

# Elizabeth R. Groff

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Temple University

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## **EDUCATION, UNDERGRADUATE AND GRADUATE**

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**University of Maryland**, College Park, MD, 2000-2006

**PhD** Geography, August 2006

**MA** Criminology and Criminal Justice 2005

**University of North Carolina at Charlotte**, Charlotte, NC, 1990 - 1994

Summa cum laude

**MA** Geography 1994

**BS** Geography 1992

## **DOCTORAL DISSERTATION**

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Dissertation Title: "Exploring the Geography of Routine Activity Theory: A Spatio-temporal Model Using Street Robbery", August 2006, Ralph Dubayah-Chair, David Weisburd-Co-chair.

## **POSITIONS HELD**

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- 2018 - present    Professor, Criminal Justice Department, TEMPLE UNIVERSITY, Philadelphia, PA  
Secondary appointment, Department of Geography and Urban Studies
- 2012 - 2018    Associate Professor, Criminal Justice Department, TEMPLE UNIVERSITY, Philadelphia, PA  
Secondary appointment, Department of Geography and Urban Studies
- 2007 - 2012    Assistant Professor, Criminal Justice Department, TEMPLE UNIVERSITY, Philadelphia, PA  
Secondary appointment, Geography and Urban Studies Department

- 2002 - 2007 Senior Research Associate, INSTITUTE FOR LAW AND JUSTICE, Alexandria, VA
- 2001 – 2002 Director, NATIONAL INSTITUTE OF JUSTICE, Crime Mapping Research Center, Washington, DC
- 1998 - 2001 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

#### **BOOKS PUBLISHED OR IN PRESS**

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- In press Groff, E.R. and C. Haberman (editors). The Study of Crime and Place: A Methods Handbook. Temple University Press: Philadelphia.
- 2016 Weisburd, D., Eck, J., Braga, A., Telep, C., Cave, B., Bowers, K., Bruinsma, G., Gill, C, Groff, E.R., Hinkle, J., Hibdon, J., Johnson, S., Lawton, B., Lum, C., Ratcliffe, J. Rengert, G., Taniguchi, T., and Yang, S-M. Place matters: Criminology for the 21st century. Cambridge University Press: New York.
- 2012 Weisburd, D., Groff, E.R. and S.M. Yang. The Criminology of Place: Street Segments and Our Understanding of the Crime Problem. Oxford University Press. London.
- 2011 Rengert, G. and E.R. Groff. Residential Burglary: How the Urban Environment and Our Lifestyles Play a Contributing Role. Charles C. Thomas.

#### **ARTICLES PUBLISHED OR IN PRESS<sup>1</sup>**

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- 2021 Groff, E. R., Ward, J. and J. Wartell. Tracing the Effects of Reducing Penalties on Crime and Prosecution. **Journal of Criminal Justice**. Vol 75, . Accepted June 17, 2021, in print August 6, 2021. DOI: 10.1016/j.jcrimjus.2021.101831

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<sup>1</sup> From 2013 to present, impact factors for year closest to publication year appear in brackets.

\*Indicates publication with a graduate student.

- 10.1016/j.jcrimjus.2021.101831. [3.366]
- 2020 Groff, E. R., Haberman, C. and J. Wood. The Effects of Body Worn Cameras on Police-citizen Encounters and Police Activity: Evaluation of a pilot implementation in Philadelphia, PA. **Journal of Experimental Criminology**. 16(4), 463-480. Published on-line, November 9, 2019, in print November 28, 2020. DOI: 10.1007/s11292-019-09383-0. [3.459]
- 2019 Groff, E.R. and T. Taniguchi. Quantifying Crime Prevention Potential of Near Repeat Burglary. **Police Quarterly** 22(3), 330-359. Published on-line February 14, 2019, in print September 2019. DOI: 10.1177/1098611119828052. [3.368]
- 2019 Taylor, R, Haberman, C. and E.R. Groff. Urban park crime: Neighborhood context and park features. **Journal of Criminal Justice**. 64, 13-22. on-line July 13,2019, in print September 12, 2019. DOI: 10.1016/j.jcrimjus.2019.101622. [3.974]
- 2019 Wood, J. and E.R. Groff. Re-imagining Guardians and Guardianship with the Advent of Body Worn Cameras. **Criminal Justice Review**. 44(1), 60-75. Published on-line December 3, 2018, in print January 2019. DOI: 10.1177/0734016818814895.
- 2019 Groff, E.R. and T. Taniguchi. Using citizen notification to interrupt near repeat residential burglary patterns: The micro-level near repeat experiment. **Journal of Experimental Criminology**. 15(2), 115-149. Published on-line January 28, 2019, print June 23, 2019. DOI: 10.1007/s11292-018-09350-1. [2.818]
- 2019 Ratcliffe, J. and E.R. Groff. Crime reduction benefits of CCTV cameras deployed in violent crime hot spots. **Criminal Justice Review**. 44(2). 148-164. Published on-line October 30, 2018, in print June 2019. DOI: 10.1177/0734016818811917.
- 2019 Groff, E. R., Johnson, S. and A, Thornton. State of the Art in Agent-Based Modeling of Urban Crime: Overview, Critical Questions and Next Steps. **Journal of Quantitative Criminology**. Vol.35(1), 155-193. Published on-line February 23, 2018, in print March 2019. DOI: 10.1007/s10940-018-9376-y. Open Access <http://link.springer.com/article/10.1007/s10940-018-9376-y>. [4.316]
- 2018 Perenzin, A., Taylor, R., Groff, E.R. and A. Fingerhut. Fast Food Restaurants

- and Convenience Stores: Using Sales Volume to Explain Crime Patterns in Seattle. **Crime and Delinquency**\*. 64(14), 1836-1857. Published on-line June 23, 2017, in print December 2018. DOI: 10.1177/0011128717714792. [1.861]
- 2017 Sorg, E.T., Wood, J.D., Groff, E.R. and J.H. Ratcliffe. Explaining dosage diffusion during hot spot patrols: An application of optimal foraging theory to police officer behavior. **Justice Quarterly**. 34(6), 1044-1068. DOI: 10.1080/07418825.2016.1244286. [2.456]
- 2017 Hibdon, J., Telep, C.T. and E.R. Groff. The Concentration and Stability of Drug Activity in Seattle, Washington Using Police and Emergency Medical Services Data. **Journal of Quantitative Criminology**. 33 (3), pp 497–517. [4.316]
- 2017 Weisburd, D., Braga, Anthony A., Groff, E.R. and A. Wooditch. Can Hot Spots Policing Reduce Crime in Urban Areas? An Agent-Based Simulation. **Criminology**. 55 (1), 137-173. DOI: 10.1111/1745-9125.12131. [4.778]
- 2016 Tower, S.M. and E.R. Groff. Examining the Disorder-crime Connection in Philadelphia Parks. **Security Journal**. 9(3), 520-537. Published in hard copy 7/2016. Published on-line February 24, 2014 as DOI 10.1057/sj.2014.1. [0.455]\*
- 2016 Haberman, C., Groff, E.R., Ratcliffe, J.R. and E. Sorg. Satisfaction with Police in Violent Crime Hot Spots: Using Community Surveys as a Guide for Selecting Hot Spot Policing Tactics. **Crime and Delinquency**. 62(4), 525-557. Published in hard copy 04/2016. DOI: 10.1177/0011128713516840. [1.508]\*
- 2015 Lockwood, B.L., Groff, E.R., Rengert, G.F. and Grunwald, H.E. The Relationship between Social Distance and Treatment Attrition for Juvenile Offenders. **Journal of Urban Affairs**. 37(4), 462-477. Published in hard copy 10/2015. DOI: 10.1111/juaf.12154. [1.298]\*
- 2015 Weisburd, D., Groff, E., Jones, G., Cave, B., Amendola, K., Yang, S. and R. Emison. The Dallas Patrol Management Experiment: Can AVL Technologies be used to Harness Unallocated Patrol Time for Crime Prevention? **Journal of Experimental Criminology**. 11(3), 367-391. DOI :10.1007/s11292-015-9234-y [1.810]
- 2015 Ratcliffe, J.R., Groff, E.R., Sorg, E. and C. Haberman. Citizens' Reactions to Hot

