

# Joel M. Caplan

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## CURRICULUM VITAE

### EDUCATION

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**University of Pennsylvania**, School of Social Policy & Practice, Philadelphia, PA  
*Ph.D. in Social Welfare Policy*, 2008

**Rutgers University**, School of Criminal Justice, Newark, NJ  
*M.A. in Criminal Justice*, 2004

**The College of New Jersey** (formerly Trenton State College), Ewing, NJ  
*B.S. in Law and Justice*, 2003

### PROFESSIONAL EMPLOYMENT

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**School of Criminal Justice, Rutgers University**, Newark, NJ

*Assistant Professor* | 2008 – present

*Associate Director*, Rutgers Center on Public Security | 2010 – present

*Assistant Director*, Rutgers Center on Public Security | 2008 - 2010

**Center for Research on Youth and Social Policy (CRYSP)**, Philadelphia, PA

*Research Associate* | 2007 - 2008

- Principal Investigator for grant funded research on parole systems in the U.S.
- Supervised research assistants

**Cartographic Modeling Lab**, Philadelphia, PA

*Research Associate* | 2004 – 2007

- Produced and analyzed GIS maps
- Initiated and collaborated on public safety-related research projects
- Engaged in public relations activities, including national presentations and lectures

**Longport Police Department**, Longport, NJ

*Dispatcher* | 2003 – 2004

- Dispatched police, fire, and EMS personnel and resources
- Operated Public Safety Terminal and answered/managed 911 phone calls
- Operated NCIC, ATS, and ASC systems

**Police Institute**, Rutgers University, Newark, NJ

*Research Assistant* | 2003 – 2004

- Conducted criminal case history reviews
- Developed and implemented criminal offender classification protocols
- Produced and analyzed GIS maps

**Cape May City Police Department**, Cape May, NJ

*Police Officer, SLEO II* | 2000 – 2002

- Patrolled on foot, bike and car
- Conducted criminal investigations
- Testified in court

**MONOC – Atlantic City Emergency Medical Services**, Atlantic City, NJ

*Emergency Medical Technician (EMT)* | 1999 – 2002

- Treated medical and traumatic injuries
- Commanded mass-casualty incidents
- Drove ambulance in emergency and non-emergency modes

## TEACHING EXPERIENCE

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### School of Criminal Justice, Rutgers University, Newark, NJ

*Assistant Professor*, Fall 2008 to present

- "Spatial Risk Assessment" (Graduate)
- "Crime Control Theory and Research" (Graduate)
- "Crime Mapping and GIS for Public Safety" (Graduate)
- "Advanced GIS Mapping and Spatial Analysis" (Graduate)
- "Criminal Justice System" (Graduate)
- "Introduction to the Criminal Justice System" (Undergraduate)

### School of Social Policy & Practice, University of Pennsylvania, Philadelphia, PA

*Adjunct Professor*, Spring 2008

- "Program Evaluation" (Graduate)

### Department of Sociology, Anthropology & Criminal Justice, Rutgers University, Camden, NJ

*Adjunct Professor*, Summer 2007

- "Introduction to GIS Mapping and Analysis for Public Safety" (Undergraduate and Graduate)

### American Heart Association, Shore Memorial Hospital Regional Training Center, Somers Point, NJ

*BLS Instructor*, 1999 to present

- Professional and Community CPR, Defibrillation and First Aid Courses

## JOURNAL PUBLICATIONS

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**Caplan, J. M.** (2012, forthcoming). Protecting parole board legitimacy in the twenty-first century: The role of victims' rights and influences. *Victims and Offenders*, 7, 1-24.

**Caplan, J. M.** (2012, forthcoming). Mapping the spatial influence of crime correlates: A comparison of operationalization schemes and implications for crime analysis and CJ practice. *Cityscape*, 14(3), 57-83.

**Caplan, J. M.**, Kennedy, L. W., & Petrossian, G. (2011). Police-monitored CCTV cameras in Newark, NJ: A quasi-experimental test of crime deterrence. *Journal of Experimental Criminology*, 7, 255-274.

**Caplan, J. M.**, Kennedy, L. W., & Miller, J. (2011). Risk terrain modeling: Brokering criminological theory and GIS methods for crime forecasting. *Justice Quarterly*, 28(2), 360-381. [2010, online first]

Kennedy, L. W., **Caplan, J. M.**, Piza, E. (2011). Risk clusters, hotspots, and spatial intelligence: Risk Terrain Modeling as an Algorithm for Police Resource Allocation Strategies. *Journal of Quantitative Criminology*, 27(3), 339-362. [2010, online first]

Matejkowski, J. **Caplan, J. M.**, & Cullen, S. W. (2010). The impact of severe mental illness on parole decisions: Considering integration within a prison setting. *Criminal Justice and Behavior*, 37(9), 1005-1029.

