

Elizabeth R. Groff

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EDUCATION

University of Maryland, College Park, MD

PhD, Geography, August 2006

Dissertation Title: “Exploring the Geography of Routine Activity Theory: A Spatio-temporal Model Using Street Robbery”

MA, Criminology and Criminal Justice 2005

University of North Carolina at Charlotte, Charlotte, NC

Summa cum laude

MA, Geography 1994

BS, Geography 1992

WORK EXPERIENCE

2007 – Present	Assistant Professor	TEMPLE UNIVERSITY Philadelphia, PA
2002 – 2007	Senior Research Associate	INSTITUTE FOR LAW AND JUSTICE Alexandria, VA
1998 – 2002	Program Manager/Analyst	NATIONAL INSTITUTE OF JUSTICE, Crime Mapping Research Center Washington, DC
1995 – 1998	GIS Specialist	CHARLOTTE-MECKLENBURG POLICE DEPARTMENT Charlotte, NC
1997 – 1998	Adjunct Faculty	UNC CHARLOTTE Charlotte, NC

AWARDS AND HONORS

Fellow (elected) of the Academy of Experimental Criminology	2010
Intergraph Junior Faculty Award, UCGIS Summer Assembly	2009
Academy of Experimental Criminology’s Young Experimental Scholar Award	2008
William L. Garrison Award for Best Dissertation in Computational Geography, Honorable Mention	2006
UCGIS Dynamics Workshop, Selected Participant	2006
Fellowship, University of Maryland	2004 – 2006
National Institute of Justice’s Special Achievement Award	1998
Map selected for ESRI Map Book “GIS in Law Enforcement”	1997

AWARDS AND HONORS (CONT.)

- Map selected for ESRI Map Book "YMCA Market Analysis" 1994
- Charles M. Tiebout Prize in Regional Science, Third Place 1993
- Taylor Award for Outstanding Geography Student 1992

JOURNAL ARTICLES

- Groff, E. R. and McCord, E. (In press). The Role of Neighborhood Parks as Crime Generators. *Security Journal*.
- Groff, E. R. (In Press). Exploring 'Near': Characterizing the Spatial Extent of Drinking Place Influence on Crime. *Australian and New Zealand Journal of Criminology*.
- Groff, E.R., D. Weisburd, and Yang, S-M. 2010. Is it Important to Examine Crime Trends at a Local "Micro" Level?: A Longitudinal Analysis of Block to Block Variability in Crime Trajectories. *Journal of Quantitative Criminology*, 26:7-32.
- Weisburd, D, N. Morris, and Groff, E.R. 2009. Hot Spots of Juvenile Crime: A Longitudinal Study of Street Segments in Seattle, Washington. *Journal of Quantitative Criminology*, 25(4): 443-467.
- Groff, E. R. and Birks, D. 2008. Simulating Crime Prevention Strategies: A Look at the Possibilities. *Policing: A Journal of Policy and Practice*, 1(0): 1-10.
- Groff, E. R. 2008. Adding the Temporal and Spatial Aspects of Routine Activities: A Further Test of Routine Activity Theory. *Security Journal*, 21(1-2): 95-116.
- Groff, E. R. 2007. 'Situating' Simulation to Model Human Spatio-Temporal Interactions: An Example Using Crime Events. *Transactions in GIS*, 11(4):507-530.
- Groff, E. R. 2007. "Simulation for Theory Testing and Experimentation: An Example Using Routine Activity Theory and Street Robbery." *Journal of Quantitative Criminology* 23:75-103.
- Groff, E. R. and McEwen, T. 2007. "Integrating Distance Into Mobility Triangle Typologies." *Social Science Computer Review* 25:210-238.
- Groff, E.R., Kearley, B., Beatty, P., Fogg, H., Couture, H., and Wartell, J. 2005. "A Randomized Experimental Study of Sharing Crime Data with Citizens: Do Maps Produce More Fear?" *Journal of Experimental Criminology* 1:87-115.
- Beckman, K., Wyckoff, L., Groff, E.R., and Beatty, P. 2004. "Trends in Police Research: A Cross-sectional Analysis of the 2001 Literature," *Police Practice and Research* 5 (2): 165-189, 2004.
- Groff, E.R., and La Vigne, N.G. 2001. "Mapping an Opportunity Surface of Residential Burglary," *Journal of Research in Crime and Delinquency* 38 (3):257-278.

