

Curriculum Vitæ: Bryan Vila, Ph.D.

Business Address

Department of Criminal Justice and
Sleep and Performance Research Center
Washington State University – Spokane
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Spokane, Washington 99210-1495, USA
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Education

Ph.D., 1990; University of California, Davis; Ecology

Emphases: human ecology, criminology, cultural evolution, research methods, modeling

Dissertation: "Exploring the Evolutionary Ecology of Crime: A Preliminary Assessment and Extension of a General Theory of Expropriative Crime."

M.S., 1989; University of California, Davis; Ecology

M.P.A., 1974; Pepperdine University; Public Administration

Thesis: "Juvenile Street Gangs in South Central Los Angeles: A Comparative Examination of Criminal Proclivities."

B.S., 1972; Pepperdine University; Public Management

Research Foci

- Tired Cops: Understanding and dealing with the impact of long and erratic work hours and shift work on officer safety, health and performance of critical job tasks
- Cross-cultural police training and development and it's implications for national defense
- Developing a general theory of crime and crime control
- Interdisciplinary research methods
- History and evolution of capital punishment and policing in the United States

Courses Taught

Research and Evaluation Methods, Criminology Theory, Introduction to Criminal Justice, Crime and Public Policy, Human Performance and Justice, Human Ecology, Policing; special-topics seminars include Capital Punishment, Police Fatigue, Street Gangs, History of Policing, and Drugs, Crime and Social Control.

PROFESSIONAL PUBLICATIONS

Peer-Reviewed Books

Vila, Bryan and Cynthia Morris. (2009) *Micronesian Blues: The Adventures of an American Cop in Paradise*. Boulder, Paladin Press.

- Vila**, Bryan. (2000) *Tired Cops: The Importance of Managing Police Fatigue*. Washington, D.C.: Police Executive Research Forum.
- Vila**, Bryan and Cynthia Morris, eds. (1999) *The Role of Police in American Society: A Documentary History*. Westport, Conn.: Greenwood Press.
- Vila**, Bryan and Cynthia Morris, eds. (1997) *Capital Punishment in the United States: A Documentary History*. Westport, Conn.: Greenwood Press.

Peer-Reviewed Articles and Book Chapters (*denotes student coauthor)

- Vila**, Bryan and Charles Samuels. (2011) Sleep Loss in First Responders and the Military. In Meir H. Kryger, Thomas Roth, and William C. Dement (eds.) *Principles and Practice of Sleep Medicine, 5th Ed. (PPSM 5e)*, Philadelphia: Elsevier Saunders, Chapter 72.
- Vila**, Bryan and Joanne Savage. (2011) Balancing Counterterrorism Strategies: Lessons from Evolutionary Ecology. In Brian Forst, Jack R. Greene and James P. Lynch (eds.) *Security and Justice in the Homeland: Criminologists on Terrorism*, Cambridge University Press, chapter 4, pp. 66-96.
- Vila**, Bryan. (2010) The Effect of Officer Fatigue on the Exercise of Police Discretion and on Accountability. In Candace McCoy (ed.), *Holding Police Accountable*. Washington, D.C.: Urban Institute Press, chapter 7.
- Violanti, John and Bryan **Vila**. (2010) "Disinhibitory Contagion: Psychological Processes in Deadly Force Incidents." In Paul Bartone (ed.) *Enhancing Human Performance in Security Operations: International and Law Enforcement Perspectives*. Springfield, Ill.: Charles C. Thomas, chapter 16, pp. 325-335.
- Violanti, John M., Cecil M. Burchfiel, , Tara A. Hartley, Anna Mnatsakanova, Desta Fekedulegn, Michael Andrew, Slaven, Luenda Charles and Bryan **Vila**. (2009) "Atypical Work Hours and Metabolic Syndrome among Police Officers." *Archives of Environmental and Occupational Health* 64(3), 194-201.
- Slaven, James E., Michael E. Andrew, Anna Mnatsakanova, John M. Violanti, Cecil M. Burchfiel and Bryan J. **Vila**. (2009) "Statistical Modeling of Sleep." *Chance* 22(1), 16-21.
- Vila**, Bryan and Jason Moore.* (2008) Police Long Work Hours: Causes, Consequences and Alternatives. Chapter 8 in Ronald Burke and Cary Cooper (eds.), *The Long Hours Work Culture: Causes, Consequences and Choices*. Bingley, UK: Emerald Publishing, pp. 183-201.
- Violanti, John, Luenda Charles, Tara Hartley, Anna Mnatsakanova, Michael Andrew, Desta Fekedulegn, Bryan **Vila** and Cecil Burchfiel. (2008) "Shift Work and Suicide Ideation among Police Officers." *American Journal of Industrial Medicine* 51:758-768.
- Slaven, James E., Michael E. Andrew, John M. Violanti, Cecil M. Burchfiel, Anna Mnatsakanova and Bryan **Vila**. (2008) "Dimensional Analysis of Actigraph-Derived Sleep Data." *Nonlinear Dynamics, Psychology and the Life Sciences* 12(2), 153-161.
- Slaven, James E., Anna Mnatsakanova, S. Li, John M. Violanti, Cecil Burchfiel, Bryan **Vila**, and Michael E. Andrew. (2008) "Waiting Time Distributions of Actigraphy Measured Sleep." *Open Sleep Journal* 2:1-5.

- Charles, Luenda, Cecil Burchfiel, John Violanti, Bryan **Vila**, Tara A. Hartley and James Slaven. 2007. "Shift Work and Sleep: The Buffalo Police Health Study." *Policing: An International Journal of Police Strategies & Management* 30:215-227.
- Charles, Luenda, John Violanti, Cecil Burchfiel and Bryan **Vila**. 2007. "Obesity and Sleep: The Buffalo Police Health Study." *Policing: An International Journal of Police Strategies & Management* 30: 203-214.
- Vila**, Bryan. 2006. "Impact of Long Work Hours on Police Officers and the Communities They Serve." *American Journal of Industrial Medicine* 49:11, 972-980.
- Caruso, Claire C., Tim Bushnell, Donald Eggerth, Anneke Heitmann, Bill Kojola, Katharine Newman, Roger R. Rosa, Steven L. Sauter, and Bryan **Vila**. 2006. "Long Work Hours, Health, and Safety: Toward a National Occupational Research Agenda." *American Journal of Industrial Medicine* 49:11, 930-942.
- Slaven, John, Michael Andrew, John Violanti, Cecil Burchfiel and Bryan **Vila**. 2006. "A Statistical Test to Determine Quality of Accelerometer Data." *Physiological Measurement* 27:413-423.
- Savage, Joanne and Bryan **Vila**. 2003. "Human Ecology, Crime and Crime Control: Linking Individual Behavior and Aggregate Crime." *Social Biology*, 50:1-2:77-101.
- Reprinted as:**
- Savage, Joanne and Bryan **Vila**. 2008. "Human Nature and Crime Control: Improving the Feasibility of Nurturant Crime Control Strategies." In Robert D. Crutchfield, Georges S. Bridges, Joseph G. Weis and Charis Kubrin, eds. *Crime: Readings, 3rd Ed.* Newbury Park, Calif.: Sage.
- Vila** Bryan, Gregory B. Morrison* and Dennis Jay Kenney. 2002. "Improving Shift Schedule and Work-Hour Policies and Practices to Increase Police Officer Health, Safety and Performance." *Police Quarterly*, 5:1:4-24.
- Meeker, James, Bryan **Vila** and Katie J.B. Parsons*. 2002. "GITS: A Comprehensive Regional Approach to Street Gang Crime." In Winfred Reed, ed. *Responding to Gangs: Evaluation and Research*. Washington, D.C.: National Institute of Justice.
- Savage*, Joanne and Bryan **Vila**. 2001. "Changes in Child Welfare and Subsequent Crime Rate Trends: Evaluating the Lagged Nurturance Hypothesis." *Journal of Applied Developmental Psychology*, 22:1-32.
- Meeker, James W. and Bryan **Vila**. 2001. "Issues in Developing and Maintaining a Regional Gang Incident Tracking System." In C. Ronald Huff, ed. *Gangs in America, 3rd Ed.* Newbury Park, Calif.: Sage.
- Vila**, Bryan and Erik Y. Taiji*. 1999. "Police Work Hours, Fatigue and Officer Performance." In Dennis Jay Kenney and Robert McNamara, eds. *Police and Policing, 2nd Ed.* Westport, Conn.: Praeger.
- Morrison*, Gregory B. and Bryan J. **Vila**. 1998. "Police Handgun Qualification: Practical Measure or Aimless Activity?" *Policing: An International Journal of Police Strategies & Management*, 21:3:510-533.
- Vila**, Bryan. 1997. "Human Nature and Crime Control: Improving the Feasibility of Nurturant Crime Control Strategies." *Politics and the Life Sciences* 16:1:3-21.