- Spots Policing: Experimental Impacts on Perceptions of Crime, Disorder, Fear and Police. **Journal of Experimental Criminology**. 11(3), 393-417. DOI: 10.1007/s11292-015-9230-2. [1.810]\*
- 2015 Kounadi, R., Lampoltshammer, T., Groff, E.R., Sitko, I. and Leitner, M. Exploring Twitter to Analyze the Public's Reaction Patterns to Recently Reported Homicides in London. **PLOS ONE**. Published on-line March 27, 2015 as DOI: 10.1371/journal.pone.0121848. [3.534]\*
- 2015 Wood, J., Taylor, C., Groff, E.R. and J.R. Ratcliffe. Aligning policing and public health promotion: Insights from the world of foot patrol. **Police Practice and Research: An International Journal**. 16(3), 211-223. Published online: October 14, 2013. <http://dx.doi.org/10.1080/15614263.2013.846982>. [0.00]\*
- 2015 Groff, E.R., Ratcliffe, J.R., Haberman, C., Sorg, E., Joyce, N., and R. Taylor. Does What Police Do at Hot Spots Matter?: The Philadelphia Policing Tactics Experiment. **Criminology** 53(1), 23-53. Published online: December 10, 2014. DOI: 10.1111/1745-9125.12055. [3.06]\*
- 2015 Johnson, L., Taylor R., and E.R. Groff. Metropolitan Local Crime Clusters: Structural Concentration Effects and the Systemic Model. **Journal of Criminal Justice**. 43(3), 186-194. [2.378]\*
- 2015 Groff, E.R. Informal Social Control and Crime Events. **Journal of Contemporary Criminal Justice**. Published on-line first on October 13, 2014. DOI: 10.1177/1043986214552619. 31: 90-106. [0.470]
- 2014 Groff, E.R. Quantifying the Exposure of Street Segments to Drinking Places Nearby. **Journal of Quantitative Criminology**. 30(3):527-548. Published on-line December 17, 2013 as DOI 10.1007/s10940-013-9213-2. [1.660]
- 2014 Wood, J., Sorg, E., Groff, E.R., Ratcliffe, J. and C. Taylor. Cops as Treatment Providers: Realities and Ironies of Police Work in a Foot Patrol Experiment. **Policing and Society**. 24(3): 362-379. Published on-line April 15, 2013. [0.444].\*
- 2014 Sorg, E.T., Wood, J.D., Groff, E.R. and J.H. Ratcliffe. Boundary Adherence during Place-based Policing Evaluations: A Research Note. **Journal of Research in Crime and Delinquency**. 51: 377-393. Published on-line February 20, 2014 as DOI 10.1177/0022427814523789. [2.220].\*

- 2014 Weisburd, D., Groff, E.R., and S-M Yang. Understanding and Controlling Hot Spots of Crime: The Importance of Formal and Informal Social Controls. **Prevention Science**. 15(1):31-43. Published on-line February 23, 2013. [2.827].
- 2014 Johnson, S. and E.R. Groff. Strengthening Theoretical Testing in Criminology Using Agent-based Modeling. **Journal of Research in Crime and Delinquency**. 51(4): 508-524. Published online May 26, 2014 as DOI 10.1177/0022427814531490. [2.220].\*
- 2014 Hibdon, J. and E.R. Groff. What You Find Depends on Where You Look: Using Emergency Medical Services Call Data to Target Illicit Drug Use Hot Spots. **Journal of Contemporary Criminal Justice** 30(2): 169-185. Published online March 28, 2014 as DOI 10.1177/1043986214525077. (VOR – May 2014). [0.470].
- 2014 Groff, E.R. and B.L. Lockwood. Criminogenic Facilities and Crime across Street Segments in Philadelphia: Uncovering Evidence about the Spatial Extent of Facility Influence. **Journal of Research in Crime and Delinquency** 51(3): 277-314. DOI 0022427813512494. [2.220].
- 2014 Groff, E.R., Taylor R., Elesh D., McGovern, J., and L. Johnson. Permeability across a Metropolitan Area: Conceptualizing and Operationalizing a Macro Level Crime Pattern Theory. **Environment and Planning A** 46(1):129-152. [1.89].\*
- 2013 Haberman, C.P, Groff, E.R. and R.B Taylor. The Variable Impacts of Public Housing Community Proximity on Nearby Street Robberies. **Journal of Research on Crime and Delinquency** 50(2): 163-188. Published on-line November 8, 2011. [2.220].\*
- 2013 Sorg, E., Haberman, C., Ratcliffe, J. and E.R. Groff. Foot Patrol in Violent Crime Hot Spots: The Longitudinal Impact of Deterrence and Post-Treatment Effects of Displacement. **Criminology** 51(1): 65-101. Published on-line December 19, 2012. [3.268].\*
- 2013 Groff, E.R., Johnson, L., Ratcliffe, J.R. and J. Wood. Exploring the Relationship between Foot and Car-based Patrol in Violent Crime Areas. **Policing: An International Journal of Police Strategies & Management**. 36(1) Pp. 119-139. [0.534].\*
- 2012 Groff, E. R. and E. McCord. The Role of Neighborhood Parks as Crime

- Generators. **Security Journal**. 25: 1-24. Published on-line March 7, 2011.\*
- 2011 Ratcliffe, J., Taniguchi, T., Groff, E.R. and J. Wood. The Philadelphia Foot Patrol Experiment: A Randomized Controlled Trial of Police Effectiveness in Violent Crime Hotspots. **Criminology**. 49(3):795-831.\*
- 2011 Groff, E. R. Exploring 'Near': Characterizing the Spatial Extent of Drinking Place Influence on Crime. **Australian and New Zealand Journal of Criminology**. 44(2) 156–179.
- 2010 Groff, E.R., Weisburd, D. and Yang, S-M. 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(1):7-32.
- 2009 Weisburd, D., N. Morris and E.R. Groff. Hot Spots of Juvenile Crime: A Longitudinal Study of Street Segments in Seattle, Washington. **Journal of Quantitative Criminology**, 25(4):443-467.
- 2008 Groff, E. R. and Birks, D. Simulating Crime Prevention Strategies: A Look at the Possibilities. **Policing: A Journal of Policy and Practice**, 2(2), 175-184.
- 2008 Groff, E. R. Adding the Temporal and Spatial Aspects of Routine Activities: A Further Test of Routine Activity Theory. **Security Journal**, 21(1-2): 95-116.
- 2007 Groff, E. R. 'Situating' Simulation to Model Human Spatio-Temporal Interactions: An Example Using Crime Events. **Transactions in GIS**, 11(4):507-530.
- 2007 Groff, E. R. Simulation for Theory Testing and Experimentation: An Example Using Routine Activity Theory and Street Robbery. **Journal of Quantitative Criminology**, 23:75-103.
- 2007 Groff, E. R. and T. McEwen. Integrating Distance into Mobility Triangle Typologies." **Social Science Computer Review**, 25:210-238.
- 2005 Groff, E.R., B. Kearley, P. Beatty, H. Fogg, H. Couture, and J. Wartell. "A Randomized Experimental Study of Sharing Crime Data with Citizens: Do Maps Produce More Fear?" **Journal of Experimental Criminology**, 1:87-115.
- 2004 Beckman, K., L. Wyckoff, E.R. Groff, and P. Beatty. "Trends in Police Research: A Cross-sectional Analysis of the 2001 Literature," **Police Practice**

**and Research**, 5 (2): 165-189.

- 2001 Groff, E.R. and N.G. La Vigne. "Mapping an Opportunity Surface of Residential Burglary," **Journal of Research in Crime and Delinquency**, 38 (3):257-278.