BOOK CHAPTERS (PEER REVIEWED)

- Groff, E. R., D. Weisburd, and N. Morris 2008. Where the Action is at Places: Examining Spatio-Temporal Patterns of Juvenile Crime at Places Using Trajectory Analysis and GIS. In D. Weisburd, W. Bernasco and G. Bruinsma (eds), *Putting Crime in its Place: Units of Analysis in Spatial Crime Research*. Springer-Verlag.
- Groff, E. R. 2008. Characterizing the Spatio-Temporal Aspects of Routine Activities and the Geographic Distribution of Street Robbery. In L. Liu & J. Eck (Eds.), *Artificial Crime Analysis Systems: Using Computer Simulations and Geographic Information Systems* (pp. 226-251). Idea Group: Hershey, PA.
- Groff, E.R. and T. McEwen. 2005. "Disaggregating the Journey to Homicide." In F. Wang (ed.), *Geographic Information Systems and Crime Analysis* (pp.60-83). Idea Group: Hershey, PA.
- Groff, E.R. and N.G. LaVigne. 2002. "Forecasting the Future of Predictive Crime Mapping." In N. Tilley (ed.), *Analysis for Crime Prevention* (Vol. 13, pp. 29-58). Criminal Justice Press: Monsey, NY.
- Groff, E.R. and N.G. La Vigne. 2001. "Evolution of Crime Mapping in the United States: From the Descriptive to the Analytic." In A. Hirschfield and K. Bowers (eds), *Mapping and Analysing Crime Data: Lessons From Research And Practice* (pp. 203-221). Taylor and Francis: New York.

OTHER PUBLISHED WORKS

- Groff, E. R. (In Press, 2010) Adolphe Quételet. In F. Cullen and P. Wilcox (eds), *Encyclopedia of Criminological Theory*. Sage: Thousand Oaks, CA.
- Weisburd, D., Groff, E., & Yang, S.-M. 2010. *Understanding Developmental Crime Trajectories at Places: Social Disorganization and Opportunity Perspectives at Micro Units of Geography*. Office of Justice Programs, National Institute of Justice.
- Weisburd, D., E.R. Groff and N. Morris. *Hot Spots of Juvenile Crime: Some Preliminary Findings*. Final Report. Washington, DC. Office of Juvenile Justice and Delinquency Prevention. 2009.
- Groff, E.R. *Modeling the Dynamics of Street Robberies*. Final Report. Washington, DC: National Institute of Justice. 2008.
- Groff, E.R. and T. McEwen 2008. Identifying and Measuring the Effects of Information Technologies on Law Enforcement Agencies: The Making Officer Redeployment Effective Program, A Guide for Law Enforcement. Washington, DC, COPS Office.
- Groff, E. R. and L. Mazzerole 2008. "Simulated Experiments and their Potential Role in Criminology and Criminal Justice." *Journal of Experimental Criminology* 4(3).
- Groff, E.R. 2008. Simulating Crime to Inform Theory and Practice. In S. Chainey and Tompson, L. (ed), *Crime Mapping Case Studies: Practice and Research* (pp. 133-141). John Wiley and Sons.

OTHER PUBLISHED WORKS (CONT.)

- Groff, E.R. 2006. Analysis in Practice: Spacing Out Crime. Police Professional Magazine (63: 33-35).
- Groff, E.R. and T. McEwen, 2005. *Exploring the Spatial Configuration of Places Related to Homicide Events*. Final Report. National Institute of Justice: Washington, DC.
- Groff, E.R. and T. McEwen, 2005. *Visualization of Spatial Relationships in Mobility Research: A Primer*. Final Report. Washington DC: Office of Justice Programs; National Institute of Justice.
- Mamalian, C.A., N.G La Vigne, and E.R. Groff. 2001. "The Use of Computerized Crime Mapping by Law Enforcement: Survey Results." National Institute of Justice: Washington, DC.
- Groff, E.R. with J.K. Fleury and D. Stoe, 2000. "Strategic Approaches to Community Safety Initiative (SACSI): Enhancing the Analytic Capacity of a Local Problem-Solving Effort." National Institute of Justice: Washington, DC.
<http://www.ojp.usdoj.gov/nij/sacsi/index.html>.