**Caplan, J. M.** & Kinnevy, S. (2010). National surveys of state paroling authorities: Models of service delivery. *Federal Probation*, 74(1), 34-42.

**Caplan, J. M.** (2010). Parole release decisions: Impact of victim input on a representative sample of inmates. *Journal of Criminal Justice*, 38, 291-300.

**Caplan, J. M.** (2010). Parole release decisions: Impact of positive and negative victim and non-victim input on a representative sample of parole-eligible inmates. *Violence and Victims*, 25(2), 224-242. [Received "Advancing Victim-Centered Knowledge Scholarly Paper Award" from the National Center for Victims of Crime in Washington, DC]

- Paparozzi, M. A. & **Caplan, J. M.** (2009). A profile of paroling authorities in America: The strange bedfellows of politics and professionalism. *The Prison Journal*, 80, 401-425.
- Mellow, J., Schlager, M. D., & **Caplan, J. M.** (2008). Using GIS to evaluate post-release prisoner services in Newark, New Jersey. *Journal of Criminal Justice*, 36(5), 416-425.
- Metraux, S., **Caplan, J. M.**, Klugman, D., & Hadley, T. R. (2007). Assessing residential segregation among medicaid recipients with psychiatric disability in Philadelphia. *Journal of Community Psychology*, 35(2), 239-255.
- Caplan, J. M.** (2007). What factors affect parole? A review of empirical research. *Federal Probation*, 71(1), 16-19.
- Carr, B. G., **Caplan, J. M.**, Pryor, J. P., & Branas, C. C. (2006). Benchmarking pre-hospital care times for trauma: A meta-analysis. *Prehospital Emergency Care*, 10(2), 198-206.
- Caplan, J. M.** (2006). Parole system anomie: Conflicting models of casework and surveillance. *Federal Probation*, 70(3), 32-36.
- Caplan, J. M.** (2003). Police cynicism: Police survival tool? *The Police Journal*, 76(4), 304-313.

#### **CHAPTERS IN EDITED BOOKS**

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- Rusnak, D., Kennedy, L. W., Eldivan, I. S., & **Caplan, J. M.** (2012). Countering the Threat of Terrorism: Applying Risk Terrain Modeling in Turkish Cities. In C. Lum and L. Kennedy (Eds.), *Evidence-Based Counterterrorism Policy*. New York: Springer-Verlag.
- Kennedy, L. W. & **Caplan, J. M.** (2011). Risk Terrains and Crime Emergence. In J. McGloin, C. Sullivan, and L. W. Kennedy. *When Crime Appears: The Role of Crime Emergence*. NY: Taylor & Francis.
- Caplan, J. M.**, Moreto, W. D., & Kennedy, L. W. (2011). Forecasting Global Maritime Piracy Utilizing the Risk Terrain Modeling (RTM) Approach to Spatial Risk Assessment. In L. W. Kennedy and E. F. McGarrell (Eds.), *Crime and Terrorism Risk: Studies in Criminology and Criminal Justice*. New York: Routledge.
- Caplan, J. M.** (2010). What Factors Affect Parole: A Review of Empirical Research. In R. Satyanarayana (Ed.), *Parole--Judicial Reflections* (pp. 102-113). Hyderabad, India: Icfai University Press.
- Caplan, J. M.** (2006). Booking. In *Criminal Justice* (pp. 93-94). Pasadena, CA: Salem Press.

#### **DISSERTATION AND SCHOLARLY MONOGRAPHS (UNREFEREED)**

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- Kennedy, L. W., Yasemin Gaziarofoglu, & **Caplan, J. M.** (2012, Forthcoming). *Global Risk Terrain Modeling Manual: Theoretical Framework and Technical Steps of Worldwide Spatial Risk Assessment*. (Published by CreateSpace, Charleston, SC and also available from Rutgers Center on Public Security, Newark, NJ at [www.riskterrainmodeling.com](http://www.riskterrainmodeling.com)).
- Caplan, J. M.** & Kennedy, L. W. (Eds.) 2011. *Risk Terrain Modeling Compendium*. (Published by CreateSpace, Charleston, SC and also available from Rutgers Center on Public Security, Newark, NJ at [www.riskterrainmodeling.com](http://www.riskterrainmodeling.com)).
- Caplan, J. M.** & Kennedy, L. W. (2010). *Risk Terrain Modeling Manual: Theoretical Framework and Technical Steps of Spatial Risk Assessment*. (Published by CreateSpace, Charleston, SC and also available from Rutgers Center on Public Security, Newark, NJ at [www.riskterrainmodeling.com](http://www.riskterrainmodeling.com)).