Reprinted as:

- Vila**, Bryan. 1998. "Human Nature and Crime Control: Improving the Feasibility of Nurturant Crime Control Strategies." In Jodi Lane and Joan Petersilia, eds. *Criminal Justice Policy*. London: Edward Elgar Publishing.
- Vila**, Bryan. 1997. "Motivating and Marketing Nurturant Crime Control Strategies." *Politics and the Life Sciences* 16:1:48-55.
- Vila**, Bryan. 1997. "Modifications Not Needed in the General Paradigm for Understanding Criminal Behavior." *Politics and the Life Sciences* 16:2:315.
- Savage*, Joanne and Bryan **Vila**. 1997. "Lagged Effects of Nurture on Crime: A Cross-National Comparison." *Studies on Crime and Crime Prevention* 6:1:101-120.
- Vila**, Bryan and James W. Meeker. 1997. "A Regional Gang Incident Tracking System." *Journal of Gang Research* 4:3:23-36.
- Cohen, Lawrence E. and Bryan J. **Vila**. 1996. "Self-Control and Social-Control: An Exposition of the Gottfredson-Hirschi/Sampson-Laub Debate." *Studies on Crime and Crime Prevention* 5:2:125-150.
- Vila**, Bryan. 1996. "Tired Cops: Probable Connections Between Fatigue and the Performance, Health, and Safety of Patrol Officers." *American Journal of Police* 15:2:51-92.
- Cohen, Lawrence E., Bryan J. **Vila** and Richard Machalek. 1995. "Expropriative Crime and Crime Policy: An Evolutionary Ecological Analysis." *Studies on Crime and Crime Prevention* 4:2:197-219.
- Vila**, Bryan. 1994. "A General Paradigm for Understanding Criminal Behavior: Extending Evolutionary Ecological Theory." *Criminology* 32:3:311-359.
- Reprinted as:**
- Vila**, Bryan. 2009. "Opšta Paradigma Kriminalnosti." In Đorđe Ignjatovic, ed. *Teorije U Kriminologiji*, Beogradu, Republike Srbije: Pravni Fakultet Univerziteta u Beogradu.
- Vila**, Bryan. 1998. "A General Paradigm for Understanding Criminal Behavior: Extending Evolutionary Ecological Theory." In Gregg Barak, ed. *Integrative Criminology*. London: Ashgate Publishing.
- Vila**, Bryan. 1998. "A General Paradigm for Understanding Criminal Behavior." In Stuart Henry and Werner Einstadter, eds. *The Criminology Theory Reader*. New York: NYU Press.
- Vila**, Bryan. 1996. "A General Paradigm of Criminality." In Larry Siegel and Peter Cordella, eds. *Contemporary Criminological Theory*. Boston: Northeastern University Press.
- Vila**, Bryan J. and Gregory B. Morrison*. 1994. "Biological Limits to Police Combat Handgun Shooting Accuracy." *American Journal of Police* 13:1:1-30.
- Vila**, Bryan J. and Lawrence E. Cohen. 1993. "Crime as Strategy: Testing an Evolutionary Ecological Theory of Expropriative Crime." *American Journal of Sociology* 98:873-912.
- Vila**, Bryan J. 1993 "Is the War on Drugs an Example of a Runaway Cultural Process?" In Peter Kraska (ed.) *Altered States of Mind: Critical Observations of the Drug War*. New York: Garland Press.
- Vila**, Bryan J. 1982. "Cross Cultural Law Enforcement Development and Training: Innovation on the Island of Kosrae." *Police Studies* 4:33-44.

Peer-Reviewed Government Reports and Conference Proceedings

- Vila**, Bryan. 2008. Utility and Suitability of RapidResponder® for Enhancing the U.S. Marshals Service's Judicial Protection Capabilities. National Institute of Justice, Office of Science and Technology, Jan. 7.
- Slaven, John, Michael Andrew, John Violanti, Cecil Burchfiel and Bryan **Vila**. 2006. "Validation of the K-statistic for accelerometer data quality." JSM Proceedings, Aug. 6-10.
- Meeker, James W. and Bryan **Vila**. 2003. Civil Abatement, Curfew Analysis, and Defining Gang Incidents: Further Analyses Using GITS, Orange County, California's Multi-Jurisdictional Gang Incident Tracking System. Washington, D.C.: U.S. Department of Justice.
- Wiebe, Douglas*, James W. Meeker and Bryan **Vila**. 2002. Hourly Trends of Gang Crime Incidents, 1995-1998. Washington, D.C.: U.S. Department of Justice, Office of Juvenile Justice and Delinquency Prevention.
- Vila**, Bryan. 2001. Evaluating the Feasibility and Utility of Forms-Scanning Software for Streamlining Crime Mapping Data Collection and Analysis. Washington, D.C.: U.S. Department of Justice.
- Vila**, Bryan J., Dennis Jay Kenney, Gregory B. Morrison* and Melissa Reuland. 2000. *Evaluating the Effects of Fatigue on Police Patrol Officers*. Washington, D.C.: U.S. Department of Justice.
- Vila**, Bryan J. and James W. Meeker. 1999. *Gang Activity in Orange County, California*. Washington, D.C.: U.S. Department of Justice.
- Meeker, James W., Bryan J. **Vila**, Thomas E. Fossati*, Jodi S. Lane*, Katie J.B. Parsons* and Douglas Wiebe*. 1998. *Final Report of the Orange County Consortium COPS Project: Gang Incident Tracking System*. Washington, D.C.: U.S. Department of Justice, Office of Community Oriented Policing Services.
- Vila**, Bryan. 1997. "Nurturance and the Paradox of Crime Control." *Proceedings of the Conference on Ethological and Developmental Approaches to Male Violence*. Detroit, Mich.: Program on Mediating Theory and Democratic Systems.

Scholarly Work in Progress

Research Projects in Progress

Developing a Fatigue Management Tool for First Responders

Developing Objective Metrics for Evaluating Police Performance in Deadly Force Confrontations

Assessing the Utility of Neurophysiological Feedback to Accelerate Deadly Force Judgment and Decision Making Training

A National Assessment of the Effects of Fatigue on Police Officer Performance, Health, Safety and Family Quality of Life

Buffalo Cardio-metabolic Occupational Police Stress Study (BCOPS)

Books in Progress

Vila, Bryan. No More Tired Cops: Strategies for Managing Police Fatigue

Vila, Bryan and Joanne Savage. *The Evolutionary Ecology of Criminal Behavior and Crime Policy*

Articles and Book Chapters in Progress

Vila, Bryan. "Developing Police in Micronesia: Lessons Learned, What They Mean Today."

Vila, Bryan, Hans P.A. Van Dongen and Gregory Belenky. "Performance Impairment from Sleep Loss and the Real World."