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**CHAPTERS IN EDITED VOLUMES, TEXT, AND HANDBOOKS PUBLISHED OR IN PRESS**

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- 2020 Groff, E.R. and J. Badham. Examining guardianship against theft. Gerritsen & Elffers (Eds). Agent Based Modelling for Criminological Theory Testing and Development. Taylor and Francis. Pp. 71-103. Published November 30, 2020. DOI: <https://doi.org/10.4324/9780429277177> .
- 2018 Groff, E.R. Do we really need collective social process to understand why crime occurs and offenders commit crime? Bruinsma and Johnson (Eds). Handbook of Environmental Criminology. Pp. 105-118. Oxford University Press. Accepted August 2016. Published online: 01/2018. Print publication: 3/2018. DOI: 10.1093/oxfordhb/9780190279707.013.4.
- 2015 Groff, E.R. Practitioner to Academic: An Interdisciplinary View from both Sides of the Looking Glass. Maltz, M. and s. Rice (eds) Envisioning Criminology: A Handbook of Emerging Research Strategies for Studying Crime and Justice. Pp. 227-232. Springer.
- 2015 Rengert, G.F., Lockwood, B.L. and E.R. Groff. Burglary in a Segregated City: Race of Offenders and Community of Offending. Andresen, M. and G. Farrell (eds) The Criminal Act: The Role and Influence of Routine Activity Theory. Pp. 214-239. Palgrave.\*
- 2013 Groff, E.R. Measuring a Place's Exposure to Facilities Using Geoprocessing Models: An Illustration Using Drinking Places and Crime. In Leitner, M. (ed). Crime Modeling and Mapping Using Geospatial Technologies. Pp. 269-295. Springer.
- 2013 Groff, E.R. and M.J. Fraley. Moving Agents on Representative Networks. In K. Johnston (ed), Agent Analyst: Agent-Based Modeling in ArcGIS. Pp. 203-238. ESRI Press: Redlands, CA. <http://resources.arcgis.com/en/help/agent-analyst/>.
- 2013 Groff, E.R. and M.J. Fraley. Adding Complexity to Agent Movement on Representative Networks. In K. Johnston, et al (ed), Agent Analyst: Agent-



Based Modeling in ArcGIS. ESRI Press: Redlands, CA. Pp. 359-410.  
<http://resources.arcgis.com/en/help/agent-analyst/>.

- 2008 Groff, E. R., D. Weisburd and N. Morris. 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. Pp. 61-86. Springer-Verlag.
- 2008 Groff, E. R. 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.
- 2008 Groff, E.R. 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.
- 2005 Groff, E.R., and T. McEwen. "Disaggregating the Journey to Homicide." In F. Wang (ed.), Geographic Information Systems and Crime Analysis (pp.60-83). Idea Group: Hershey, PA.
- 2002 Groff, E.R., and N.G. LaVigne. "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.
- 2002 La Vigne, N.G. and E.R. Groff. "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 WORKS PUBLISHED OR IN PRESS:**

**Encyclopedia Entries**

- 2014 Groff, E.R. Agent-based Modeling for Understanding Space-time Patterns of Crime. In H. Bruinsma and D. Weisburd (eds), Encyclopedia of Criminology and Criminal Justice. Springer: New York, NY.
- 2014 Yang, S-M, Weisburd, D. and E.R. Groff. Criminal Career of Places. In H. Bruinsma and D. Weisburd (eds), Encyclopedia of Criminology and Criminal Justice. Springer: New York, NY.
- 2014 Weisburd, D., E.R. Groff, Yang, S-M, and C. Telep. Criminology of Place:

Places and our Understanding of the Crime Problem. In H. Bruinsma and D. Weisburd (eds), Encyclopedia of Criminology and Criminal Justice. Springer: New York, NY.

2010 Groff, E.R. "Adolphe Quételet." In F. Cullen and P. Wilcox (eds), Encyclopedia of Criminological Theory (Vol. 2, pp. 749-753). Sage: Thousand Oaks, CA. 2010.

### **Other**

2017 Groff, E.R. Measuring the Influence of the Built Environment on Crime at Street Segments, **Jerusalem Review of Legal Studies**, Volume 15, Issue 1, (July 2017): 44–54.

2017 Weisburd, D., Groff, E.R., and S-M Yang. The Criminology of Place: Key Contributions and Commentary, **Jerusalem Review of Legal Studies**, Volume 15, Issue 1, (July 2017): 61–76.

2016 Groff, E.R. and T. Taniguchi, Employing Near-Repeat Patterns for Community-Driven Crime Prevention, **The Police Chief**. 83 (August 2016): 54–60.

2014 Weisburd, D., Groff, E.R., and S-M Yang. The Importance of Both Opportunity and Social Disorganization Theory in a Future Research Agenda to Advance Criminological Theory and Crime Prevention at Places. **Journal of Research in Crime and Delinquency**. 51(4): (June 2014) (Response essay). [2.220].

2013 McEwen, T. and E.R. Groff. Performance Measures for Information Technologies. **Criminologist**, 38 (2): 1 - 6.  
[http://www.asc41.com/Criminologist/2013/2013\\_Mar-Apr\\_Criminologist.pdf](http://www.asc41.com/Criminologist/2013/2013_Mar-Apr_Criminologist.pdf).

2011 Weisburd, D., Groff, E.R. and N. Morris. Hot spots of Juvenile Crime: Findings from Seattle. **Juvenile Justice Bulletin**. Office of Juvenile Justice and Delinquency Prevention. October 2011.

2008 Groff, E.R. and L. Mazzerole. Simulated Experiments and their Potential Role in Criminology and Criminal Justice. **Journal of Experimental Criminology**, 4(3).

2006 Groff, E.R. "Analysis in Practice: Spacing Out Crime." **Police Professional Magazine**, 63: 33-35.

- 1999 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.
- 1998 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>.
- 1997 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.

#### **PUBLISHED RESEARCH REPORTS**

---

- 2018 Groff E.R., Ward, J.T., and Wartell, J. The Role of Body-Worn Camera Footage in the Decision to File. Final Report submitted 12/31/2018. Laura and John Arnold Foundation.
- 2018 Bozanich, D., Groff E.R., Ward, J.T., and Wartell, J. Using Body Worn Camera Evidence during the Filing Decision. Practitioner report submitted 12/31/2018. Laura and John Arnold Foundation.
- 2018 Groff E.R. and T. Taniguchi. Micro-Level Policing for Preventing Near Repeat Residential Burglary. Final Report submitted 6/30/2018. Office of Justice Programs, National Institute of Justice.
- 2016 Groff E.R., Wartell, J., and J.T. Ward. Evaluating the effects of Prop 47 in the City of Los Angeles one year after implementation. Final Report submitted 7/27/2016. Bureau of Justice Assistance National Training and Technical Assistance Center.
- 2014 Taylor, R.B., Groff E.R., Elesh, D., and L. Johnson. Municipal Crime Patterns and Shifts across a Complex Metropolitan Community. Final Report submitted 11/14/2014. Office of Justice Programs, National Institute of

Justice.

- 2014 Ratcliffe, J., Groff E.R., Haberman, C. and Sorg, E. Smart Policing Initiative Final Report. Final Report. Washington, DC: Bureau of Justice Assistance.
- 2012 Weisburd, D., Groff E.R., Jones, G., Amendola, K. L. & B. Cave. The Dallas AVL Experiment: Evaluating the Use of Automated Vehicle Locator Technologies in Policing. Final Report. Office of Justice Programs, National Institute of Justice.
- 2010 Weisburd, D., Groff E.R. & Yang, S.-M. Understanding Developmental Crime Trajectories at Places: Social Disorganization and Opportunity Perspectives at Micro Units of Geography. Final Report. Office of Justice Programs, National Institute of Justice.
- 2009 Weisburd, D., Groff E.R. and N. Morris. Hot Spots of Juvenile Crime: Some Preliminary Findings. Final Report. Washington, DC. Office of Juvenile Justice and Delinquency Prevention.
- 2008 Groff, E.R. Modeling the Dynamics of Street Robberies. Final Report. Washington, DC: National Institute of Justice.
- 2008 Groff, E.R. and T. McEwen. Identifying and Measuring the Effects of Information Technologies on Law Enforcement Agencies: The Making Officer Redeployment Effective Program, A Guide for Law Enforcement. Final Report. Washington, DC: COPS Office.
- 2005 Groff, E.R. and T. McEwen. Exploring the Spatial Configuration of Places Related to Homicide Events. Final Report. Washington, DC: National Institute of Justice.
- 2005 Groff, E.R. and T. McEwen. Visualization of Spatial Relationships in Mobility Research: A Primer. Final Report. Washington DC: Office of Justice Programs; National Institute of Justice.
- 2000 Groff, E.R. with J.K. Fleury and D. Stoe. 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>. 2000.
- 1999 Mamalian, C.A., N.G La Vigne, and staff of the Crime Mapping Research Center. The Use of Computerized Crime Mapping by Law Enforcement:

Survey Results. National Institute of Justice: Washington, DC.

