedona*. With J. Hall. 1992.

Maricopa Association of Governments. Technical Assistance in Developing Solid Waste Management Plan for Maricopa County. 20% time, Spring 1991.

Appointed, Working Group on Problem Wastes. Maricopa Association of Governments. 1992-1993.

City of Phoenix Futures Forum. Development of research project on *Neighborhood Identification*. Co-edited report. 1992. City of Phoenix, Futures Forum.

Section Coordinator and reviewer of papers for conference. Socioeconomic and Risk Impacts of the High-Level Nuclear Waste. Conference on High-Level Nuclear Waste. Funded by U.S. Department of Energy. 1991.

Development of Database System and Manual. Small Quantity Generators of Hazardous Waste. August - September 1991. Arizona Department of Environmental Quality.

Facilitator and Coordinator. Workshop on Issues in Solid Waste Management. Sponsored by Maricopa Association of Governments, School of Public Affairs, and Center for Environmental Studies. ASU Downtown Center, March 1991.

Presentations to City of Phoenix Futures Forum Committees. City Neighborhood Committee and Coordinating Committee. Neighborhood Identification Study. 1991. Appointment. Committee on Hazardous Materials Transportation. Transportation Research Board. National Academy of Sciences and Engineering, 1987 - 1990.

Appointed. Member Governors Commission on Arizona Environment. 1983-1992. Member, Environmental Hazards Committee. Coordinated and organized State Conference on High Technology Industries and the Environment for Governors Commission on Arizona Environment.

Co-director. Phoenix Town Hall Report. *Working Toward A Quality Future*-1986. Town Hall Research Reports for City of Sedona, City of Phoenix, and the Arizona Academy. Approximately 10 Chapters.

Appointed. Hazardous Materials Transportation Task Force. City of Phoenix. 1984.

#### **ARTICLE REVIEWER**

Article reviewer for following journals, among others.

- *Journal of Planning Education and Research*

- *Journal of Risk Analysis*
- *Public Administration Review*
- *Economic Geography*
- *Annals of the Association of American Geography*
- *Policy Studies Review*
- *Transportation Research Record*
- *Journal of the American Planning Association*

## **UNIVERSITY SERVICE - SELECTED**

- Member, University Graduate Council, 2001-03
- College Grievance Committee, CAED, 1999-2000.
- Chair, Personnel Committee, School of Planning and Landscape Architecture 1998-1999; 1999-2000.
- Acting Director, SPLA, 1998.
- Member, Multidisciplinary Initiatives Subcommittee, Arizona State University, 1995.
- Chair, Search Committee, School of Planning and Landscape Architecture, 1994.
- College Personnel Committee, College of Architecture and Environmental Design, 1994, 1995.
- Chair, Personnel Committee, SPLA. 1992-93.
- Curriculum Committee, SPLA 1992 - 93.
- Chair. Urban Management and Planning, Field Specialization. School of Public Affairs 1988- 1992.
- Executive Committee, School of Public Affairs. Spring 1991.
- Curriculum Committee, School of Public Affairs. Fall 1991.
- Graduate College Representative for Ph.D. Defenses. (4 reviews).
- Substitute Member, ASU Committee of Faculty on Regional Transportation Planning - 1989.
- Personnel Committee, School of Public Affairs - 1988.
- Executive Committee, School of Public Affairs - 1988.
- Grievance Committee, College of Public Programs - 1988.
- Affiliate, Center for Advanced Research in Transportation, College of Engineering and Applied Sciences. 1984 - 1988.
- Standards Committee, College of Public Programs. 1987 - 1988
- Research and Human Subjects Committee, College of Public Programs. 1987 - 1988.
- Student Admissions and Standards Committee, School of Public Affairs. 1985 - 1986.
- Search Committee for Department Chair, School of Public Affairs - 1985.
- University Energy Research Committee, Arizona State University. 1984 - 1985.
- Admissions and Standards Committee, School of Public Affairs - 1984.
- Legislature Internship Selection Committee, Arizona State University. 1983 - 1984.
- Student Grievance Committee, College of Public Programs. 1983 - 1984

**DAVID PIJAWKA      02-04-05**