Hans Van Dongen, Gregory Belenky, Christopher G. Mott, Luke Huang and Bryan **Vila**. "Use of a Driving Simulator to Assess Fuel Inefficiency as a Downstream Effect of Driver Sleepiness in Controlled Laboratory Experiments."

Slaven, James E., Michael E. Andrew, John M. Violanti, Cecil M. Burchfiel and Bryan J. **Vila**. "Factor Analysis and Structural Equation Modeling of Actigraphy Derived Sleep Variables."

Charles, Luenda, Cecil M. Burchfiel, Dele Fekedulegn, M. Kashon, K. Krajnak, Michael E. Andrew, John M. Violanti, Diane Miller and Bryan **Vila**. Association Between Sleep and Patterns of Cortisol Secretion Among Police Officers: The Buffalo Cardio-Metabolic Occupational Police Stress (BCOPS) Pilot Study."

Graauwmans, Maartje J., Melinda L. Jackson, Gregory Belenky, Bryan J. **Vila** and Hans P.A. Van Dongen. Time on Task Effect in Reaction Times During a Simulated Driving Task.

Publications for General Audiences and Practitioners

Vila, Bryan. 2009. "Sleep Deprivation: What Does it Mean for Public Safety Officers? *NIJ Journal*, 262: 26-31.

Reprinted as:

Vila, Bryan. 2009. "Sleep deprivation: what does it mean for officers?" *Police Professional (UK)* 18-20, June 4.

Vila, Bryan. 2009. Voices from the Field: Impact of Fatigue on Police Officer Stress and Safety." In Roberg, Roy R., Kenneth Novak and Gary Cordner, *Police and Society, Fourth Ed.* New York: Oxford University Press.

Vila, Bryan. 2008. "Managing Police Fatigue is a High-Wire Act (La gestion de la fatigue des policiers est un numéro de funambule)." *The RCMP Gazette*, 70:3: 30-31.

Vila, Bryan J., Christopher E. Stone and David Weisburd. 2006. "Preparing for the Future: Criminal Justice in 2040." *NIJ Journal* 255:8-11, NCJ 215456.

Vila, Bryan, Akiva Liberman and Kathy Browning. 2005. "Youth Violence Reduction Strategies: Statement of Sarah V. Hart, Director, National Institute of Justice Before the Committee on the Judiciary, United States Senate." *Congressional Record*, Serial No. J-109-26, June 13, pp. 65-81.

Vila, Bryan. 2004. "Unfit for Duty: The Impact of Fatigue on Police Officer Stress and Safety." In Roberg, Roy R., Kenneth Novak and Gary Cordner, *Police and Society, Third Ed.* Los Angeles: Roxbury.

Vila, Bryan. 2003. "Police Performance and Human Factors Research." *Human Systems Information Analysis Center Gateway*, 8:4:18, 26.

Vila, Bryan. 2002. "Cops: Learn Your A, B, Zzzzs." *The Law Enforcement Trainer*, 17:44-47.

- Vila**, Bryan and Dennis Jay Kenney. 2002. "Tired Cops: The Prevalence and Potential Consequences of Police Fatigue." *NIJ Journal* 248:16-21.
- Vila**, Bryan, Dennis Jay Kenney and Gregory B. Morrison. 2001. "The Importance of Managing Police Fatigue." *Police Chief* April:188-193.
- Vila**, Bryan and Cynthia Morris. 2000. "The Roots of Community Policing." In Quint Thurman, Jihong Zhao and Andrew Giacomazzi, *Community Policing in a Community Setting*. Los Angeles: Roxbury.
- Vila**, Bryan. 1999. "Police Fatigue: Developing Shift Schedule and Work-Hour Policies." Proceedings of the Law Enforcement Research Networking Project and the Ohio Association of Chiefs of Police.
- Vila**, Bryan and James W. Meeker. 1999. "Regional Variation in Gang-Related Crime Patterns: Analyzing Orange County's Gang Incident Tracking System." *Gang-Related Research Cluster Conference Proceedings*. Washington, D.C.: National Institute of Justice and Office of Juvenile Justice and Delinquency Prevention.
- Vila**, Bryan. 1998. "We Can't Keep Ignoring Police Fatigue." *Subject to Debate* 11:3:1-3.
- Richerson, Peter J, Monique Borgerhoff Mulder and Bryan J. **Vila**. 1995. *Principles of Human Ecology*. Needham Heights, Mass.: Simon and Schuster Custom Publishing.
- Vila**, Bryan J. 1995. "Does the 'War on Drugs' Protect Our Young People?" In Arnold Trebach and Whitney Taylor, eds. *Bringing the Harm Reduction Community Together: A Policy Track Manual*. Washington, D.C.: Drug Policy Foundation.
- Vila**, Bryan J. 1992. "The Cops' Code of Silence." *Christian Science Monitor* Aug. 31, p. 18.
- Vila**, Bryan J. 1984. "Policy Implications of Japanese Organized Crime Activities in the Trust Territory of the Pacific Islands." *Congressional Record*, June 12.
- Vila**, Bryan J. 1981. "Management Control of Fatigue Among Field Police Officers." *Police Stress* 3:3:38-41.
- Webb, Carolyn A. and Bryan J. **Vila**. 1979. "Improving Justice in Micronesia." *Micronesian Reporter* 27:3:20-25.

RELEVANT EMPLOYMENT

2005-present Professor of Criminal Justice and Director, Simulated Hazardous Operational Tasks laboratory, Sleep and Performance Research Center, Washington State University.

2002-2005 Chief, Crime Control and Prevention Research Division (GS-15), National Institute of Justice, U.S. Department of Justice. Direct an interdisciplinary staff of social and behavioral scientists, analysts and support staff managing more than 100 research and evaluation grants worth roughly \$35 million. Recommend research policy for the Institute regarding criminal justice issues associated with crime prevention and control, develop strategies for achieving those policies, and supervise professional staff throughout the grant making process. Oversee development of budget requests, research initiatives, conferences, personnel development plans, and administrative policies. Represent the Institute at professional conferences, meetings, and on boards. Develop relationships with a wide array of domestic and foreign government and

- private organizations in order to build cooperative research initiatives and leverage funding. Maintain an active personal research agenda.
- 1997-2002** Associate Professor, Department of Criminal Justice, University of Wyoming. Founding director, Wyoming Statistical Analysis Center for Rural Policy Studies (2000-2001). Senior Research Fellow, The Policy Lab.
- 1990-1997** Associate Professor [1997]/Assistant Professor, Department of Criminology, Law & Society, School of Social Ecology, UC Irvine. Founding director, Focused Research Group on Orange County Street Gangs, March 1995-June 1997.
- 1986-90** Ecology PhD program at University of California, Davis. U.C. President's Dissertation Fellow, student commencement speaker.
- 1984-86** Emergency Preparedness Coordinator (GM-14), U.S. Department of the Interior and branch chief in the Division of Enforcement and Security Management. Coordinated nationwide departmental planning and policy formulation for natural and man-made disasters, continuity of government and wartime industrial mobilization. Provided law enforcement and public safety policy guidance for U.S. overseas territories.
- 1980-84** Director, Trust Territory Bureau of Investigation, Trust Territory of the Pacific Islands (TTPI). As a member of the High Commissioner's Cabinet, directed law enforcement, security and public safety programs and operations in the emerging nations of Micronesia. Developed, implemented and conducted successful cross-cultural training programs tailored to each island's needs. Conducted investigations and tactical operations which were beyond the jurisdiction or capability of local law enforcement organizations. Participated in international symposia; testified before U.S. and foreign legislative bodies.
- 1978-80** Police Specialist, Justice Improvement Commission, TTPI. Managed Federal grants related to public safety development in the emerging island nations of Micronesia, a three-million square mile area with eight major languages and cultures. Assessed law enforcement and public safety needs, designed training and development programs, acquired funding, implemented and conducted the programs, then monitored and evaluated their progress.
- 1969-78** Police Officer and Sergeant, Los Angeles County Sheriff's Department. Assignments included Executive Planning Council staff, supervision of high-security jail populations, supervision of patrol personnel and gang units in East Los Angeles, development and conduct of training programs at the Sheriff's Academy and patrol in South-Central Los Angeles.
- 1968-69** Marine Biology Aide, Naval Undersea Research and Development Center, Point Mugu, Calif. Cared for and trained marine mammals. Assisted with the collection of data and conduct of experiments related to the animals' physiological and sensory capabilities.
- 1964-67** Field communications specialist, U.S. Marine Corps. Duty assignments in the United States, Japan and Vietnam.