## PAPERS PRESENTED AT PROFESSIONAL MEETINGS

<sup>1</sup>Presenter

Groff, E. R. "Challenges to Prosecutors' Use of Police Body Worn Camera Footage", 2019 American Society of Criminology meeting in San Francisco, CA. International.

Groff, E. R.<sup>1</sup>, Ward J. and J. Wartell. "Challenges to Prosecutors' Use of Police Body Worn Camera Footage", 2019 American Society of Criminology meeting in San Francisco, CA. International.

Groff, E. R.<sup>1</sup>, Haberman C. and M. Fraley. "Eyes on the street and Crime Revisited: Investigating the Role of Residents Versus Nonresidents", presented at the 2019 Esri User Conference, San Diego, CA. International.

Groff, E.R.<sup>1</sup> and D. Bozanich.<sup>1</sup> "Evaluating body worn video from the prosecutor's side", presented at the 2019 Axon Accelerate Conference, Phoenix, AZ. International.

Groff, E. R., Ward J. and J. Wartell. "Body Worn Camera Footage and the Prosecutor's Decision to File", presented at the 2019 American Criminal Justice Society Annual Meeting, Baltimore, MD. International.

Bozanich, D. <sup>1</sup> and Groff, E.R.<sup>1</sup> "Body Worn Camera Footage and the Prosecutor's Decision to File", presented at the 2018 Association of Prosecuting Attorney's Major Counties Prosecutor Council Meeting, Milwaukee, WI. National.

Groff, E.R.<sup>1</sup> and T. Taniguchi. "Understanding the crime prevention potential of focusing on near repeat crime", presented at the 2018 Problem-oriented Policing conference, Providence, RI. International.

Groff, E.R.<sup>1</sup> and T. Taniguchi. "Hands-On Instructions for the Near Repeat Crime Prevention Potential Calculator," presented at the 2018 International Association of Crime Analysts meeting. Newport Beach, CA. International.

Groff, E.R.<sup>1</sup> and T. Taniguchi. "Near repeat burglary: Estimating crime prevention potential," presented at the 2018 Environmental Criminology and Crime Analysis Conference, Elche, Spain. International.

Groff, E.R. "Microspatial patterns of illicit drug use", presented at the 2018 Association for the Advancement of Science meeting, Austin, TX. International.

Groff, E.R.<sup>1</sup> and J. Hibdon. "Using Emergency Medical Services Call Data to Develop a More Robust Geography of Illicit Drug Use," presented at the 2017 Association of American Geographers meeting in Boston, MA. International.

Groff, E.R.<sup>1</sup> and T. Taniguchi. "Preventing residential burglary – a randomized controlled experiment investigating the utility of notification by uniformed volunteers." presented at the 2016 American Society of Criminology meeting in New Orleans, LA. International.

Taniguchi, T. and E.R. Groff. "Tools for Understanding and Responding to Near Repeat Crimes. Paper presented at the International Association of Crime Analysts." presented at the 2016 International Association of Chiefs of Police meeting in Los Vegas, NV. International.

Taniguchi, T, & Groff, E.R. Translating 'Near Repeat' Theory into a Geospatial Policing Strategy: A Randomized Experiment to Prevent Residential Burglary. Paper presented at the 2016 Police and Science International Forum: Smart Policing and Crime Prevention in the Era of Big Data. Hangzhou, Zhejiang, China.

Groff, E.R.<sup>1</sup>, Johnson, S. and A. Thornton. "State of the art in agent-based modeling of urban crime: Overview, critical questions and next steps." presented at the 2015 American Society of Criminology meeting in Washington, DC. International.

Weisburd, D., Braga, A., Groff, E.R. and A. Wooditch. "Can Hot Spots Policing Reduce Crime in Jurisdictions." presented at the 2015 American Society of Criminology meeting in Washington, DC. International.

Groff, E.R. "How much bang for your crime prevention buck? Quantifying the potential benefit from addressing near repeat burglary patterns." Presented at the 2015 International Association of Crime Analysts meeting in Denver, CO. International.

Taniguchi, T.A., & Groff, E.R. (2015, September). Translating 'Near Repeat' Theory into a Geospatial Policing Strategy. Paper presented at the 2015 Annual Meeting of the International Association of Crime Analysts. Denver, CO.

Groff, E.R.<sup>1</sup> and T. Taniguchi. "Breaking the near repeat pattern for residential burglary." presented at the 2014 American Society of Criminology meeting in San Francisco, CA. International.

Weisburd, D., Groff, E.R.<sup>1</sup>, Jones, G., Amendola, K., and B. Cave. "Can Knowledge about Where the Police Patrol Aid Police Management and Lower Crime?" presented at 2014 International Association of Crime Analysts Meeting, Seattle, WA. International.

Groff, E.R.<sup>1</sup> and T. Taniguchi. "Geospatial Technology for Reducing Residential Burglary." presented at the 2014 Esri User Conference, San Diego, CA. International.

Groff, E.R.<sup>1</sup>, Haberman. C. and R. Taylor. Crime in and around neighborhood parks: Bad parks, bad neighborhoods, or both? Presented at the 2013 American Society of Criminology meeting in Atlanta, GA. International.

Ratcliffe, J.<sup>1</sup> and E.R. Groff<sup>1</sup>. "The Philadelphia Smart Policing Initiative: Lessons for operational commanders presented at the 2013 International Association of Chiefs of Police. Philadelphia, PA. International.

Groff, E.R.<sup>1</sup>, and C. Haberman. "Crime and neighborhood parks in Philadelphia, PA" presented at the 2013 Association of American Geographers meeting in Los Angeles, CA. International.

Tower, S.M. and E.R. Groff. "Crime and Disorder in Urban Parks" presented at the 2012 American Society of Criminology meeting in Chicago, IL. International.

McEwen, T. and E.R. Groff<sup>1</sup>. Performance Measurement for Police Information Technologies" presented at the 2012 American Society of Criminology meeting in Chicago, IL. International.

Groff, E.R. <sup>1</sup>, Taylor, R.B., Elesh, D, Johnson, L. and J. McGovern. "Permeability Across a Metropolitan Area: Conceptualizing and Operationalizing A Municipal-Level Crime Pattern Theory" presented at the 2012 American Society of Criminology meeting in Chicago, IL. International.

Taylor, R.B., Groff, E.R., Elesh, D. and L. Johnson. "One-Year Look-Ahead Municipality Crime Predictions in a Large Metropolitan Area" presented at the 2012 American Society of Criminology meeting in Chicago, IL. International.

Sorg E., Groff, E.R, and J. Ratcliffe. "An Application of Foraging Theory to Explain "Crackdown Decay" during a Hot Spots Experiment" presented at the 2012 American Society of Criminology meeting in Chicago, IL. International.



- Groff, E.R. <sup>1</sup>, and J. Ratcliffe. "Evaluating the Impact of CCTV: Developing and Analyzing Realistic Viewsheds." presented at the 2012 Esri User Conference, San Diego, CA. International.
- Groff, E.R. <sup>1</sup>, Ratcliffe, J., Haberman, C., and E. Sorg. "Differential Impacts of Policing Strategies at Places with High Violent Crime: A Randomized Controlled Trial" presented at the 2012 Academy of Criminal Justice Sciences meeting in New York, NY. International.
- Sorg, E., Groff, E.R, Wood, J. and J. Ratcliffe. "Boundary Modification During Place-based Experiments: Methodological Challenges in Measuring Spatial Displacement" presented at the 2012 Academy of Criminal Justice Sciences meeting in New York, NY. International.
- Ratcliffe, J., Groff, E.R., and A. Fingerhut. "Crime Reduction Effects of the Philadelphia CCTV Camera Program" presented at the 2012 Academy of Criminal Justice Sciences meeting in New York, NY. International.
- Groff, E.R. <sup>1</sup>, Ratcliffe, J. and A. Fingerhut. "Geographies of Surveillance" presented at the 2012 Association of American Geographers meeting in New York, NY. International.
- Groff, E.R. <sup>1</sup> and J. Ratcliffe. "Evaluating Three Policing Strategies: Preliminary Findings from a Randomized Control Trial" presented at the 2011 American Society of Criminology meeting in Washington, DC. International.
- Sorg, E., Haberman, C., Groff, E.R, Wood, and J. Ratcliffe. "Does Spatial Displacement Decay? Further insights from the Philadelphia foot patrol experiment" presented at the 2011 American Society of Criminology meeting in Washington, DC. International.
- Haberman, C., Sorg, E., Ratcliffe, J. and E.R. Groff. "Understanding Treatment Effects Over Time: Further Insights from the Philadelphia Foot Patrol Experiment" presented at the 2011 American Society of Criminology meeting in Washington, DC. International.
- Haberman, C. and E.R. Groff. "The Proximity Effect of Public Housing on Street Robbery in the Surrounding Area" presented at the 2011 Eastern Sociological Society meeting, Philadelphia, PA. Regional.
- Groff, E.R. <sup>1</sup>, Ratcliffe, J., Wood, J., Haberman, C., Johnson, L., Sorg, E. 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. International.