**Caplan, J. M.** (2010). *GIS for Public Safety: An Annotated Guide to ArcGIS Tools & Procedures*. (Published by ComteQ, Margate, NJ and also available from Rutgers Center on Public Security, Newark, NJ at [www.rutgerscps.org/gisbook](http://www.rutgerscps.org/gisbook)).

**Caplan, J. M.** (2008). *Parole Release Decisions in New Jersey: Effects of Positive and Negative Victim and Non-victim Input*. (Unpublished doctoral dissertation available from the University of Pennsylvania, Philadelphia, PA).

## REPORTS

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Crager, K., Meehan, L., Rusnak, D., Aquino, C., & **Caplan, J. M.** (2011). *Newark Funders Group GIS Report*. (Available from the Victoria Foundation, Glen Ridge, NJ)

Crager, K., Meehan, L., Rusnak, D., Aquino, C., & **Caplan, J. M.** (2011). *Victoria Foundation GIS Report #2*. (Available from the Victoria Foundation, Glen Ridge, NJ)

Meehan, L., Aquino, C., Crager, K., & **Caplan, J. M.** (2010). *Victoria Foundation GIS Report #1*. (Available from the Victoria Foundation, Glen Ridge, NJ)

**Caplan, J. M.** (2010). *Practically Meaningful (but Statistically Insignificant) Method for Smoothing Census Data for Inclusion into a Risk Terrain Model*. (Available from Rutgers Center on Public Security, Newark, NJ at [www.rutgerscps.org/rtm/CensusDataSmoothing\\_InsightsBrief\\_2.pdf](http://www.rutgerscps.org/rtm/CensusDataSmoothing_InsightsBrief_2.pdf))

Matejkowski, J., **Caplan, J. M.**, & Cullen, S. W. (2010). *The Impact of Mental Illness on Criminal Risk Factors and Parole Release Decisions*. (Available from the New Jersey State Parole Board, Trenton, NJ).

**Caplan, J. M.**, Cullen, S. W., & Matejkowski, J. (2009, February). *Understanding the Impact of Severe Mental Illness on Parole Release Decisions*. (Available from The University of Pennsylvania Collaborative on Community Integration of Individuals with Psychiatric Disabilities, Rehabilitation Research and Training Center; Philadelphia, PA).

**Caplan, J. M.** (2009, May). *Geographic Distributions of DWI Arrests and Motor Vehicle Collisions in Northfield, NJ: Implications for Sobriety Checkpoints*. (Available from the City of Northfield Police Department, Northfield, NJ).

Kinnevy, S. C. & **Caplan, J. M.** (2008, February). *Time served analysis: Results from a national survey of paroling authorities*. (Available from The Pew Charitable Trusts, Washington, DC).

Kinnevy, S. C. & **Caplan, J. M.** (2008, April). *Findings from the APAI International Survey of Releasing Authorities*. (Available from the Association of Paroling Authorities International, Wallingford, PA).

**Caplan, J. M.** (2008, July). *Parole Release Decisions: Impact of Victim & Non-Victim Input*. (Available from the New Jersey State Parole Board, Trenton, NJ).

Kinnevy, S. C. & **Caplan, J. M.** (2008, July). *Use of Decision-Making Instruments: Findings from a National Survey of Parole Boards and Releasing Authorities*. (Available from The Pew Charitable Trusts, Washington, DC).

**Caplan, J. M.** & Kinnevy, S. C. (2008, July). *Calculating Recidivism and Producing Statistics: Findings from a National Survey of Parole Boards and Releasing Authorities*. (Available from The Pew Charitable Trusts, Washington, DC).

**Caplan, J. M.** & Kinnevy, S. C. (2008, November). *Parole Release Decisions: Effects of Positive & Negative Victim and Non-Victim Input*. (Available from the JEHT Foundation, New York, NY).