PUBLICATIONS UNDER REVIEW

- Groff, E. R. and E.S. McCord (Submitted January 2010, R&R Resubmitted July 2010). The Role of Neighborhood Parks as Crime Generators. *Security Journal*.
- Ratcliffe, J., T. Taniguichi, E.R. Groff and J. Wood (Submitted December 2009, R&R Resubmitted May 2010). The Philadelphia Foot Patrol Experiment: A Randomized Controlled Trial of Police Effectiveness in Violent Crime Hotspots." *Criminology*.
- Groff, E.R. and M.J. Fraley (Submitted June 2009, Revised June 2010). Moving Agents on Representative Networks. In K. Johnston, et al (eds), *Using Agent Analyst*. ESRI Press: Redlands, CA.
- Groff, E.R. and M.J. Fraley (Submitted June 2009, Revised June 2010). Adding Complexity to Agent Movement on Representative Networks. In K. Johnston, et al (eds), *Using Agent Analyst*. ESRI Press: Redlands, CA.

PROCEEDINGS PAPERS

- Conley, J.B., E.R. Groff, and T. Lesser. "Strategic Approaches to Community Safety Initiative Winston-Salem, NC: Using GIS to Support Community Safety," proceedings of the Environmental Systems Research Institute User Conference. San Diego, CA, July, 1999.
- Groff, E.R. and N.G. La Vigne. "The Use of Geographic Information Systems (GIS) For State and Local Crime Analysis." Working Paper #19 - United Nations- Economic Commission for Europe, Statistical Commission. Work Session on Geographical Information Systems, Ottawa, Canada,
<http://www.unece.org/stats/documents/1998.10.gis.htm>, 1998.

PROCEEDINGS PAPERS (CONT.)

Groff, E.R. "Geographic Information Systems for Community Policing: A Micro-analysis of Crime". Proceedings of the Urban and Regional Information Systems Conference. Toronto, Canada, 1997.

Alexander, M. E.R. Groff, and L. Hibdon. "An Automated System for the Identification and Prioritization of Rape Suspects," proceedings of the ESRI Users Conference. San Diego, CA, 1997.

INVITED PRESENTATIONS

Groff, E.R., J. Wood, L. Johnson, and J. Ratcliffe. "Officer Behavior on Foot Patrol: Identifying What Worked in the Philadelphia Foot Patrol Experiment" presented at the 2010 Center for Evidence-based Crime Policy Symposium, Fairfax, VA.

Groff, E.R. "Geospatial Technology in Public Safety: The Quest for Actionable Information" **keynote address** at the 2009 Crime Mapping Research Conference, New Orleans, LA.

Groff, E.R. "Agent-based Models in Criminology and Criminal Justice", presented at the 2008 National Institute of Statistical Sciences Workshop on Agent-based Modeling. Research Triangle Park, North Carolina.

Groff, E.R. "Introduction to Spatial Analysis Using Geographic Information Systems," workshop at the 2007 American Society of Criminology Meeting, Atlanta, Georgia.

Groff, E.R., D. Weisburd and N.A. Morris. "Where the Action is at Places: Examining Spatio-Temporal Patterns of Juvenile Crime at Places Using Trajectory Analysis and GIS," presented at the 2006 NSCR Units of Analysis Workshop, Leiden, The Netherlands.

Groff, E.R. "The Virtues and Vices of Geographic Information Systems," **keynote address** at the 2000 Florida Crime and Intelligence Analysts Association, Orlando, FL.

Groff, E.R. "Crime Mapping as a Tool in Informing Weed and Seed Areas about Crime," presented at the 1999 Weed and Seed Annual Conference, Fort Worth, TX. National.

Groff, E.R. "Mapping for Strategic Criminal Justice Planning," presented at the 1999 American Probation and Parole Association, Winter Training Institute, Phoenix, AZ. National.

Groff, E.R. "GIS Primer," **plenary session** presented at the 1998 Crime Mapping Research Conference, Washington, DC.