Ratcliffe, J., Groff, E.R., Wood, J. and Taniguchi T. “The Philadelphia Foot Patrol Experiment: A Randomized Controlled Trial of Police Patrol Effectiveness in Violent Crime Hotspots” presented at the 2010 American Society of Criminology meeting, San Francisco, CA. International.

Groff, E.R.<sup>1</sup>, Johnson, L., Wood J., and Ratcliffe, J. “Officer Activities while on Foot Patrol: Do They Matter in Reducing Crime?” presented at the 2010 American Society of Criminology meeting, San Francisco, CA. International.

Wood, J., Sorg, E., Groff, E.R., Johnson, L., Taniguchi, T., Haberman, C. and J. Ratcliffe. ““We just push them around the corner’: Implications of foot patrol delineation on the measurement of crime displacement?” presented at the 2010 American Society of Criminology meeting, San Francisco, CA. International.

Groff, E.R. “Quantifying Near: The Case for a Place-focused Measure of Exposure to Facilities.” presented at the 2010 Association of American Geographers meeting, Washington, DC. International.

Wood, J., Ratcliffe, J.R., Groff, E.R. and C. McGuire. “Building Evidence about Police Roles in Reducing Violence: A Public Health Law Research Project,” presented at the 2010 Law and Society Association Annual Meeting in Chicago. International.

Groff, E.R., Wood, J., Ratcliffe, J., and L. Johnson. “Identifying what worked in the Philadelphia foot patrol experiment: A Mixed Methods Investigation” presented at the 2010 Stockholm Criminology Symposium meeting, Stockholm, Sweden. International.

Yang, S.M., Groff, E.R., and D. Weisburd. “Does Concentrated Disadvantage Affect School Outcomes for Public School Students?” presented at the 2010 Stockholm Criminology Symposium meeting, Stockholm, Sweden. International.

Groff, E.R.<sup>1</sup>, Weisburd, D., 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. International.

Yang, S-M.<sup>1</sup>, Weisburd, D. and E.R. Groff. “What Matters in Predicting Crime?”

Analyzing Risk Factors Related to Crime at Micro Places Over Time.” presented at the 2009 American Society of Criminology meeting, Philadelphia, PA.

Madensen, T., E.R. Groff, and J. Eck. “Dens of Iniquity or Dens of Virtue: Revisiting the Bars and Crime Thesis.” presented at the 2009 American Society of Criminology meeting, Philadelphia, PA.

Wood, J., E.R. Groff, and J.H. Ratcliffe. “Organizational Learning in the Evaluation of Footbeats.” presented at the 2009 American Society of Criminology meeting, Philadelphia, PA.

Groff, E.R.<sup>1</sup>, Weisburd, D. 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. International.

McCord, E. and E.R. Groff. “Urban Parks: Are They Amenities or Nuisances,” presented at the 2008 American Society of Criminology meeting, St. Louis, MO. International.

Groff, E.R.<sup>1</sup>, Weisburd, D., and S.M. Yang, “Exploring ‘Near’: Characterizing the Extent of a Facility’s Influence” presented at the 2008 ESRI User Conference, San Diego, CA. International.

Groff, E.R.<sup>1</sup>, Weisburd D., and S.M. Yang. “Quantifying the Influence of Facilities on Places.” Original title: “Spatio-Temporal Variation in Opportunity-related Characteristics of Micro-level Places and Crime.” Presented at 2008 Environmental Criminology and Crime Analysis Conference, Anchorage, AK. International.

McCord, E. and E.R. Groff. “Urban Parks: Are They Amenities or Nuisances,” presented at the 2008 Environmental Criminology and Crime Analysis Conference, Anchorage, AK. International.

Groff, E.R.<sup>1</sup>, Weisburd, D., and S.M. Yang. “Explaining Variation in Micro Level Crime Trends at Places: Contrasting Opportunity and Social Structure,” presented at the 2007 American Society of Criminology meeting, Atlanta, GA. International.

Weisburd D, Groff, E.R., and S.M. Yang. “Developmental Trajectories of Crime at Place: Descriptive Patterns and Correlates,” presented at the 2007 American Society of Criminology meeting, Atlanta, GA. International.

- Yang, S.M., Weisburd D, and E.R. Groff. "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. International.
- Weisburd, D., Groff, E.R. and SM Yang. "Longitudinal Variation in Opportunities for Crime at the Micro Level." presented at the 2007 Environmental Criminology and Crime Analysis Conference, London, UK. International.
- 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. International.
- Groff, E.R. "Simulating Theory with Agent Analyst," presented at the 2006 ESRI User Conference, San Diego, CA. International.
- 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. International.
- Groff, E.R. "Modeling the Dynamics of Street Robbery," presented at the 2005 American Society of Criminology meeting, Toronto, CA. International.
- Groff, E.R.<sup>1</sup> and T. McEwen. "A Geometry of Homicide: Dots, Lines and Triangles," presented at the 2005 American Society of Criminology meeting, Toronto, CA. International.
- 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. International.
- Groff, E.R.<sup>1</sup> and T. McEwen. "A Regional Model of Homicide Trips," presented at the 2005 Mapping and Analysis for Public Safety Conference, Savannah, GA. International.
- 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. National.
- Brantingham, P.<sup>1</sup> and E.R. Groff<sup>1</sup>. "The Future of Agent-Based Modeling in Environmental Criminology," presented at the 2004 American Society of Criminology meeting, Nashville, TN. International.

Groff, E.R.<sup>1</sup> and T. McEwen. "Homicide Mobility Triangles: A New Look at an Old Technique," presented at the 2004 American Society of Criminology meeting, Nashville, TN. International.

Groff, E.R.<sup>1</sup> and T. McEwen. "Disaggregating the Journey to Homicide," presented at the 2004 ESRI User Conference, San Diego, CA. International.

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. International.

Groff, E.R.<sup>1</sup> and T. McEwen. "Disaggregating the Journey to Homicide: Preliminary Findings," presented at the 2004 Association of American Geographers meeting, Philadelphia, PA. International.

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. International.

Groff, E.R. "SMART Mapping: GIS in a Law Enforcement Agency," presented at the 2003 Community-Oriented Policing Services (COPS) Conference, Washington, DC. National.

Groff, E. R.<sup>1</sup> and T. McEwen. "Modeling the Spatial Dynamics of Homicide," presented at the 2002 Mapping and Analysis for Public Safety conference, Denver, CO. National.

Groff, E.R. "Spatially Enabling Your Research: An Informational Brownbag," presented at the 2000 American Society of Criminology, San Francisco, CA. International.

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. International.

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. International.

Groff, E.R. "Mapping to Support Your Reentry Partnership Initiative" presented at

the 2000 Reentry Cluster Meeting, Las Vegas, NV. National.

Groff, E.R. "Implementing GIS in a Law Enforcement Organization," workshop at the 2000 Crime Mapping Research Conference, Orlando, FL. International.

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. National.

Groff, E.R.<sup>1</sup>, 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. Regional.

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. International.

Groff, E.R. "Crime Mapping and CPTED," presented at the 1999 International CPTED Association Conference, Mississauga, Ontario, Canada. International.

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. International.

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. National.

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. International.

Groff, E.R. "Mapping an Opportunity Surface of Residential Burglary," presented at the 1999 International Environmental Criminology Conference, Pretoria, South Africa. International.