- Kinnevy, S. C. & **Caplan, J. M.** (2008, November). *National Surveys of State Parole Boards: Models of Service Delivery*. (Available from the JEHT Foundation, New York, NY).
- Caplan, J. M.**, Long, G., & Garcia, J. (2006, May). *Visualizing History: Preservation Alliance GIS Mapping Prospectus*. (Available from Preservation Alliance of Greater Philadelphia, PA)
- Caplan, J. M.**, Kokaz, M., & Klein, N. (2006, April). *Emergency Evacuation Models for Commencement Ceremonies at Franklin Field*. (Available from the Division of Public Safety at the University of Pennsylvania, Philadelphia, PA).
- Branas, C. C., MacKenzie, E., ReVelle, C., Schwab, C. W., Durbin, D., Williams, J., Li, J., **Caplan, J. M.**, & Kowitt, B. (2005, November). Separate state-specific reports entitled "Geographic Access to Trauma Facilities" were delivered to emergency management representatives in the States of CA, CO, FL, IA, MD, NC, NJ, NY, OK, OR, PA, UT, and WA.
- Caplan, J. M.** (2005, October). *A Review of Responses to Bicycle Theft: Recommendations for Control and Prevention*. (Available from Division of Public Safety at the University of Pennsylvania, Philadelphia, PA).
- Metraux, S., **Caplan, J. M.**, & Hadley, T. R. (2005, March). *Geographic Distribution of Medicaid Recipients with Psychiatric Disabilities in Philadelphia*. (Available from Rehabilitation Research and Training Center [RRTC] on Community Integration of People with Psychiatric Disabilities; Philadelphia, PA Office of Mental Health.

## EDITORIALS AND REVIEWS

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- Caplan, J. M.** & Matejkowski, J. (March 14, 2009). A View on the Death Penalty. (Invited guest editorial for the blog *Changing Lives, Changing Minds*, a nationally recognized alternative sentencing program for criminal offenders founded by UMass—Dartmouth. At <http://cltl.umassd.edu/blog>).
- Carr, B. G., **Caplan, J. M.**, Pryor, J. P., & Branas, C. C. (2007). Study provides national averages for prehospital transport times for trauma patients over the last 30 years. *AHRQ Research Activities*, 319, 14.
- Caplan, J.** (2005). Be Prepared to Be a Hero. *Jewish Times of South Jersey*, July 29, 9 (30), 6.
- Caplan, J.** (2005). What Prisons Say About Society. *The Daily Pennsylvanian*, October 14.
- Caplan, J. M.** (2003). Policy for Profit: The Private-Prison Industry's Influence Over Criminal Justice Legislation. *ACJS Today*, 26, 15-20.
- Caplan, J. M.** (2002). Alternatives to incarceration: A solution to skyrocketing correctional costs. *The College of New Jersey Journal of Student Scholarship*, IV(April), 34-38.

## GRANT AND FUNDING SUPPORT

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### **Co-Developer and Lead Instructor (\$2,600)**

*From the Dean's Research Fund Award*. For the development and implementation of a risk terrain modeling workshop webinar. 2011

### **Principal Investigator (\$188,620)**

*From the National Institute of Justice (NIJ)*. For 2 years; Project titled "Detection of Crime, Resource Deployment, and Predictors of Success: A Proposed Multi-Level Analysis of CCTV in Newark, NJ." [Award #2010-IJ-CX-0026]. 2010

**Principal Investigator (\$7,500)**

*From the Victoria Foundation.* To fund a graduate student's time and travel for participation in and assistance with a GIS project that will support strategic decision-making activities at the Victoria Foundation. The PI's time and service was provided pro bono (total project is valued at \$56,963). 2009

**Principal Investigator (\$20,000)**

*From the Rutgers Academic Excellence Fund.* For two years; For a research project entitled "Inmates with Severe Mental Illness: Institutional Behavior, Chances for Parole and Supervision Needs in the Community." 2009

**Co-Principal Investigator (\$23,390)**

*From the UPENN Collaborative on Community Integration of Individuals with Psychiatric Disabilities.* For six months; Under grant H133-B03-1109 from the National Institute on Disability and Rehabilitation Research. To examine the extent to which severe mental illness impacts parole release decisions either directly or indirectly through its association with other release factors that are considered by parole board members when deciding parole release. 2008

**Principal Investigator (\$117,500)**

*From the JEHT Foundation.* For one year; To determine the effects of positive and negative victim and non-victim input on parole release decisions in New Jersey. 2007

**Principal Investigator (\$6,000)**

*University of Pennsylvania GAPSA-Provost's Award for Interdisciplinary Innovation.* For three months; To study the effects of victim input on parole release decisions. 2006 (inaugural year for this grant fellowship award)

**Principal Investigator (\$3,300)**

*From the Horowitz Foundation for Social Policy.* To support data collection for a pilot study to investigate the effects of victim input on parole release decisions. 2006

**Principal Investigator (\$500)**

*From Rutgers University's School of Criminal Justice.* To study the effects of one-way streets on emergency vehicle response times. 2003

**SERVICE**

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**TO THE ADVANCEMENT OF THE ACADEMIC PROFESSION**

*Peer Reviewer* for Grant Applications Received by the National Institute of Justice, U.S. Department of Justice, Washington, DC, 2010