PRESENTATIONS

- Groff, E.R., J. Ratcliffe, J. Wood, C. Haberman, L. Johnson, E. Sorg and C. Taylor. "Policing Philadelphia: Current Place-based Experiments at the Philadelphia Police Department" presented at the 2010 American Society of Criminology meeting, San Francisco, CA.
- Groff, E.R., J. Wood, J. Ratcliffe, and L. Hart-Johnson. "Identifying what worked in the Philadelphia foot patrol experiment: A Mixed Methods Investigation" presented at the 2010 Stockholm Criminology Symposium meeting, Stockholm, Sweden.
- Yang, S.M., E.R. Groff, and D. Weisburd. "Does Concentrated Disadvantage Affect School Outcomes for Public School Students?" presented at the 2010 Stockholm Criminology Symposium meeting, Stockholm, Sweden.
- Groff, E.R., D. Weisburd, and S.M. Yang. "Is it Important to Examine Crime Trends at a Local "Micro" Level?: A Longitudinal Analysis of Block to Block Variability in Crime Trajectories" presented at the 2009 American Society of Criminology meeting, Philadelphia, PA.
- Groff, E.R., D. Weisburd, and G. Jones. "What Does Automated Vehicle Locator Data Measure about Police Presence?" presented at the 2008 American Society of Criminology meeting, St. Louis, MO.
- Groff, E.R., D. Weisburd, and S.M. Yang. "Exploring 'Near': Characterizing the Extent of a Facility's Influence" presented at the 2008 ESRI User Conference, San Diego, CA.
- Groff, E.R., D. Weisburd, and S.M. Yang. "Quantifying the Influence of Facilities on Places." 2008 Environmental Criminology and Crime Analysis Conference, Anchorage, AK.
- Groff, E.R., D. Weisburd, and S.M. Yang. "The Distribution of Routine Activities, Crime Opportunities, and Social Disorganization Across Micro Units of Place," presented at the 2007 American Society of Criminology meeting, Atlanta, GA.
- Groff, E.R. "Simulation for Theory Testing: A Routine Activity Model of Street Robbery," presented at the 2006 American Society of Criminology meeting, Los Angeles, CA.
- Groff, E.R., D. Weisburd and N.A. Morris. "Where the Action is at Places: Examining Spatio-Temporal Patterns of Juvenile Crime at Places Using Trajectory Analysis and GIS," presented at the 2006 NSCR Units of Analysis Workshop, Leiden, The Netherlands.
- Groff, E.R. "Simulating Theory with Agent Analyst," presented at the 2006 ESRI User Conference, San Diego, CA.
- Groff, E.R. "Incorporating Space into Agent based Models: A Report on Implementing With ArcGIS' Agent Analyst Toolbox," presented at the 2006 Association of American Geographers meeting, Chicago, IL.
- Groff, E.R. "Modeling the Dynamics of Street Robbery," presented at the 2005 American Society of Criminology meeting, Toronto, CA.

PRESENTATIONS (CONT)