Groff, E.R. "Using GIS in Law Enforcement: An Overview," presented at the 1999 Pennsylvania GIS Conference. Harrisburg, PA. Regional.

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. Local.

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. International.

Groff, E.R.<sup>1</sup> 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. International.

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

Groff, E.R.<sup>1</sup>, 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. International.

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

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

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. Regional.

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

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. Regional.

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. Regional.

## PANEL DISCUSSIONS

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Units of Analysis in the Study of Communities, Place and Crime: Conceptual and Methodological Challenges and Future Innovation. Participants: Chris Browning, Elizabeth Groff, Charis Kubrin. Moderators: Josh Hinkle and Sue-Ming Yang. 2019 American Society of Criminology meeting, San Francisco, CA. International.

## POSTER PRESENTATIONS

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Groff, E.R. "Interrupting near repeat residential burglary: resident and treatment provider views of an intervention" presented at the 2016 International Environmental Criminology Conference, Münster, Germany. International.

Groff, E.R. "Interrupting near repeat residential burglary patterns: The role of timely awareness" presented at the 2014 International Environmental Criminology Conference, Kerkouk, The Netherlands. International.

## INVITED ADDRESSES

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Groff, E. R. "A First Look at Prosecutor's Use of Body Worn Camera Video in the Decision to File," presented at the 2019 Center for Evidence-based Crime Policy – Police Foundation Symposium on Evidence-Based Crime Policy, Fairfax, VA. International.

Groff, E. R. "Smarter policing of violent crime hot spots: Results from two field experiments". June 2017, **keynote speaker** at the Smart Policing and Crime Prevention in the Era of Big Data Conference, Hangzhou, China. International.

Groff, E. R. "Preventing near repeat residential burglary: Anatomy of a field experiment" Crime and Place Speaker Series. March, 2017. George Mason University. Fairfax, Virginia. Honorarium.

Groff, E. R. "Investigating near repeat burglary at the micro level: Tales from a field experiment" University of Cincinnati Speaker Series. March, 2017. University of Cincinnati. Cincinnati, Ohio. Honorarium.

Groff, E. R. "Law enforcement body-worn cameras viewed from different angles", Technology and Women: Protection and Peril Symposium. October, 2016. University of Pennsylvania. Philadelphia, PA. International.



Groff, E. R. "Measuring the influence of the built environment on crime at street segments", **keynote speaker** at The Criminology of Place: Street Segments and Our Understanding of the Crime Problem - An International Symposium. June, 2016. Jerusalem, Israel. International.

Groff, E. R. "Understanding spatial behavior and crime: An agent-based modeling perspective", **keynote speaker** at the Royal Academy of the Netherlands' Colloquium on 'Spatial Behavior and Crime'. 2016. Amsterdam, The Netherlands. International.

Groff, E. R. and J. Wood "Zooming in: A pilot study of body worn cameras and their effects on police work". 2015. University of Pennsylvania Colloquium Series. Philadelphia, PA. Local.

Wood, J. and Groff, E.R. "Coming into focus: What Philadelphia has learned about body worn cameras in police work", presented at the 2015 Center for Evidence-based Crime Policy – Police Foundation Symposium on Evidence-Based Crime Policy, Fairfax, VA. International.

Groff, E.R. "Offender Contact Policing in Violent Hot Spots" presented at the 8th International Conference on Evidence-Based Policing, July 6 – 8, 2015. Cambridge, England. International.

Groff, E.R. "Application of the research-practice dialogue in understanding and preventing crime: Tales from an applied geographer" **opening keynote address** presented at the 2013 Applied Geographers meeting in Annapolis, MD. International.

Groff, E.R. "The Role of Foot Patrol Officers in Policing Hotspots", presented at the Netherlands Institute for the Study of Crime and Law Enforcement, Amsterdam, Netherlands. International.

Groff, E.R. "Police deployment at places: Do officer activities matter in crime reduction?" presented at the 2013 Center for Evidence-based Crime Policy Symposium, Fairfax, VA. International.

Groff, E.R., Ratcliffe, J., Haberman, C., and E. Sorg. "Does What Police Do at Hot Spots Matter?" presented at the 2012 Center for Evidence-based Crime Policy Symposium, Fairfax, VA. International.

Groff, E.R. "Policing Hotspots in Philadelphia", presented at research symposium

in 2012. Simon Fraser University, Vancouver, BC. International.

Groff, E.R. "Agent-based Modeling and Crime Analysis", presented at the 2011 meeting of the International Association of Crime Analysts, Hyannis, MA. International.

Groff, E.R. "Agent-based Modeling for Criminal Justice", presented at the 2011 Spring meeting of the Geospatial Technical Working Group, Arlington, VA. National.

Groff, E.R. "Agent-based Modeling for Criminal Justice", presented at the 2011 Spring meeting of the Simulation and Modeling Technical Working Group, Arlington, VA. National.

Groff, E.R., Wood, J., Johnson, L., 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. International.

Groff, E.R. On-line discussion as part of ESRI Spatial Roundtable on the Case for Place in Twenty-first Century Policing. 2010.  
<http://www.spatialroundtable.com/post.cfm?entry=the-case-for-place-in-twenty-first-century-policing>. International.

Groff, E.R. "Spatial Analysis for Criminal Justice Questions", University of Maryland Statistical Methods Series, 2010. College Park, MD. Regional.

Groff, E.R. "Quantifying Near: The Case for a Place-focused Measure of Exposure to Facilities" presented at the GUS Spring Lecture Series, Temple University. 2010. Local.

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. International.

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. National.

Groff, E.R. "Exploring the Geography of Routine Activity Theory: A Spatio-Temporal Test Using Street Robbery", presented at the University of Pennsylvania's Criminology Seminar Series, 2008. Philadelphia, PA. Local.

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

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. International.

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

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. International.

#### **WORKS SUBMITTED FOR PUBLICATION**

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Taylor, R., Groff, E.R., Johnson, L. and D. Elesh. Intra-metropolitan violent crime in space and time: Jurisdiction-level patterning. *Under revision*

#### **RESEARCH IN PROGRESS:**

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Groff, E.R. and J. Wood. Covering some different angles of implementing body worn cameras.

Groff, E. R. and C. Haberman. "Eyes on the street" and Crime Revisited: Investigating the Role of Residents Versus Nonresidents.

#### **GRANTS AND CONTRACTS, EXTERNALLY FUNDED**

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PRINCIPAL INVESTIGATOR (\$552,589) *“Understanding the Broader Impacts of Body Worn Cameras on Police Work, Community Perceptions and Community Health: A Multi-Method Assessment.”* Jennifer Wood, Temple University, Co-Investigator. Sponsoring Agency: National Institute of Justice, #2017-R2-CX-0011, January 1, 2018 to July 31, 2021.

PRINCIPAL INVESTIGATOR (\$89,684) *“What Role Does Body Worn Camera Footage Play in a Prosecutor’s Decision to File?: A Natural Experiment.”* Jeffrey Ward, Temple University, Co-Investigator. Sponsoring Agency: Laura and John Arnold Foundation, March 1, 2017 to February 28, 2018.

PRINCIPAL INVESTIGATOR (Subcontract: \$143,569) *“Testing the Effective Components of Hot Spot Policing Response Teams.”* Jennifer Wood, Temple University, Co-Principal Investigator. Christopher Fisher, New York Police Department, Principal Investigator. Sponsoring Agency: Bureau of Justice Assistance (\$538,743), January 1, 2014 to December 31, 2017. Research suspended by NYPD, funds returned.

PRINCIPAL INVESTIGATOR (Subcontract: \$114,320) *“Translating ‘Near Repeat’ Theory into a Geospatial Policing Strategy: A Randomized Experiment Testing a Theoretically-Informed Strategy for Preventing Residential Burglary.”* Travis Taniguchi, Police Foundation, Co-Principal Investigator. Sponsoring Agency: National Institute of Justice, #2012-IJ-CX-0039 (\$397,344), January 1, 2013 to September 30, 2016.

Continuation funding (Subcontract: \$32,827). Karen Amendola, Project Director, Police Foundation; Travis Taniguchi, Research Triangle Institute, Co-Principal Investigator. Sponsoring Agency: National Institute of Justice, #2012-IJ-CX-0039 (\$105,000), October 1, 2016 to September 30, 2017.