*Ad Hoc Peer Reviewer* for

- *Criminal Justice Review*
- *Journal of Research in Crime and Delinquency*
- *Journal of Quantitative Criminology*
- *Justice Quarterly*
- *Criminal Justice and Behavior*
- *Journal of Applied Geography*

**TO STATE AND LOCAL GOVERNMENTS**

*Consultant (pro bono)* to Northfield Police Department, Northfield, NJ; For crime analysis and GIS related issues; 2009 – present

*Consultant (pro bono)* to Newark Police Department CompStat Unit, Newark, NJ; For crime analysis and GIS related issues; 2008 – present

*Advisor (pro bono)* to the New Jersey State Parole Board, Office of Policy & Planning, Trenton, NJ; For internal and external research projects and policy development, particularly with regard to GIS; 2007 – 2011

## **TO OTHER PUBLIC BODIES**

*Consultant (pro bono)* to Victoria Foundation, Glen Ridge, NJ; For GIS-related issues; 2009 – present

*Consultant (pro bono)* to Preservation Alliance, Philadelphia, PA; For a needs assessment and feasibility review for the utilization of workstation and online GIS mapping applications; 2006

*Consultant (pro bono)* to PICO-Philadelphia [PICO stands for People Improving Communities through Organizing], Philadelphia, PA; For GIS map production; 2010

*Member* of GAPSA-Provost Interdisciplinary Innovation Award Selection Committee, University of Pennsylvania, Philadelphia, PA; Reviewed and selected research grant proposals for awards totaling \$36,000; 2007

*Board Member* to Division of Public Safety Advisory Board, Philadelphia, PA; To advised the Vice President of Public Safety on the strategic direction of the Division—including police, fire, and EMS; To educate the community about programs and services; To respond to community concerns regarding policing, safety and security; 2005 – 2008

*Elected Co-Chair* of Doctoral Student Steering Committee, School of Social Policy and Practice, Philadelphia, PA; 2006 – 2007

## **TO RUTGERS UNIVERSITY**

*Board Member*, Rutgers-Newark Council on Community Based Learning; 2010 – present

*Member*, School of Criminal Justice Executive Masters Program Development Committee, Newark; 2010-2011

*Member and Chair of Working Group "CBL fellowships, other programs, and external support,"* Community-Based Learning Committee, Rutgers University, Newark, (An ad hoc committee formed by the Chancellor to examine community-based learning at Rutgers-Newark and tasked to recommend ways in which RU-N can facilitate these activities and make them as effective as possible); 2010

*School of Criminal Justice Representative and Elected Executive Cabinet Member*, Newark Faculty Council, Rutgers University, Newark; 2009-2010

*Member*, Dean's Research Grants Review Committee, School of Criminal Justice, Newark; 2009

*Advisory Committee Member*, Cornwall Center for Metropolitan Studies; 2009 – present

*Member*, Instructional Computing Initiative (ICI) Committee, Rutgers University, Newark; 2008 – 2011

## **INVITED SPEAKING ENGAGEMENTS AND CONFERENCE PRESENTATIONS**

### **KEYNOTE OR PLENARY ADDRESSES**

*Parole Release Decisions: Impact of Victim and Non-victim Input on Parole-Eligible Inmates*, Prisoner Reentry Institute Occasional Series on Reentry Research, New York, NY, November 2010.

*Research Transition at the Frontier - Integrating Theory, Data Collection and Analysis in Decision Making*, Department of Homeland Security Research Transition Workshop, Maryland Coordination Analysis Center, Woodlawn, MD, October 2009, with L. Kennedy and C. Adreychak.

*GIS Mapping for Prisoner Reentry*, U.S. Department of Labor's Prisoner Reentry Initiative Grantees Meeting, Arlington, VA, November 2008.

*Trends in Parole Release: Results of an International Survey of Paroling Authorities*, 24<sup>th</sup> Annual Training Conference of the Association of Paroling Authorities International, Louisville, KY, April 2008, with S. Kinnevy.

## **INVITED ADDRESSES**

*Risk Terrain Modeling: Using Basic GIS Functionality for Spatial Risk Assessment and Event Forecasting*, Rutgers University DIMACS/CCICADA Interdisciplinary Series, Piscataway, NJ, April 2011.

*Forecasting Global Maritime Piracy Locations*, Symposium on Emergent Threats in the 21<sup>st</sup> Century, Rutgers University Division of Global Affairs, Newark, NJ, March 2010, with William Moreto.

*Risk Terrains: Theoretically- and Empirically-Grounded Spatial Models for Strategic Decision-Making*, University of Pennsylvania School of Medicine Research-in-Progress Seminar, Philadelphia, PA, March 2010.