COMPETITIVE GRANTS, CONTRACTS AND FELLOWSHIPS

Extramural Grants & Contracts (1993-2010): \$3,675,053

- “Impact of Work-Related Fatigue on Deadly Force Judgment and Decision Making Performance and Driving Performance Among Day vs. Night Sleepers.” Office of Naval Research, (grant no. 10698555), PI, 2011-13, \$243,997.
- “SHIELD: Safety & Health Improvement: Enhancing Law Enforcement Departments.” National Institute for Occupational Safety and Health, NIH R01 OH009676-01A1 (\$2,500,000), (consultant, 2010-14, \$8,000)
- “Stress and Subclinical Cardio-Metabolic Disease in Police: A Longitudinal Study.” National Institute for Occupational Safety and Health, NIH R01: (\$2,700,000), (co-Investigator, 2010-15, \$60,000)
- “Experimental Test of the Impact of Work-Related Fatigue on Police Officer Vehicle Collision Risk Contract.” California Police Officer Standards and Training Commission, OGRD eREX #115833, PI, 2011-13, \$294,000.
- “School Safety Police Technology Evaluation Research Contract.” National Institute of Justice via Sheriffs Association of Texas, PI, 2009-10, \$180,000.
- “Accelerating Realistic Deadly-Force Judgment and Decision Making Training.” Defense Advanced Research Projects Agency (through Advanced Brain Monitoring, Inc.), PI, 2009-10, \$373,390.
- “Investigation of Split Sleep Schedules on Commercial Vehicle Driver Safety and Health.” Federal Motor Carrier Safety Administration, co-PI, 2008-11, \$510,300.
- “Developing a Common Metric for Evaluating Police Performance in Deadly Force Situations.” National Institute of Justice, PI, 2008-11, \$282,551.
- “Critical Job Tasks Simulation Laboratory Expansion for WSU Sleep & Performance Research Center.” Office of Naval Research, PI, 2008-09, \$610,960.
- “The Cop Crunch: Identifying Strategies for Dealing Effectively with the Recruiting and Hiring Crisis in Law Enforcement” (through Police Executive Research Forum). National Institute of Justice, co-PI, 2001-03 \$210,996.
- “Evaluating the Feasibility and Utility of Forms-Scanning Software for Streamlining Crime Mapping Data Collection & Analysis” (through the University of Wyoming). National Institute of Justice, PI, 1999-2002, \$84,614.
- “Further Analysis Using Orange County’s Multi-Jurisdictional Gang Incident Tracking System” (through UC Irvine). National Institute of Justice, PI, 1998-2000, \$103,060.
- “Evaluating the Effects of Fatigue on Police Patrol Officers and Their Relations with the Community” (through Police Executive Research Forum). National Institute of Justice, PI, 1997-2000, \$285,123.
- “Gang Activity in Orange County” (through UC Irvine). National Institute of Justice, co-PI, 1996-98, \$226,384.
- “Evaluation of Orange County Gang Intervention Efforts” (through UC Irvine). U.S. Department of Justice, Community Oriented Policing Services office, PI, 1996-98, \$176,678.

“Orange County Gang Incident Tracking System” (through UC Irvine). Pacific Mutual Foundation, co-PI, 1995, \$25,000.

Intramural Grants (1989-2002): \$35,000

University of Wyoming Faculty Basic Research Grant: \$2,000 (2000)

UC Irvine Faculty Development Fellowship: one quarter course release (1996)

UC Irvine Faculty Research Fellowship: \$1,500 (1995)

UC Irvine Faculty Research Fellowship: \$1,200 (1993)

Testing an Evolutionary Ecological Theory of Crime. UC Irvine Faculty Research Fellowship: \$10,000 (1991)

University of California President’s Dissertation Year Fellowship: \$20,000 (1989)

SPECIAL DISTINCTIONS

Awards, Accomplishments and Honors

Nominated by NIOSH for CDC’s Charles C. Shepard Science Award, Assessment and Epidemiology category for 2009 paper “Atypical Work Hours and Metabolic Syndrome among Police Officers” (co-author, 2010).

Successfully negotiated a Cooperative Research and Development Agreement with the Department of Homeland Security’s Federal Law Enforcement Training Center, Training Innovations Research Division, a federal laboratory, that enables sharing of staff and resources between WSU and FLETC/TID. (2008)

Guest Researcher, Centers for Disease Control, National Institute for Occupational Safety and Health, Health Effects Laboratory (2007-)

Participated in a National Sleep Foundation taskforce advising the Nuclear Regulatory Commission on fatigue/fitness for duty rules for (10 CFR Part 26, RIN 3150–AF12) that were adopted for the nuclear power industry (2005-07).

Pioneered a novel national research agenda focused on police performance issues, gained political and financial support, developed research design criteria, educated researchers and practitioners, obtained \$3 million in funding, leveraged that funding into \$11 million in research grants by developing cooperative agreements with other federal research agencies (1996-2005).

Developed the concept of a criminal justice statistical analysis center for state of Wyoming, obtained political and financial support, helped implement the center and served as its founding director. The center now unifies collection and analysis of statewide crime, education, health, and family services data–Wyoming is the only state to do so (1997-01).

Helped develop the Focused Research Group on Orange County Street Gangs at UC Irvine and served as founding director (1995-97). During my direct involvement with the FRG, it produced more than 12 refereed publications, guided local gang prevention and suppression efforts for six years, supported five doctoral dissertations, and brought in \$531,122 in external grant funding.

Distinguished Interdisciplinary Research Award, Social Ecology Associates, UC Irvine (1992).

Student speaker for Graduate Division Commencement Ceremony at UC Davis (1990).

Successfully lobbied members of the U.S. Congress over a three-year period for the inclusion of long-term law enforcement technical assistance and training for the emerging nations of Micronesia in enabling legislation for the Compacts of Free Association (enacted 1986).

Nominated for Federal Law Enforcement Officer of the Year Award by U.S. Department of the Interior (1982).

Participated in National Security Council Working Group formulating policy for U.S. response to civil unrest on Kwajalein Atoll, played key role in defusing physical confrontations and avoiding bloodshed (1982).

Elected Rapporteur of Anti-Fraud and Anti-Smuggling Conference for Asia and the Pacific sponsored by United Nations Economic and Social Commission for Asia and the Pacific, Kathmandu, Nepal (1982).

Elected Vice-Chair of Anti-Fraud and Anti-Smuggling Conference for Asia and the Pacific sponsored by United Nations Economic and Social Commission for Asia and the Pacific, Bangkok, Thailand (1981).

Appointed chairman, Trust Territory of the Pacific Islands Personnel Appeals Board (1979-80).

Commendations for Outstanding Service

Excellence in Advising Award from students at University of Wyoming (2002).

UC Irvine Senior Class Award "Most Outstanding Professor [among 43 faculty] in the School of Social Ecology" (1993).

U.S. Department of Justice for assistance with drug enforcement efforts (1984).

Trust Territory of the Pacific Islands for performance in law enforcement and public safety leadership positions during a six-year period (1984).

Federated States of Micronesia Congress for developing and implementing a regional police training academy (1983).

U.S. Department of the Army for actions on Kwajalein Atoll during civil unrest (1982).