- Groff, E.R. and T. McEwen. "A Geometry of Homicide: Dots, Lines and Triangles," presented at the 2005 American Society of Criminology meeting, Toronto, CA.
- Groff, E.R., "Modeling Emerging Crime Patterns: A Test of Routine Activity Theory," presented at the 2005 Academy of Criminal Justice Sciences meeting, Chicago, IL.
- Groff, E.R. and T. McEwen. "A Regional Model of Homicide Trips," presented at the 2005 Mapping and Analysis for Public Safety Conference, Savannah, GA.
- Weisburd, D., E.R. Groff, and N.A. Morris. "Examining Spatio-Temporal Patterns of Juvenile Crime at Places Using Trajectory Analysis and GIS," presented at the 2005 Research and Evaluation Conference, Washington, DC.
- Brantingham, P. and E.R. Groff. "The Future of Agent-Based Modeling in Environmental Criminology," presented at the 2004 American Society of Criminology meeting, Nashville, TN.
- Groff, E.R. and T. McEwen. "Homicide Mobility Triangles: A New Look at an Old Technique," presented at the 2004 American Society of Criminology meeting, Nashville, TN.
- Groff, E.R. and T. McEwen. "Disaggregating the Journey to Homicide," presented at the 2004 ESRI User Conference, San Diego, CA.
- Beatty, P., Couture, H., Fogg, H., Groff, E.R., Kearley, B. and Wartell, J. "Do Maps Increase Fear of Crime," presented at the 2004 Mapping and Analysis for Public Safety Conference, Boston, MA.
- Groff, E.R. and T. McEwen. "Disaggregating the Journey to Homicide: Preliminary Findings," presented at the 2004 Association of American Geographers meeting, Philadelphia, PA.
- Groff, E.R. "If You Build It, Will They Come: Washington, DC's Experience with Enterprise GIS," presented at the 2003 ESRI User Conference, San Diego, CA.
- Groff, E.R. "SMART Mapping: GIS in a Law Enforcement Agency," presented at the 2003 Community-Oriented Policing Services (COPS) Conference, Washington, DC.
- Groff, E. R. and T. McEwen. "Modeling the Spatial Dynamics of Homicide," presented at the 2002 Mapping and Analysis for Public Safety conference, Denver, CO.
- Groff, E.R. "Spatially Enabling Your Research: An Informational Brownbag," presented at the 2000 American Society of Criminology, San Francisco, CA.
- Groff, E.R. "Impacting U.S. Local Criminal Justice Policy from the National Level," presented at the Association for Geographic Information 2000 Meeting, London, England.
- Groff, E.R. "Fostering Spatial Analysis in Criminal Justice Agencies: The Research Center Model," presented at the Association for Geographic Information GIS 2000, Crime and Disorder Special Interest Group Meeting, London, England.
- Groff, E.R. "Mapping to Support Your Reentry Partnership Initiative" presented at the 2000 Reentry Cluster Meeting, Las Vegas, NV.

PRESENTATIONS (CONT)

- Groff, E.R. "Implementing GIS in a Law Enforcement Organization," workshop at the 2000 Crime Mapping Research Conference, Orlando, FL.
- Groff, E.R. "A Spatial Analysis of Elevated Blood Lead Levels in Children," presented at the 2000 Office of Justice Programs Research and Evaluation Conference, Washington, DC.
- Groff, E.R., and J. Fleury. "Strategic Approaches to Community Safety Initiative (SACSI): A Project Overview," presented at the 2000 Urban and Regional Information Systems Association Conference, Orlando, FL.
- Groff, E.R. "The Role of Geographic Information Systems in Combating School Violence and Drug Abuse," presented at the 1999 Complutense International Seminar, Madrid, Spain.
- Groff, E.R. "Crime Mapping and CPTED," presented at the 1999 International CPTED Association Conference, Mississauga, Ontario, Canada.
- Groff, E.R. "Strategic Approaches to Community Safety Initiative: A Project Overview" presented at the 1999 Urban and Regional Information Systems Association Annual Conference, Chicago, IL.
- Groff, E.R. "Crime Mapping as a Tool in Informing Weed and Seed Areas about Crime," presented at the 1999 Weed and Seed Annual Conference, Fort Worth, TX.
- Groff, E.R. "SACSI: Lessons Learned From an Information System Implementation," presented at the 1999 Annual Conference on Criminal Justice Research and Evaluation, Washington, DC.
- Groff, E.R. "Strategic Approaches to Community Safety Initiative Winston-Salem, NC: Using GIS to Support Community Safety," presented at the 1999 Environmental Systems Research Institute User Conference, San Diego, CA.
- Groff, E.R. "Mapping an Opportunity Surface of Residential Burglary," presented at the 1999 International Environmental Criminology Conference, Pretoria, South Africa.
- Groff, E.R. "Using GIS in Law Enforcement: An Overview," presented at the 1999 Pennsylvania GIS Conference. Harrisburg, PA.
- Groff, E.R. "Crime Mapping: Resources and Applications," presented at the Technology Information Exchange Meeting between the DC Metro Police Department and NIJ/OS&T. Washington, DC, 1999.
- Groff, E.R. "Mapping for Strategic Criminal Justice Planning," presented at the 1999 American Probation and Parole Association, Winter Training Institute, Phoenix, AZ.
- Groff, E.R., N.G. La Vigne and C. A. Mamalian. "Homicide in Eight U.S. Cities: A Spatial and Temporal Analysis," presented at the 1998 American Society of Criminology, Washington, DC.
- Groff, E.R. and Thomas, D. "Characterizing Crime 'Within a Distance of': A Comparison of Radius vs. Street Distance," presented at the 1998 ESRI Mid-Atlantic Users Group Meeting, Philadelphia, PA.