*Risk Terrain Modeling: Spatial Risk Assessment for Crime Analysis and Policing Operations*, 3<sup>ème</sup> conférence internationale sur l'observation de la criminalité (3rd International Conference on the Observation of Crime), Montréal, Canada, October 2010.

*Drug Arrests, Shootings and Gang Residences in Irvington: An Exercise in Data Discovery*, Threat Assessments Conference: Innovations and Applications in Data Integration and Analysis, New Jersey's Regional Operations Intelligence Center, West Trenton, NJ, February 2009.

*Parole release decisions in New Jersey: The impact of public input and the needs of people who provide it*, Cornwall Center Seminar, Rutgers University, Newark, NJ, March 2009.

*Geographic Risk Assessments for Violent Crime Forecasting and Tactical Police Responses*, Chancellor's Annual Research Day, Rutgers University, Newark, NJ, April 2009.

*Criminogenic Spatial Modeling: Brokering Criminological Theory and GIS Methods for Tactical Police Decision-Making*, Avencia, Inc., Innovative Geographic Solutions (now Azavea), Philadelphia, PA, June 2009.

*The Importance of GIS for Decision Support and Public Data Dissemination*, Invitation-only panel presentation and forum to John P. Walters, Director, U.S. Office of National Drug Control Policy, at the University of Pennsylvania School of Social Policy & Practice, Philadelphia, PA, July 2006.

*GIS and Web-Based Mapping Applications for Community Planning and Research*, National Institute of Justice (NIJ) Mapping and Analysis for Public Safety (MAPS) Program Eighth Annual Crime Mapping Research Conference, Savannah, GA, September 2005.

## **OTHER INVITED PRESENTATIONS, DEMONSTRATIONS AND WORKSHOPS**

*16-Hour Workshop Instructor*, "Risk Terrain Modeling for Spatial Risk Assessment." National Institute of Justice (NIJ) Mapping and Analysis for Public Safety (MAPS) Program Eleventh Annual Crime Mapping Research Conference – Preconference Training, Miami, FL, October 2011.

*3-Hour Workshop Instructor*, "Risk Terrain Modeling for Spatial Risk Assessment." International Association of Crime Analysts Annual Meeting, Hyannis, MA, September 2011.

*8-Hour Workshop Instructor*, "Risk Terrain Modeling for Spatial Risk Assessment." John Jay College of Criminal Justice, Prisoner Reentry Institute, New York, NY, May 2011.

*8-Hour Workshop Instructor*, "Risk Terrain Modeling for Spatial Risk Assessment." Azavea, Philadelphia, PA, December 2010.

*3-Hour Workshop Instructor*, "Risk Terrain Modeling Workshop: The Steps of Spatial Risk Assessment." 3<sup>ème</sup> conférence internationale sur l'observation de la criminalité (3rd International Conference on the Observation of Crime), Montréal, Canada, October 2010.

*Interviewee*, "GIS Mapping and Research at the Rutgers Center on Public Security," Breakfast at the Barracks (a television talk show produced by the Rutgers University Division of Continuing Studies), Piscataway, NJ, February 2010.

*Panelist*, "Food Borne Illness Bioterrorism Case Study and Panel Discussion," Public Health Program and Public Health Society at The Richard Stockton College of New Jersey, Pomona, NJ, April 2009. (Broadcast on Comcast Cable TV Channel 9).

*Presenter*, "When Seconds Feel Like Hours: What You Should Know About Emergency Medical Responses," Breakthru Physical Therapy and Everfit Wellness Center, Medford, NJ, May 2005.

## **INVITED CLASSROOM LECTURES**

*GIS Mapping for Juvenile Justice Policy and Practice*, Rutgers University School of Criminal Justice, Newark, NJ, December 2010.

*How I got to where I am with GIS: The evolution of spatial thinking and GIS methods*, Univ. of Pennsylvania, School of Design - "Advanced Topics in GIS", Philadelphia, PA, April 2010.

*Geographic Information Systems (GIS) for Public Health Planning and Service Delivery*, Richard Stockton College of New Jersey, School of Health Sciences, Pomona, NJ, April 2009.

*GIS Mapping for Criminal Justice Research, Policy and Planning*, Richard Stockton College of New Jersey Carnegie Library Center, Atlantic City, NJ, April 2009.

*Re-conceptualizing Basic GIS Methods for Interdisciplinary Policy, Practice and Research*, University of Pennsylvania, School of Design, Dept. of Landscape Architecture, Philadelphia, PA, October 2007.

*Community Mapping: GIS and its Application to Social Work*, University of Pennsylvania, School of Social Policy & Practice, Philadelphia, PA, October 2007.