Republic of Palau Obiil Era Kelulau [National Congress] for assistance with development of a national constitution (1981).

Trust Territory of the Pacific Islands for actions during jailbreak on island of Ponape (1980).

Kosrae State Legislature, Governor, and Federated States of Micronesia congress for service as chief of police (1979).

Los Angeles County Sheriff's Department for actions during various tactical emergencies (1972, '73, '75).

Military Awards and Decorations

Purple Heart Medal, Vietnam Campaign Medal, Vietnam Service Medal, National Defense Service Medal

PROFESSIONAL SERVICE ACTIVITIES

National Service

Evaluated the utility and suitability of RapidResponder®, a critical incident preparedness and response technology, for enhancing the U.S. Marshals Service's judicial protection capabilities nationwide. National Institute of Justice, Office of Science and Technology (2007-08).

Member, Advisory Committee, Buffalo Cardiometabolic Occupational Police Stress Study, NIOSH & University of Buffalo (2004-).

Member, Advisory Panel for Police Officer Emergency/Disaster Training: Development of Stress-Reduction Components, a Temple University project (2005-).

Member, Security Evaluations Planning Committee, National Science Foundation/Office of Science and Technology Policy (2005)

Member, Trans-National Institutes of Health Coordinating Committee (2004-2005)

Member, Sleep Disorders Research Advisory Board, National Heart, Lung, and Blood Institute, National Institutes of Health (2004-2005)

U.S. Department of Justice representative, Federal Interagency Working Group in the Social, Behavioral and Economic Sciences (2003-2005)

Executive planning committee member, national implementation of the White House Criminal Justice DNA initiative (2003-2005)

Member, U.S. Centers for Disease Control/National Institute for Occupational Safety & Health team establishing a national occupational research agenda on long work hours (2003-07)

Planning committee member, 6th International Work Stress and Health Conference, American Psychological Association/NIJ (2003-06)

Planning committee member, Long Working Hours, Safety, and Health: Toward a National Research Agenda conference, CDC/University of Maryland (2003-04)

Executive planning committee member, annual Criminal Justice Research and Evaluation Conference (2003, 2004)

Planning committee member, National Summit to Prevent Drowsy Driving (2001-02)

Advisor to National Sleep Foundation regarding law enforcement-related issues (2002-)

Testimony before U.S. House of Representatives Foreign Affairs Committee Chairman regarding law enforcement problems in the U. S. Trust Territory of the Pacific Islands. Washington, D.C. (1984)

Testimony before U.S. House of Representatives Subcommittee on Public Lands and National Parks. "Policy Implications of Japanese Organized Crime Activities in the Trust Territory of the Pacific Islands." Washington, D.C. (1984)

Testimony before Republic of Palau Constitutional Convention Committee on Civil Liberties and Fundamental Rights regarding capital punishment and incarceration. Koror, Palau (1979)

Professional Association Membership

American Association for the Advancement of Science
American Society of Criminology
Academy of Criminal Justice Sciences
International Association of Chiefs of Police
Sleep Research Society
U.S. Naval Institute
Honorary Member, Sekcija za Kriminologiju (Serbian Section for Criminology)

Consultancies

Consultant to Fatigue Sciences, Inc. and Wesley Corporate Health Pty. Ltd. Re Queensland Police Service Invitation No. QPS10-199, Contracting Services to Conduct a Fatigue Risk Management Project. (2010)

Consultant, Oregon Health and Science University on NIH grant "SHIELD: Safety & Health Improvement: Enhancing Law Enforcement Departments" (1R01OH009676-01A1) (2010-2014)

Member, Vehicle Operations Research Training Advisory team, California Commission on Peace Officer Standards and Training (2009-).

Advisor and trainer to Seattle Police Department regarding officer fatigue policy, countermeasures and management (2008-).

Member, Operational Neuroscience Research Team for Advanced Brain Monitoring, Inc. DARPA/DSO Accelerated Learning projects (2008-).

Advisor to Port Authority of New York and New Jersey regarding management of sworn officers' work hours and fatigue (2008-09).

Evaluator and advisor to National Institute of Justice, Office of Science and Technology regarding school safety and critical incident technologies (2007-).

Advisor to Oakland (Calif.) Police Officers' Association regarding shift work, work hours and fatigue management (2007).

Advisor to Oakland, Calif. Police Department regarding shift work, work hours and fatigue management (2007-)

Advisor to Calgary Police Service regarding shift work, work hours and fatigue management (2006-)

Advisor to Toronto Police Association regarding shift-work (2006-07)

Advisor to Canadian Professional Police Association on police work-hour issues (2006-07)

Advisor to American Prosecutors Research Institute on identity theft and identity-related fraud (2005)

Advisor to National Sleep Foundation re National Action Plan To Prevent Drowsy Driving (2003)

Expert witness re police fatigue in U.S. v. Wallace Hooks and Ryan Griner (19 Aug. 2003)

Advisor to Nuclear Regulatory Commission regarding nuclear power plant security personnel hours-of-work regulations (2002)

Expert advisor in Amadou Diallo shooting case (1999)

Advisor to Wyoming Governor's Substance Abuse and Violent Crime Advisory Board
(1998-2002)

Grant Reviewer

Center for Disease Control, National Institute for Occupational Safety and Health,
National Institute of Justice, National Science Foundation, U.S. Department of State,
American Philosophical Society

Editorial Board Member

Police Quarterly

Journal Referee

American Journal of Sociology, American Sociological Review, Criminology, Current
Topics in Medicinal Chemistry, Evolution and Human Behavior, Human Nature,
Industrial Health, International Archives of Occupational and Environmental Health,
Journal of Quantitative Criminology, Journal of Research on Crime and Delinquency,
Policing: An International Journal of Police Strategies and Management, Social
Problems, Social Science Computing Review, Studies on Crime and Crime Prevention,
Theoretical Criminology, Traumatology

Pre-Publication Book Reviewer

Cambridge University Press, Oxford University Press, Prentice Hall, Prometheus Books,
Wadsworth-West

Professional Association Service

Division Chair, American Society of Criminology 2001 conference (2000-01)
Secretary, Police Section, Academy of Criminal Justice Sciences (1999-2001)
Awards Committee, American Society of Criminology (1998-99)
International Criminology Committee, Academy of Criminal Justice Sciences (1998-2002)

University Committees & Service

Graduate Education and Research Committee, College of Liberal Arts, Washington State
University—Spokane campus representative (2008-)
Scientific Advisory Group, Spokane Heart Study (2007-)
Washington State University, Academic Showcase Committee (2006-07)
Wyoming Statistical Analysis Center for Rural Policy Studies Advisory Committee (2001-
02)
University of Wyoming Law School Internal Review Committee (1999-2000)
University of Wyoming Academic Senate (1999-2000)
University of Wyoming GIS-Spatial Data Committee (1998-2002)
University of California, Irvine Alcohol & Chemical Dependencies Certification Advisory
Committee (1994-96)

University of California, Irvine Truman Fellowship screening and student preparation committee (1993-97)
Faculty advisor to UC Irvine Puerto Rican Students Association (1993)
University of California Nature Reserve System advisory committee (1991-94)
University of California, Irvine Human Subjects Review Committee (1991-93)
University of California, Irvine Regent's Lecturers and Professors Committee (1991-95)
School of Social Ecology Underrepresented Student Programs Committee (1991-93)
School of Social Ecology Computer Committee (1992-94)
Faculty advisor to UC Irvine Vietnamese Students Association (1991)
University of California, Davis Human Subjects Review Committee (1988-90)