PRESENTATIONS (CONT)

Groff, E.R. "Career Options for GIS in Law Enforcement," presented at the Criminal Justice Department, Northern Michigan University, Marquette, MI, 1997.

Groff, E.R., M. Dyer and M.J. Fraley. "The Role of GIS in Law Enforcement Workshop," presented at the 1997 International Association of Chiefs of Police, Orlando, FL.

Groff, E.R. "Geographic Information Systems for Community Policing," presented at the 1997 Urban and Regional Information Systems, Toronto, Canada.

Groff, E.R. "Using GIS to Facilitate Community Safety Programs," presented at the 1996 Enterprise Foundation Conference, Miami, FL.

Groff, E.R. "An Address Level Analysis of Crime Patterns in the Grier Heights Neighborhood," presented at the 1996 Southern Criminal Justice Association Meeting, Savannah, GA.

Groff, E.R. "Use of Force in the Charlotte-Mecklenburg Police Department," presented at the 1996 Southern Criminal Justice Association Meeting, Savannah, GA.

Groff, E.R. "The Child Protection Ordinance in Charlotte, NC: A Preliminary Geographic Perspective," presented at the 1995 Southern Criminal Justice Association Meeting, Gatlinburg, TN.

Groff, E.R. "Neighborhoods At Risk: A Model for Predicting Neighborhood Crime Levels," presented at the 1994 Southeastern Division of the Association of American Geographers, Louisville, KY.

INVITED PARTICIPANT: ON-LINE DISCUSSIONS

ESRI Spatial Roundtable. May 2010. The Case for Place in Twenty-first Century Policing. <http://www.spatialroundtable.com/post.cfm?entry=the-case-for-place-in-twenty-first-century-policing>

EXTERNAL FUNDING

CO-PRINCIPAL INVESTIGATOR (with Jerry Ratcliffe). "*Can video surveillance reduce crime? Quantifying the size and geographic extent of CCTV's impact.*" Funded by the National Institute of Justice for the amount of \$486,161 (January 1, 2010 to December 31, 2011).

CO-PRINCIPAL INVESTIGATOR (with Ralph Taylor (PI) and David Elesh (Co-PI)). "*Forecasting Municipality Crime Counts within a Metropolitan Area.*" Funded by the National Institute of Justice for the amount of \$ 497,000 (January 1, 2010 to December 31, 2011).

CO-PRINCIPAL INVESTIGATOR (with Jerry Ratcliffe). "*Building Evidence about Police Violent Crime Reduction Efforts.*" Funded by the Bureau of Justice Assistance for the amount of \$500,000, Temple component \$348,503 (May 1, 2010 to April 20, 2011).

EXTERNAL FUNDING (CONT.)

CO-PRINCIPAL INVESTIGATOR (with David Weisburd and Greg Jones)

"Smart Police Deployment: Evaluating the Use of Automated Vehicle Locator Technologies in Policing."

Funded by the National Institute of Justice #2007-IJ-CX-K153 for the amount of \$235,421, Temple component \$103,055 (November 1, 2007 to October 31, 2010).

CO-PRINCIPAL INVESTIGATOR (with David Weisburd)

"Explaining Developmental Crime Trajectories at Places: A Study of 'Crime Waves' and 'Crime Drops' at Micro Units of Geography."

Funded by the National Institute of Justice #2005-IJ-CX-0006 for the amount of \$271,882 (Aug 1, 2005 to March 31, 2010).

PRINCIPAL INVESTIGATOR

"Modeling the Dynamics of Street Robbery to Inform Policy and Prevention."

Funded by the National Institute of Justice grant # 2005-IJ-CX-0015 for the amount of \$141,163 (June 1, 2005 to September 31, 2008).

PROJECT DIRECTOR (Principal Investigator, David Weisburd)

"Exploring the Impact of Micro Level Crime Patterns on Macro Level Crime Trends."