*Looking at Public Health and Safety Issues, Adding Perspective with GIS*, Richard Stockton College of New Jersey, Division of Professional Studies, Pomona, NJ, April 2005-2007 (yearly).

*GIS for Criminal Justice Policy and Planning*, Richard Stockton College of New Jersey, Dept. of Criminal Justice, Pomona, NJ, February 2007.

*An Introduction to GIS for Research and Analysis*, Temple University, Philadelphia, PA, December 2005.

*An Introduction to GIS for Research and Analysis*, Rutgers University, Camden, NJ, November 2005.

*Police Stress, Cynicism and Burnout*, Rutgers University School of Criminal Justice, Newark, NJ, July 2005.

*Evaluating, Analyzing and Reviewing Data with GIS*, Rutgers University School of Criminal Justice, Newark, NJ, December 2003.

*Enforcing the Law: Theory, Policy and Practice*, Rutgers University School of Criminal Justice, Newark, NJ, April 2003.

## CONFERENCE PRESENTATIONS

*'A Plague on Both Your Houses': Risks, Repeats and Reconsiderations of Urban Residential Burglary*, American Society for Criminology Annual Meeting, Washington, DC, November 2011, with William Moreto and Eric Piza.

*The Collateral Consequences of Incarceration and Prisoner Reentry: An Analysis of Non-Victim Input to Parole Boards*, American Society for Criminology Annual Meeting, Washington, DC, November 2011, with Johnna Christian and Heather Tubman-Carbone.

*Technical Steps of Risk Terrain Modeling: Live Demonstration*, American Society for Criminology Annual Meeting, Washington, DC, November 2011.

*Risk Terrains and Crime Emergence*, American Society for Criminology Annual Meeting, Washington, DC, November 2011, with Leslie Kennedy.

*Identifying Best Places for CCTV Placement: An Analysis of Micro-level Environmental Features*, American Society for Criminology Annual Meeting, Washington, DC, November 2011, with Eric Piza and Leslie Kennedy.

*Countering the Threat of Terrorism: Applying Risk Terrain Modeling to Turkish Cities*, American Society for Criminology Annual Meeting, Washington, DC, November 2011, with Danielle Rusnak, I.S. Eldivan, and Leslie Kennedy.

*Risk Terrain Modeling for Spatial Risk Assessment*. National Institute of Justice (NIJ) Mapping and Analysis for Public Safety (MAPS) Program Eleventh Annual Crime Mapping Research Conference, Miami, FL, October 2011.

*Risk Clusters, Hotspots, and Near Repeats: Risk Terrain Modeling as an Algorithm for Police Resource Allocation Strategies*, Association of American Geographers Annual Meeting, Seattle, WA, April 2011, with Leslie Kennedy and Eric Piza.

*Assessing the Influence of Environmental Risk on Parole Failure*, American Society for Criminology Annual Meeting, San Francisco, November 2010, with Joel Miller.

*An Exploration of Opportunities for Gun Shooting in an Urban Environment*, American Society for Criminology Annual Meeting, San Francisco, November 2010, with Jie Xu and Leslie Kennedy.

*Discovering Opportunities for Early Police Intervention: An Analysis of Shooting Incidents Captured on CCTV*, American Society for Criminology Annual Meeting, San Francisco, November 2010, with Eric Piza and Leslie Kennedy.

*Risk terrain modeling: Brokering theory and GIS methods for strategic decision making and tactical action*, Association of American Geographers Annual Meeting, Special Session on Crime Modeling and Mapping, Washington, DC, April 2010, with Leslie Kennedy.

*Risk Terrains: Theoretically- and Empirically-Grounded Spatial Models for Tactical Decision-Making*, ESRI International User Conference, Session on Strategic Analysis for Fighting Crime, San Diego, July 2010, with Leslie Kennedy.

*Risk Terrain Modeling: A Spatial Approach to Risk Assessment for Crime Analysis and Policing Operations*, 2010 International Problem-Oriented Policing and Crime Analysis Training Conference, Arlington, TX, September 2010, with Leslie Kennedy.

*Clusters, Hotspots, and Spatial Intelligence: Risk Terrains Modeling as an Algorithm for Police Resource Allocation Strategies*, 2010 Esri Mid-Atlantic User Group Conference, Philadelphia, November-December 2010, with Eric Piza and Leslie Kennedy.

*Sustaining Stakeholder Satisfaction: Identifying the Needs of People who Provide Input to Parole Boards*, American Society for Criminology Annual Meeting, Philadelphia, November 2009, with Heather Tubman-Carbone.