Other Professional Public Service

Member, School Safety Technical Working Group, National Institute of Justice (2008-)
Member, Washington State Criminal Justice Training Commission, Police Officer Certification Board (2006-)
Member, Washington Attorney General's Task Force on Identity Theft (2006-08)
Member, National Sleep Foundation Advisory Board reviewing Nuclear Regulatory Commission proposed work-hour regulations (2005-)
Faculty Associate, WSU Institute for the Study of Intercommunal Conflict (2008-)
Wyoming state representative to Justice Research Statistics Association (2000-01)
Delegate, Western Governor's Association Drug Policy Conference (2000-01)
Participant, National Institute of Justice Crime Mapping & Data Confidentiality Roundtable (1999)
Member, Orange County, Calif. Gang Strategy Steering Committee (1995-98)

PUBLIC SPEAKING

Invited Presentations

2010 "Accelerating Learning Phase II: Deadly Force Judgment and Decision Making Neurophysiological Feedback Experimental Results and Future Opportunities." Defense Advanced Projects Research Agency, Defense Science Office, St. Michaels, Md., 08 Dec.
2010 "Impact of Work-Related Fatigue on Critical Operational Task Performance." Office of Naval Research – Arlington, Va., 07 Dec.
2010 "Common Threads Between Policing and Contemporary Warfighting." Washington State University – Spokane, Wa., 15 Nov.
2010 "Tired Cops: Strategies for Promoting Officer Safety by Managing Fatigue and Work Hours." (Workshop organizer and chair.) International Association of Chiefs of Police, Annual Meeting, Orlando, Fla., 23 Oct.
2010 "Police Fatigue and Highway Safety Workshop." International Association of Chiefs of Police, Highway Safety Committee Midyear Meeting, Branson, Mo., 17 June.

- 2010 "How Fatigue Affects Police Performance" The NIJ Conference, Washington, D.C., 15 June.
- 2010 "Fatigue Threats & Countermeasures: Extended and Emergency Field Operations." FBI TM/TI Conference, Dallas, Tx. 04 May.
- 2010 "Balancing Public Health and Safety Worker Fatigue with Demands for Service." National Sleep Foundation Sleep Health & Safety Conference, 6 Mar.
- 2010 "Simulation and Modeling for Critical Incident Tactical Training." Technologies for Critical Incident Response annual conference, Philadelphia, 4 Feb.
- 2010 "Tired Cops: Balancing Sleep, Resiliency and Health with Demands for Service." Oregon Health Sciences University Medical School Grand Rounds, Portland, Ore., 26 Jan.
- 2009 "Tired Cops: Understanding and Managing Police Fatigue." Spokane County Sheriff's Office Regional Training Workshop, Spokane, Wa., 8 Dec.
- 2009 "Police Work-Hour Guideline Research." Washington Association of Sheriffs and Police Chiefs Fall Training Conference, Blaine, Wa., 18 Nov.
- 2009 "Experimental Evaluation: A Tool for Developing Training Simulation Technologies." National Institute of Justice Technology Institute for Law Enforcement, Annapolis, Md., 3 Nov.
- 2009 "Adapting Training Simulators to Measure the Impact of Fatigue on Police Performance." National Institute of Justice Research and Evaluation Conference, Crystal City, Va., 17 June.
- 2009 "More Precise Deadly Force Metrics: Developing New Tools for Research & Practice." National Institute of Justice Research and Evaluation Conference, Crystal City, Va., 16 June.
- 2009 "Understanding and Managing Police Fatigue." Washington State Patrol Academy staff half-day workshop. Shelton, Wa., 30 Apr.
- 2009 "Managing Sleep to Improve Employee Safety, Health and Performance." Association of Washington Cities' Employee Health Academy workshop. Richland, Wa., 16 Apr.
- 2009 "Understanding and Managing Police Fatigue." Day-long workshop for police executives, managers and supervisors. Seattle, Wa., 02 Feb.
- 2008 "Tired Cops: Impact of Long & Erratic Work Hours on Police Officer Health & Safety." International Association of Chiefs of Police annual meeting, San Diego, Calif. 8 Nov.
- 2008 "Why Drowsy Driving is a Threat." Evergreen Safety Council, Drowsy Driving Conference, Portland, O.R., 30 Sept.
- 2008 "Fatigue Management: Health and Safety Impacts, and Countermeasures that Work." ORC Worldwide™ Fortune 500 Western Occupational Health meeting, Santa Barbara, Calif., 3 Sept.
- 2008 "Tired Cops Might Avoid Being Held Accountable, But Their Departments Won't." International Association of Law Enforcement Planners, Sioux City, I.A., 18 Sept.
- 2008 "Strategic Planning for Evaluating Active Shooter Simulations." U.S. Department of Justice, School Safety Technical Working Group, Annapolis, M.D., 28 April 28.

- 2007 "Changing Organizations to Manage Shift Work, Work Hours and Wellness." International Association of Law Enforcement Planners, Calgary, Alberta, 15 Oct.
- 2007 "Plan for Good Decisions on Shift Work, Work Hours and Wellness." International Association of Law Enforcement Planners, Calgary, Alberta, 15 Oct.
- 2007 "Saving Tired Cops/Cops Stopping Drowsy Driving." Wake Up Michigan! Symposium, Michigan Office of Highway Safety Planning, Grand Rapids, Mich. 20 Sept.
- 2007 "Potential New Tools for Dealing With Police Fatigue & Stress." U.S. Department of Justice, Body Armor Technology Working Group, Spokane, W.A. 21 August.
- 2007 "Fatigue Management with Police." ORC Worldwide™ Fortune 500 Occupational Safety and Health Group, Washington, D.C. 8 Aug.
- 2007 "Police Technology Evaluation: Are You One With the Force?" Training seminar for National Institute of Justice managers, Washington, D.C. 25 May.
- 2007 "The Most Important Piece of Protective Technology is a Brain: How Sleep, Stress and Equipment Design Affect Safety, Performance & Health." U.S. Department of Justice, Law Enforcement Personal Protective Equipment TWG Meeting, Albuquerque, N.M. 22 May.
- 2007 "Impact of Work Hours on Police Officer Performance, Health and Safety." Calgary Police Service Shift Scheduling Workshop, Calgary, Alberta, March 21.
- 2006 "Running on Empty: How Fatigue Hinders Disaster Response and Counter-Terror Efforts." Washington State University 3rd Friday speaking series, October 20.
- 2006 "Healthier, Safer Cops & Communities: Why Police Fatigue is a Labour Issue." Canadian Professional Police Association Executives & Directors Meeting, Calgary, October 14.
- 2006 "Healthier, Safer Cops & Communities: Using Research to Help Manage Officer Fatigue." Washington Association of Sheriffs and Police Chiefs Spring Conference, May 24.
- 2006 "Consequences of Fatigue on Disaster Response & Counter-Terror Efforts." Plenary speaker, 6th International Work Stress and Health Conference, Miami, March 3.
- 2006 "Healthier, Safer Cops & Communities: Experiment-Based Police Work-Hour Guidelines." Washington Association of Sheriffs and Police Chiefs Executive Board Meeting, January 18.
- 2005 "Managing Police Fatigue: Busted Budgets & Officer Performance." South Dakota Sheriffs and Chiefs Association, Rapid City, S.D.
- 2005 "Assessing the Impact of Work Hours on the Health and Safety of Police Officers." Police Union Leadership Seminar, Labor and Worklife Program, Harvard Law School, Cambridge, Mass.
- 2005 "Tired Cops: Sleep, Job Performance, Health and Safety." Public Policy & Sleep Leadership Forum, Washington, D.C.
- 2005 "Randomized Control Trials in Police DNA Research." DNA Expansion Workshop, Washington, D.C.
- 2005 "Law Enforcement and Corrections Research: The Human Side." National Conference of U.S. Law Enforcement Training and Coordinating Regional Advisory Committees, Houston, Texas.