CO-PRINCIPAL INVESTIGATOR. *“Philadelphia Smart Policing SMART Phase 2.0”* with Nola Joyce (Philadelphia Police Department) and Ratcliffe, JH. Sponsoring Agency: Bureau of Justice Assistance (\$212,888), 2012.

CO-PRINCIPAL INVESTIGATOR. *“Forecasting Municipality Crime Counts within a Metropolitan Area.”* Ralph Taylor, Temple University, Principal Investigator. Sponsoring Agency: National Institute of Justice, #2009-IJ-CX-0026 (\$497,000), January 1, 2010 to July 31, 2013.

CO-PRINCIPAL INVESTIGATOR. *“Can Video Surveillance Reduce Crime? Quantifying the Size and Geographic Extent of CCTV’s Impact.”* Jerry Ratcliffe, Temple University, Principal Investigator. Sponsoring Agency: National Institute of

Justice, #2009-IJ-CX-0012 (\$486,161), January 1, 2010 to December 31, 2013.

CO-PRINCIPAL INVESTIGATOR (Subcontract: \$348,503). *"Building Evidence about Police Violent Crime Reduction Efforts."* Nola Joyce, Philadelphia Police Department, Principal Investigator. Sponsoring Agency: Bureau of Justice Assistance, #2009-DG-BX-K021 (\$500,000), May 1, 2010 to August 31, 2012.

CO-PRINCIPAL INVESTIGATOR. *"Building evidence about police roles in the management of violence and other health problems."* Wood, J., Principal Investigator. Ratcliffe, J. (Co-Principal Investigator). National Program Office, Public Health Law Research Program, Robert Wood Johnson Foundation (\$49,865). July 1, 2009 to November 31, 2010.

CO-PRINCIPAL INVESTIGATOR (Subcontract: \$49,625). *"Smart Police Deployment: Evaluating the Use of Automated Vehicle Locator Technologies in Policing."* David Weisburd, Police Foundation, Principal Investigator. Sponsoring Agency: National Institute of Justice, #2007-IJ-CX-K153 (\$235,421), November 1, 2007 to October 30, 2012.

PRINCIPAL INVESTIGATOR. *"Modeling the Dynamics of Street Robbery to Inform Policy and Prevention."* Sponsoring Agency: National Institute of Justice, 2005-IJ-CX-0015 (\$141,163). June 1, 2005 to September 31, 2008.

CO-PRINCIPAL INVESTIGATOR (David Weisburd, Principal Investigator). *"Explaining Developmental Crime Trajectories at Places: A Study of 'Crime Waves' and 'Crime Drops' at Micro Units of Geography."* Sponsoring Agency: National Institute of Justice, #2005-IJ-CX-0006 (\$271,882), Aug 1, 2005 to January 31, 2010.

PROJECT DIRECTOR. *"Exploring the Impact of Micro Level Crime Patterns on Macro Level Crime Trends."* David Weisburd, University of Maryland, Principal Investigator (Subcontract: \$148,027). Primary project "Understanding and Monitoring the "Whys" Behind Juvenile Crime Trends", Jeff Roth, University of Pennsylvania, Principal Investigator. Sponsoring Agency: Office of Juvenile Justice and Delinquency Prevention, #2001-JN-FX-K001, January 2003 to December 2006.

CO-PRINCIPAL INVESTIGATOR. *"Distance to Crime: Analyzing and Mapping Violent Crime."* Tom McEwen, Institute for Law and Justice, Principal Investigator. Sponsoring Agency: National Institute of Justice, 2003-IJ-CX-0150 (\$100,487), September 2003 to December 2006.

ANALYST. "Evaluation of the COPS MORE Program." Tom McEwen, Institute for Law and Justice, Principal Investigator. Sponsoring Agency: Community Oriented Policing Services Office grant #2003-CK-WX-K039 (\$199,853), September 2003 to December 2007.

## **GRANTS AND CONTRACTS, INTERNALLY FUNDED**

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PRINCIPAL INVESTIGATOR. "A foundation for rethinking 911 response." 2021 University Summer Research Award (SRA), \$7,000.

PRINCIPAL INVESTIGATOR. "Understanding how park characteristics, park users, perceptions of park safety, and park context affect park crime." 2016 CLA Research Award (CLARA), \$3,500.

CO-PRINCIPAL INVESTIGATOR. Wood, J. (Principal Investigator). Exploring the intended and unintended consequences of body worn cameras in policing: A qualitative pilot study with the Philadelphia Police Department. Temple University Office of the Vice President for Research Seed Funding Program Award. \$18,500. July 1, 2015 to June 30, 2017.

PRINCIPAL INVESTIGATOR. Office of International Affairs Internationalization Grant to partially fund fellowship at the NSCR, Amsterdam, The Netherlands in May and July of 2013. \$4,000.

PRINCIPAL INVESTIGATOR. CLARA Award to fund graduate students to do field work and contribute our measurement of police dosage achieved in the Philadelphia Foot Beat Experiment. \$5,000. 2009.

PRINCIPAL INVESTIGATOR. Rotberg Award to fund undergraduate research (Center for the Humanities at Temple). Awarded in January 2008 to fund Marissa Cino's participation as a research assistant in the Philadelphia Parks Survey. \$1,500.

## **ARTICLES HIGHLIGHTING MY RESEARCH**

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Bulman, P. (2011). Block by Block: Zeroing in on Crime Trends. *NIJ Journal*, 267, 16-17.

## **TEACHING**

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**COURSES TAUGHT IN THE LAST FIVE YEARS:**

CJ8220: CRIME MAPPING

Temple University

Department of Criminal Justice

CJ8320: SEMINAR IN CRIMINAL JUSTICE POLICY (CRIMINOLOGY OF PLACE)

Temple University

Department of Criminal Justice

CJ8330: SEMINAR IN ADVANCED CJ RESEARCH TOPICS (ADVANCED GEOSPATIAL METHODS)

Temple University

Department of Criminal Justice

CJ8222: SIMULATION MODELING

Temple University

Department of Criminal Justice

CJ2597: RESEARCH METHODS

Temple University

Department of Criminal Justice

CJ3603: MAPPING CRIME AND JUSTICE DATA

Temple University

Department of Criminal Justice

CJ3402: STREET LEVEL CRIMINOLOGY (FORMERLY INTRODUCTION TO ENVIRONMENTAL CRIMINOLOGY)

Temple University

Department of Criminal Justice

CJ3902: STREET LEVEL CRIMINOLOGY (FORMERLY INTRODUCTION TO ENVIRONMENTAL CRIMINOLOGY) - HONORS

Temple University

Department of Criminal Justice

**INDEPENDENT STUDY COURSES:**

Hannah Steinman, Summer Research Funding, Summer 2020, Graduate.

Elijah Bueno, First Summer Research Initiative, Summer 2020, Graduate.

Michael Sylvanovich, Research Practicum, Summer 2019. Graduate.

Danielle Stanford, Victimization, Fall 2018. Graduate.

Conner Workman, When can technology substitute for field studies? Fall 2017. Undergraduate.

Brittney Coleman, Using historical data sources to understand urban parks. Fall 2017. Undergraduate.

Danielle Stanford, Crime around Stadiums in Philadelphia. Spring 2013. Undergraduate.

Evan Sorg, Spatial Aspects of Foot Patrol. Fall 2011. Graduate.

Denean Allen, Philadelphia Parks Study: Healthy Parks and Healthy Residents. Spring 2008. Undergraduate.

Nick Witmer, Philadelphia Parks Study: A History of Philadelphia Parks. Spring 2008. Undergraduate.