*Understanding the Impact of Severe Mental Illness on Parole Release Decisions*, Society for Social Work and Research 13<sup>th</sup> Annual Conference, New Orleans, January 2009, with Jason Matejkowski and Sara Cullen.

*National Surveys of State Parole Boards: Models of Service Delivery*, American Society for Criminology Annual Meeting, St. Louis, November 2008, with Susan Kinnevy.

*Understanding the Impact of Mental Illness on Parole Eligibility and Release Dispositions*, American Society for Criminology Annual Meeting, Atlanta, November 2007, with Jason Matejkowski and Sara Cullen.

*Parole Release Decisions: Effects of Positive and Negative Victim and Non-Victim Input*, American Society for Criminology Annual Meeting, Atlanta, November 2007.

*Using GIS to Evaluate Post Release Prisoner Reentry Needs in Newark, NJ*, American Society for Criminology Annual Meeting, Los Angeles, November 2006, with Jeff Mellow and Melinda Schlager.

*Web-Based Crime Mapping for Decision Support, Policy Analysis and Public Relations*, American Society for Criminology Annual Meeting, Los Angeles, November 2006.

*Compositions and Requirements of Paroling Authorities in the U.S.: A National Survey*, American Society for Criminology Annual Meeting, Toronto, Canada, November 2005, with Mario Paparozzi.

*Assessing the Residential Distribution of People with Severe Mental Illness: A GIS Analysis*, 5<sup>th</sup> Annual Cross-University Collaborative Mentoring Conference, Philadelphia, PA, May 2005, with Stephen Metraux.

*Police Performance Evaluations and the Effect of One-Way Streets on Response Times*, American Society for Criminology Annual Meeting, Nashville, November 2004.

*Emergency Responses in an Urban Environment*, Rutgers University School of Criminal Justice Research Forum, Newark, NJ, April 2003.

## **WEBINARS AND ONLINE PRESENTATIONS**

*Instructor*, "Risk Terrain Modeling for Spatial Risk Assessment Workshop Webinar." Online, Open to the international public, July 2011.

*Instructor*, "Risk Terrain Modeling for Spatial Risk Assessment Workshop Webinar." Online, Limited Registration for Rutgers School of Criminal Justice Students, May 2011.

## **PROFESSIONAL MEMBERSHIPS AND AFFILIATIONS (RECENT PAST AND PRESENT)**

- American Society for Criminology
- Academy of Criminal Justice Sciences
- International Association of Crime Analysts
- Association of American Geographers

## **PROFESSIONAL HONORS AND AWARDS**

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- Academy of Criminal Justice Sciences (ACJS) Donal MacNamara Award for Outstanding Journal Publication, 2012
- Community Engagement Award for Community Research, Rutgers University-Newark Office of the Chancellor, 2011
- International Association of Crime Analysts (IACA) Membership Award Nominee, 2011
- Advancing Victim-Centered Knowledge Scholarly Paper Award, National Center for Victims of Crime (Washington, DC), 2011
- Hal Levin Award for Outstanding Ph.D. Student, 2007
- Best Overall Graduate Student Map, North East Map Org. (NEMO) GIS Map Design Competition, 2007
- Heyer Foundation Graduate Prize Fellowship Award, 2006
- University of Pennsylvania GAPSA-Provost's Award for Interdisciplinary Innovation, 2006
- Lt. Edward Manzione Award, Rutgers University, School of Criminal Justice, 2004
- Written Commendations from Cape May City Police Department, 2001, 2002
- Humanitarian Award, presented by the City of Linwood, 2001
- Lifesaving Award, Linwood Rescue Squad, 2001
- Community Service Award, Linwood Rescue Squad, 2001
- Director's Award, Cape May County Police Academy, 2000

## **CERTIFICATIONS AND SPECIALIZED TRAINING (SELECTED)**

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- 911 Telecommunicator, APCO Institute
- Class II Law Enforcement Officer, Graduated the Cape May County Police Academy, New Jersey
- Community Water Rescue, American Red Cross
- CPR, Defibrillator (AED), First Aid, and Basic Life Support Instructor: American Heart Association
- D.W.I. Checkpoint Seminar, Atlantic County Prosecutor's Office, NJ
- Emergency Crime Scene Responder
- Emergency Medical Dispatcher (EMD), APCO Institute
- Emergency Medical Technician (EMT), New Jersey Department of Health
- Emergency Vehicle Operator – EVOC & CEVO
- Hazardous Materials Level 1 First Responder, New Jersey
- Incident Command Systems, New Jersey
- Police Bicycle Patrol Officer Certified
- School Safety Analysis Using ArcGIS: ESRI Certificate