- 2004 "Beyond Tired Cops Fatigue, Human Performance and Justice." Research Triangle Institute, International, Durham, N.C.
- 2004 "Beyond Tired Cops Fatigue, Human Performance and Justice." Washington State University, Spokane, W.A.
- 2004 "Alternate Futures for New York's Crime Control Efforts." New York State Division of Criminal Justice, Albany, N.Y.
- 2004 "Criminal Behavior & Crime Control Evolutionary Ecology's Map for Research & Policy." Binghamton University Conference on Community-Based Research from an Evolutionary Perspective, Binghamton, N.Y.
- 2004 "Physical and Psychological Issues Arising Out Of Shift Work." Psychological & Physical Issues Workshop for Public Safety Employees, San Diego, Calif.
- 2004 "Future Directions for State Crime Control Efforts." National Institute of Justice/National Governors Association Joint Policy Conference, Savannah, Georgia.
- 2004 "Impact of Demographic & Technological Change on Crime and Crime Control: 2004 to 2044." NIJ Annual Research & Evaluation Conference plenary, Washington, D.C.
- 2004 "Policing's Future: Adapting to Evolving Threats to Public Safety" Israeli Public Safety Ministry/U.S. National Institute of Justice meeting, New York City, with Thom Feucht.
- 2004 "Police Officer Performance, Health, Safety, and Sleep Disorders." National Institutes of Health, Sleep Disorders Research Advisory Board, Bethesda, M.D.
- 2004 "Meeting the Challenge of Police Stress and Fatigue." National Weed and Seed Law Enforcement Conference, Buffalo, N.Y.
- 2004 "Tired Cops, Tired People: Causes and Solutions." Maryland Department of Transportation Highway Conference, Frederick, Maryland.
- 2004 "Police Long Working Hours: Problems and Opportunities." Long Working Hours, Safety, and Health: Toward a National Research Agenda conference, Baltimore, Maryland.
- 2004 "Boosting the Impact of Technology with Social Science Research." National Law Enforcement and Corrections Technology Center Advisory Council annual meeting, San Diego, Calif.
- 2004 "Developing a Joint Agenda for Police Fatigue and Stress Research" National Institute for Occupational Safety and Health, Health Effects Laboratory, Morgantown W.V.
- 2004 "Mapping Gang Crime: The Orange County, Calif. Gang Incident Tracking System (GITS)." Urban Institute, Washington, D.C.
- 2003 "Why are Law Enforcement Officers Tired?" Maryland Distracted & Drowsy Driving Awareness Seminar, Hagerstown, Maryland.
- 2003 "Managing Fatigue Post 9/11: Overtime, Busted Budgets and Officer Performance." Police Executive Research Forum annual conference, Washington, D.C.
- 2003 "Police Work Hours and Fatigue." FBI National Academy guest lecture, Quantico, Virginia.
- 2003 "Using Geographic Information Science to Aid Criminal Justice Research and Practice." University Consortium for Geographic Information Science Winter Meeting, Washington, D.C.

- 2003 "Key Issues in Engaging Police in Community-Based Drowsy Driving Education." National Highway Traffic Safety Administration, Washington, D.C.
- 2002 "The Role of Law Enforcement in Preventing Drowsy Driving." National Drowsy Driving Summit, National Academy of Sciences, Washington, D.C.
- 2002 "Police Work Hours and Fatigue." National Occupational Research Agenda Working Group, National Institute for Occupational Safety and Health, Cincinnati, Ohio.
- 2001 "The Case for Practical Optimism About Crime Control and Prevention." National Institute of Justice, Washington, D.C.
- 2001 "Arguing the Death Penalty, An Historical Overview." Simpson Memorial Public Forum. Laramie, Wyoming.
- 2001 "Techniques for Managing Police Fatigue." Cheyenne Police Department. Cheyenne, Wyoming.
- 2000 "A Crime Control Strategy for the 21st Century." Current Issues and Emerging Trends Symposium, National Interagency Civil-Military Institute. San Luis Obispo, Calif.
- 2000 "A Wyoming Crime Control Strategy for the 21st Century." Wyoming National Experts' Think Tank 2020: Creating a Vision for Wyoming conference. Jackson, Wyoming
- 2000 "Finding the Political Will to Invest in the Future." We Need to Talk: A Community Dialogue on Substance Abuse. Cheyenne, Wyoming.
- 1999 "A Wyoming Crime Control Strategy for the 21st Century." Governor's Substance Abuse and Violent Crime Advisory Board. Cheyenne, Wyoming.
- 1999 "Police Fatigue: Developing Shift Schedule and Work-Hour Policies." Ohio Police Chiefs' Association Seminar. Columbus, Ohio.
- 1999 "Gang Incident Tracking System Analysis." NIJ/OJJDP Gang Research Cluster Conference. Washington, D.C.
- 1999 "Police Fatigue." National Law Enforcement Families Symposium. San Antonio, Texas.
- 1999 "The Orange County Response to Gangs: A Practitioner/Researcher Partnership." National Youth Gang Symposium. Las Vegas, Nevada.
- 1999 "Police Officer Stress, Fatigue and Burnout." Midwestern Criminal Justice Institute day-long workshop. Wichita, Kansas.
- 1998 "Fatigue and Police Officers." National Conference on Community Policing-What Works: Research and Practice. Arlington, Virginia.
- 1998 "Fatigue and Police Officers." National Community Policing Conference. Portland, Oregon.
- 1998 "Can We Control Crime?" UWYO Day of Classes public lecture. Laramie, Wyoming.
- 1998 "Fatigue and Police Ethics." Wyoming Association of Sheriffs and Chiefs of Police Executive Issues Symposium. Douglas, Wyoming.
- 1998 "We Can Control Crime." League of Women Voters of Wyoming. Laramie, Wyoming.
- 1996 "The General Evolutionary Ecological Paradigm for Understanding Criminal Behavior." University of Cambridge, Institute of Criminology. Cambridge, England.

- 1996 "Nurturance and the Paradox of Crime Control" Conference on Ethological and Developmental Approaches to Male Violence, Program on Mediating Theory and Democratic Systems, Wayne State University. Detroit, Michigan.
- 1996 "Does the War on Drugs Protect our Youths?" University of Calif., Irvine, Medical Center New Horizons in Pediatrics lecture series for university and community physicians. Orange, Calif.
- 1996 "Orange County, California's Regional Gang Incident Tracking System." National Youth Gang Symposium. Dallas, Texas.
- 1996 "Gang Research in Orange County, California." National Institute of Justice & Office of Juvenile Justice and Delinquency Prevention Gangs Cluster Conference. Washington, D.C.
- 1996 "Policy Issues Associated with Cross-Jurisdictional Measurement of Gang Incidents." FBI Southwest Command College Law Enforcement Executive Development Series. Santa Ana, Calif.
- 1996 "Measuring Gang Activity in Orange County." Social Ecology Associates lecture series. University of California, Irvine.
- 1995 "Violent Crime: Threats to Safety in our Streets and Schools." UCI Symposium Series on Violence. Irvine, Calif.
- 1995 "Breaking the Crime Control Paradox." Washington State University. Pullman, Washington.
- 1994 "Up Against a Wall: Have We Hit the Limits of Police Shooting Accuracy?" with Greg Morrison. Department of Criminology, Law & Society colloquium. University of California, Irvine.
- 1994 "We Can Control Crime." California State University, Fullerton, Guest Lecture Series. Fullerton, Calif.
- 1992 "Is the War On Drugs Working?" UCI Lectures Series public forum speaker. Irvine, Calif.
- 1992 "Does the 'War on Drugs' Protect Our Youths?" New Horizons in Pediatrics Lecture Series. UCI Medical Center. Orange, Calif.
- 1991 "Taking a Hard Look at Crime: What Can the Federal Government Do?" U.S. Office of Personnel Management, Western Executive Seminar Center, workshop for senior executives. Denver, Colorado.
- 1982 "Criminal Threats to the Viability of Emerging Micronesian Nations: Implications for U.S. Foreign Policy and Law Enforcement." Keynote address to Federal Law Enforcement Conference on the Trust Territory of the Pacific Islands. Washington, D.C.
- 1981 "Tailoring Law Enforcement to Meet an Island's Needs." Justice in Micronesia Seminar, University of Guam, Micronesian Area Resource Center. Agana, Guam.