Subcontract to the University of Pennsylvania grant entitled "Understanding and Monitoring the "Whys" Behind Juvenile Crime Trends" for the amount of \$148,027 (Principal Investigator on primary grant – Jeff Roth, funded by Office of Juvenile Justice and Delinquency Prevention #2001-JN-FX-K001) (January 2003 to December 2006).

CO-PRINCIPAL INVESTIGATOR (with Tom McEwen)

"Distance to Crime: Analyzing and Mapping Violent Crime."

National Institute of Justice grant #2003-IJ-CX-0150 for the amount of \$100,487 (September 2003 to December 2006).

ANALYST (Principal Investigator, Tom McEwen)

"Evaluation of the COPS MORE Program."

Funded by the Community Oriented Policing Services Office grant #2003-CK-WX-K039 for the amount of \$199,853 (September 2003 to December 2007).

INTERNAL FUNDING

PRINCIPAL INVESTIGATOR

"Philadelphia Footbeat Experiment: Examining the Dosage of Police Presence."

Funded by Temple University – College of Liberal Arts Research Award (CLARA) for the amount of \$5,000 (June 1, 2009 to May 30, 2010).

PRINCIPAL INVESTIGATOR

"Philadelphia Parks Survey". Rotberg Award to fund undergraduate research (Center for the Humanities at Temple) for the amount of \$1,500. (January 2008 – August 2008).

TEACHING EXPERIENCE

INTRODUCTION TO SIMULATION MODELING

Temple University
Department of Criminal Justice

INTRODUCTION TO ENVIRONMENTAL CRIMINOLOGY

Temple University
Department of Criminal Justice

COMMUNITIES AND CRIME PREVENTION

Temple University
Department of Criminal Justice

INTRODUCTION TO DESKTOP MAPPING

University of North Carolina at Charlotte
Department of Geography

NEIGHBORHOODS AND CRIME

University of North Carolina at Charlotte (team taught)
Department of Criminal Justice

RELEVANT COMPUTER SKILLS

Geographic Information Systems software:

ArcInfo 9.x, Arcview 9.x and the Agent Analyst, Network Analyst, and Spatial Analyst extensions, Arcview 3.x, elementary knowledge of MapInfo and Maptitude

Statistical software:

Statistical Program for the Social Sciences (SPSS), SPlus, STATA and R

Spatial statistics software:

SPlus Spatial Module, spatial libraries in R, GeoDa (SpaceStat), SATScan, CrimeStat, ArcGIS 9.3 (Spatial Statistics, Spatial Analyst, Network Analyst and Geostatistical Analyst)

Programming languages:

Java, Python, Not Quite Python (NQPY), ArcObjects (geoprocessing object)

PROFESSIONAL AFFILIATIONS

Academy of Experimental Criminology (AEC)
Association of American Geographers (AAG)
American Society of Criminology (ASC)
Sigma Xi
Homicide Research Working Group (HRWG)

PROFESSIONAL SERVICE

Member:

Crime and Place Working Group, Center for Evidence-Based Crime Policy,
George Mason University 2008 - present
National Institute of Justice, Office of Science and Technology -- Geospatial
Technologies Technical Working Group, 2005 - present

Advisory Board Member:

Evaluation Review, 2008 – present
Police Foundation’s Crime Mapping Laboratory, 2007 – present
Journal of Research in Crime and Delinquency, 2010 - present

Editor:

Co-Editor of Journal of Research on Crime and Delinquency, Special Issue,
“Crime and Place”, Volume 5, Issue 47, 2010.

Co-Editor of Journal of Experimental Criminology, Special Issue, “Simulated
Experiments in Criminology and Criminal Justice”, Issue 3, 2008.

Co-Editor of Western Criminology Review issue on “Environmental Criminology
and Crime Analysis”, Volume 5, No. 3, November 2004.

Article Reviewer:

Critical Criminology, Criminology, Environment and Planning B, International
Journal of Police Science and Management, Journal of Crime and Justice, Journal
of Quantitative Criminology, Journal of Experimental Criminology, Policing,
Proceedings of the National Academy of Sciences, Professional Geographer,
Security Journal, and Transactions in GIS.

Proposal Reviewer:

National Science Foundation, Office of Community-Oriented Policing Services,
National Institute of Justice, and Robert Wood Johnson Foundation.