**DOCTORAL COMMITTEE SERVICE:**

Clarissa Breen	PhD, 2011
Jung Cho (Chair)	PhD, in progress
Audrey Clubb external, Georgia State University	PhD, 2017
Andrea Curman, external, Simon Fraser University	PhD, 2012
Jill Eidson	PhD, 2020
Ryan Fisher	PhD, 2021
Nili Gesser	PhD, 2021
Pat Griffin	PhD, 2017
Drew Heinzeroth	PhD, in progress
Ourania Kounadi, external, University of Salzburg	PhD, 2015
Aaron Levin, external, University of Missouri St. Louis	PhD, 2018
Brian Lockwood	PhD, 2010
Patrick McConnell	PhD, 2008
Troy Payne, external, University of Cincinnati	PhD, 2010
Jillian Shafer Desmond, external, University of Cincinnati	PhD, 2020
Mark Stafford, external, Texas State University	PhD, in progress
Travis Taniguchi	PhD, 2010
Verity Tether, external, University College London	PhD, 2021
Lisa Tompson, external, University College London	PhD, 2016
Jane Tucker	PhD, 2012
Katie Wunschke, external, Simon Fraser University	PhD, 2016
Xiaoyun Wu, external, George Mason University	PhD, 2019



Renee Zahnow, external, University of Queensland

PhD, 2015

**MASTER'S ADVISING SERVICE:**

Sarah Cossick  
Christina Fusca

In progress  
MA. Dec 2020

**SERVICE**

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**SERVICE TO THE COMMUNITY**

**NATIONAL**

Briefed the National Governors Association's Consortium of State Public Safety Executives on the key elements of effective targeted policing efforts. October 2017

**LOCAL**

Assisted the Philadelphia Police Department with their deployment of body worn cameras, October 2014 to present.

Participated in Violent Crime Prevention Roundtable convened by Philadelphia City Councilman Kenyatta Johnson, December 2012.

Assisted Philadelphia Police Department by evaluating the efficacy of foot patrol for reducing crime in hot spots, January 2008 to January 2009.

**SERVICE TO THE PROFESSION:**

Board Member

Executive Counselor, Executive Board (American Society of Criminology)	2021 - present
Chair, Division of Communities and Place (American Society of Criminology)	2018 - 2020
Vice-Chair, Crime and Place Working Group, Center for Evidence-Based Crime Policy	2018 - present
Vice-Chair, Division of Communities and Place (American Society of Criminology)	2017 - 2018
ICPSR Council	2017 - 2020
Vice-Chair, Division of Experimental Criminology (American Society of Criminology)	2015 - 2017
Board member, Division of Experimental Criminology (American Society of Criminology)	2011 - 2014

Advisory Board Member

Turning Points in Criminology (Cambridge Press)	2018 - present
Center for Public Interest Journalism	2011 - present
Police Foundation's Crime Mapping Laboratory	2007 - 2010

Participating Member

ASC Program Committee	2014, 2016, 2017
Crime and Place Working Group, Center for Evidence-Based Crime Policy Program Committee, 'ABM4Crime – Agent-Based Modelling for Criminological Research, Thematic track at the 18th EPIA Conference on Artificial Intelligence. Porto, Portugal	2008 – present
National Institute of Justice, Office of Science and Technology -- Geospatial Technologies Technical Working Group	2017
National Institute of Justice, Office of Science and Technology -- Law Enforcement Advisory Panel (LEAP)	2005 – 2012
	2013 – present

Journal Editorial Board and Advisory Editor Member

Journal of Experimental Criminology	2016 - present
Journal of Quantitative Criminology	2014 - 2020
Journal of Research in Crime and Delinquency	2010 - present
Evaluation Review	2008 - present

Editor

Co-Editor of **Journal of Research in Crime and Delinquency**, Special Issue, "Crime and Place", Volume 48, Issue 1, 2011.

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**, Special Issue, "Environmental Criminology and Crime Analysis", Volume 5, No. 3, November 2004.

Reviewer

Annals of the Association of American Geographers, Asian Journal of Criminology, Australian and New Zealand Journal of Criminology, Computers, Environment and Urban Systems, Crime Law and Social Change, Crime Prevention and Community Safety, Crime Science, Criminology, Criminology and Public Policy, Critical Criminology, Elements of Criminology, Environment and Planning B, International Journal of Police Science and Management,

Journal of Crime and Justice, Journal of Defense Modeling and Simulation, Journal of Quantitative Criminology, Journal of Experimental Criminology, Journal of Urban Affairs, Oxford Bibliographies, Police Practice and Research, Police Quarterly, Policing: An International Journal of Police Strategies and Management, Proceedings of the National Academy of Sciences, Professional Geographer, Rowman and Little Press, Security Journal, Sustainable Cities and Society, Temple University Press, Transactions in GIS and University of California Press.

#### Funding Proposal Reviewer

Austrian Science Fund, Bureau of Justice Assistance, Israel Science Foundation, National Institute of Justice, National Science Foundation, NWO Talent Programme – Vidi scheme, Office of Community-Oriented Policing Services, Portuguese Foundation for Science and Technology and Robert Wood Johnson Foundation.

#### Tenure/Promotion Review Committees (external):

University College London, March 2021  
Florida International University, July 2020  
Marquette University, July 2020  
University of Arkansas, July 2020  
University College London, February 2019  
Oakland University, July 2019  
University of Missouri St. Louis, July 2019

#### Sessions Organized, Chaired and/or Discussant

‘Ecologies of Crime in Time and Space’, Discussant, 2011 Eastern Sociological Society meeting, Philadelphia, PA. Regional.

‘Crime and the Local Environment’, Chair, 2008 American Society of Criminology meeting, St. Louis, MO. International.

‘Effect of the Built Environment on Health and Safety Issues’, Organizer and Chair, 2008 Association of American Geographers Meeting, Boston, MA. International.

#### Conferences Organized

Environmental Criminology and Crime Analysis Conference, June 2013  
Philadelphia, PA. International. Co-organizer.  
Symposium on Spatial Criminology, Philadelphia, PA May 2008  
International. Co-organizer.

**SERVICE TO THE UNIVERSITY**

Sabbatical Award Committee	2020 - 2023
Tenure and Promotion Committee	2018 - 2020
Student Award Selection Committee	2010 - 2016
Teaching and Learning Center Search Committee	2007 - 2008

**SERVICE TO THE COLLEGE**

Budget Priorities Committee	2021 - 2024
Search Committee (Director of Graduate Studies)	2019
Events Planning Committee	2017
Tenure and Promotion Committee	2015 – 2017
Academic Technology Committee	2013 – 2017

**SERVICE TO THE DEPARTMENT**

Executive Board	2019 - 2021
Graduate Chair	2019 - 2021
Graduate Committee	2018 - present
Fyfe Award Committee	2015, 2016, 2018
Undergraduate Chair	2013 - 2017
Personnel Committee	2013 - present
Promotion Committee	2019
Research Committee, Chair	2009 - 2013
Development Committee	2012 - 2013
Theory Comprehensive Exam Committee	2009 - 2012
Search Committee	2009 - 2011
Undergraduate Committee	2007 - 2012
Merit Committee (Tenure Track)	2009, 2012-2014
Merit Committee (NTT)	2013 - 2014
Middle States Committee	2008 - 2009

**PAID CONSULTANCIES**

Violence Reduction Network	2015 - 2016
BJA's National Training and Technical Assistance Center	2015 - 2016
Institute for Law and Justice	2007 - 2008

**PROFESSIONAL MEMBERSHIPS**

Academy of Experimental Criminology (AEC)	2004 - present
American Society of Criminology (ASC)	1998 - present
American Society of Evidence-based Policing	2021 - present
Association of American Geographers (AAG)	1994 - present
Homicide Research Working Group (HRWG)	2006 - 2008

**AWARDS/HONORS:**

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Appeared in <u>Women in GIS, Vol 2.</u>	2020
Invited to editorial board of the <i>Journal of Experimental Criminology</i>	2016
Highly Commended Paper Award from the Editorial Team of <i>Policing: An International Journal of Police Strategies &amp; Management</i>	2014
Invited to editorial board of the <i>Journal of Quantitative Criminology</i>	2014
Outstanding Experimental Field Trial, Academy of Experimental Criminology / ASC Division of Experimental Criminology Award	2013
Harvard Executive Session on Policing and Public Safety, Invited Participant	2011
Elected Fellow of the Academy of Experimental Criminology	2010
Invited to editorial board of the <i>Journal of Research in Crime and Delinquency</i>	2010
Intergraph Junior Faculty Award, UCGIS Summer Assembly	2009
Academy of Experimental Criminology's Young Experimental Scholar Award	2008
Invited to be <i>Evaluation Review</i> Advisory Editor	2008
Center for Spatially Integrated Social Sciences Space Workshop	2007
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

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