Professional Conference Presentations

- 2010 "Interval-level Metrics for Evaluating Police Performance in Deadly Force Situations." American Society of Criminology Annual Conference, San Francisco, Calif., 19 Nov.

- 2010 "Development of Realistic Deadly Force Judgment and Decision Making Scenarios for Experimentation and Training." American Society of Criminology Annual Conference, San Francisco, Calif., 18 Nov. (with Lois James).
- 2009 "The Effects of Officer Fatigue on the Exercise of Police Discretion and Accountability." American Society of Criminology Annual Conference, Philadelphia, Pa., 5 Nov.
- 2008 "Unaccountable Cops: Police Work Hours and the Abuse of Discretion," with Jason Moore. American Society of Criminology Annual Conference, St. Louis, M.O.
- 2006 "Developing Police in Micronesia: Lessons Learned, What They Mean Today." American Society of Criminology Annual Conference, Los Angeles.
- 2006 "Reversing the Vicious Cycle of Police Stress and Fatigue." 6th International Work Stress and Health Conference, Miami.
- 2005 "Fatigue and Police Discretionary Decision Making: Links Between Work Hours and Injustice." American Society of Criminology Annual Conference, Toronto.
- 2005 "Balancing Counter-Terrorism Strategies: Lessons from Evolutionary Ecology," with Joanne Savage. American Society of Criminology Annual Conference, Toronto.
- 2004 "Using Hotter/Colder-Than-Expected-Spot-Methods to Map the Concentration of Research Opportunities," with James W. Meeker and Ronald E. Wilson. American Society of Criminology Annual Conference, Nashville, Tenn.
- 2004 "Fatigue and Police Officer Performance, Health and Safety." Poster presentation, American Society of Criminology Annual Conference, Nashville, Tenn.
- 2004 "Using GIS to Address Street Gang Crime." 7th Annual International Crime Mapping Conference, Boston, Mass.
- 2003 "GIS as a Tool for Analyzing Crime Data." Annual Conference on Criminal Justice Research and Evaluation: Enhancing Policy and Practice. Washington, D.C.
- 2002 "The Cop Crunch: Identifying Strategies to Deal with the Recruiting and Hiring Crisis in Law Enforcement," with Lorie Fridell, Jerry Murphy and Tom Jordan. American Society of Criminology Annual Conference.
- 2001 "Workshop: Managing Fatigue and Alertness." 108th Annual Conference of the International Association of Chiefs of Police. Toronto, Canada.
- 2001 "Can Forms-Scanning Software Help Streamline Crime Data Collection and Analysis?" Annual Conference on Criminal Justice Research and Evaluation: Enhancing Policy and Practice. Washington, D.C.
- 2000 "Objective Analysis of the Effects of Retention Elections on Judges' Sentencing Practices Under the Merit Plan," with Carter Rees and Sam Cantrell. American Society of Criminology Annual Conference.
- 1999 "Privacy: Data Confidentiality vs. Freedom of Information." Crime Mapping Research Center Annual Conference. Orlando, Florida.
- 1999 "Tired Cops: Testing Relationships Between Fatigue and Patrol Officer Performance, Health and Safety." American Society of Criminology Annual Conference.
- 1999 "Tired Cops: Results from a Study of Fatigue among Patrol Officers in Four Medium-Sized Metropolitan Police Agencies." Academy of Criminal Justice Sciences Annual Conference.

- 1998 "Mapping Gang Incidents Across 30 Municipal Boundaries." Mapping Out Crime: The Second Annual Crime Mapping Conference. Arlington, Virginia.
- 1998 " Evolutionary Ecology and Crime Control: Prospects for Preventing Criminality," with Joanne Savage. American Society of Criminology Annual Conference.
- 1998 "Policy Implications of Gang Incident Tracking System (GITS) Data," with Douglas Wiebe and James W. Meeker. American Society of Criminology Annual Conference.
- 1998 "Fear of Crime and Gangs: Differences among White, Latino and Vietnamese Residents of Orange County, California," with Jodi Lane and James W. Meeker. American Society of Criminology Annual Conference.
- 1998 "Gang-Related vs. Gang-Motivated: An Analysis of Definitional Differences and Gang Incident Patterns," with Katie Parsons and James Meeker. American Society of Criminology Annual Conference.
- 1998 "Relationships Between Concentrations of Gang Incidents, Social and Demographic Factors and Reported Fear of Gang Crime," with James Meeker and Douglas Wiebe. Academy of Criminal Justice Sciences Annual Conference.
- 1998 "Fear of Gangs in Orange County, California," with Jodi Lane and James Meeker. Western Society of Criminology Annual Conference.
- 1998 "Changes in Child Welfare and Subsequent Crime Rate Trends: A Cross-National Test of the Lagged Nurture Hypothesis," with Joanne Savage. Western Society of Criminology Annual Conference.
- 1997 "Does Evolutionary Ecological Theory Tell Us Anything Unique About Controlling Crime?" with Joanne Savage. American Society of Criminology Annual Conference.
- 1997 "A Triangular Approach to Evaluating the Effectiveness of Regional Street Gang Prevention, Intervention and Suppression Programs," with James Meeker. Conference on Criminal Justice Research and Evaluation. Washington, D.C.
- 1997 "Using a GIS-Based Gang Incident Tracking System to Evaluate Intervention and Violence Reduction Programs," with James W. Meeker. American Society of Criminology Annual Conference.
- 1997 "GIS-Based Mapping of Gang Incidents in Orange County, California," with James W. Meeker. American Society of Criminology Annual Conference.
- 1997 "Spatial and Temporal Distribution of Gang Crimes," with James Meeker and Douglas Wiebe. Academy of Criminal Justice Sciences Annual Conference.
- 1996 "Violent Crime Around the World," with Joanne Savage. American Society of Criminology Annual Conference.
- 1996 "Tired Cops: Effects of Fatigue on the Performance, Health and Safety of Patrol Officers," with Erik Taiji. American Society of Criminology Annual Conference.
- 1996 "An Overview of the Evolution of the Capital Punishment Debate in the United States," with Cynthia Morris. American Society of Criminology Annual Conference.
- 1996 "Gang Typologies and Criminal Activities," with James Meeker. American Society of Criminology Annual Conference.
- 1996 "The Orange County Gang Incident Tracking System." Academy of Criminal Justice Sciences Annual Conference.

- 1995 "Lagged Effects of Nurture on Crime: A Cross-National Comparison," with Joanne Savage. American Society of Criminology Annual Conference.
- 1995 "Regional Variation in Gang-Related Crime Patterns: A Preliminary Analysis of Orange County's Gang Incident Tracking System," with James W. Meeker. American Society of Criminology Annual Conference.
- 1995 "Breaking the Crime Control Paradox: An Evolutionary Ecological Paradigm at Work." American Association for the Advancement of Science poster session.
- 1994 "Could We Break the Crime Control Paradox?" American Society of Criminology Annual Conference.
- 1994 "The Evolutionary Ecology of Criminal Behavior: Breaking the Crime Control Paradox." American Psychological Association Annual Conference.
- 1992 "Policy Implications of an Evolutionary Ecological Theory of Crime." American Society of Criminology Annual Conference.
- 1991 "Is the War on Drugs an Example of a Runaway Cultural Process?" Academy of Criminal Justice Sciences Annual Conference.
- 1990 "Is Crime Normal?" American Society of Criminology Annual Conference.
- 1980 "Cross Cultural Law Enforcement Development and Training." Academy of Criminal Justice Sciences Annual Conference.
- 1980 "Management Implications of Fatigue Among Field Police Officers." Western Association of Criminal Justice Educators Annual Conference.