

RACHEL BOBA SANTOS, PHD

Professor, Department of Criminal Justice
Co-Director, Center for Police Practice, Policy and Research
Radford University, Radford, VA
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EDUCATION

PhD Sociology

Arizona State University, December 1996

Dissertation: *Violence between Married and Unmarried Cohabiting Couples: An Analysis Using Couple-Level Data*

MA Sociology

Arizona State University, May 1993

Thesis: *Differences in Perception of Relationship between Male and Female Cohabitors*

BA Sociology & English

California Lutheran University, May 1991 (Magna Cum Laude)

PROFESSIONAL AND ACADEMIC EXPERIENCE

2018 – Present

Co-Director

Center for Police Practice, Policy and Research
Department of Criminal Justice
Radford University, Radford, VA

2016 – Present

**Professor, Crime Analysis Minor Coordinator,
and Graduate Faculty**

Department of Criminal Justice
Radford University, Radford, VA

2009 – 2016

Associate Professor and Graduate Faculty

School of Criminology and Criminal Justice
Florida Atlantic University, Boca Raton, FL

2010 – 2016

Graduate Coordinator (Master of Science Program)

School of Criminology and Criminal Justice
Florida Atlantic University, Boca Raton, FL

2003 – 2009

Assistant Professor and Graduate Faculty

School of Criminology and Criminal Justice
Florida Atlantic University, Boca Raton, FL

RACHEL BOBA SANTOS, PHD

- 2000 – 2003** **Senior Research Associate**
Director of the Crime Mapping Laboratory (Research Division)
National Police Foundation, Washington DC
- 1994 – 1999** **Crime Analyst**
Tempe, AZ Police Department

Areas of Specialization

Evidence-based and practice-based research; Stratified policing; Crime analysis and mapping; Translational criminology; Criminology of place; Police effectiveness in crime reduction and prevention; Evidence-based policing, Problem-oriented policing, Hot spots policing, Community policing; Police leadership, organizational change, and accountability; Regional data and crime analysis systems; Criminal justice technology; Experimental research methods; Program evaluation

INSTRUCTION

- 2016 – Present** **Professor and Graduate Faculty**
Criminal Justice, Radford University
- 2003 – 2016** **Assistant and Associate Professor, Graduate Faculty**
Criminology and Criminal Justice, Florida Atlantic University
- 2013** **eLearning Designer/Facilitator Certification**
Florida Atlantic University Center for eLearning.
- 2000 – 2003** **Adjunct Instructor**
Criminology Department (Graduate), University of Maryland
- 1995 – 1999** **Adjunct Instructor**
Sociology Department, Arizona State University
- 1991 – 1995** **Graduate Teaching Assistant**
Sociology Department, Arizona State University

Undergraduate Classes

Introduction to the Crime Analysis Profession; Tactical Crime Analysis; Crime Analysis Capstone: Classroom; Criminal Justice Technology; Criminal Justice System; Criminology; Methods of Research; Victimology; Crime Prevention; Solving Crime and Disorder Problems; Introduction to Sociology; Sociology of Crime

Graduate Classes

Criminal Justice Research Methods; Applications in Crime Analysis; Criminal Justice Technology; Advanced Research Methods in Criminal Justice; Police Research, Policy, and Practice; Crime and Everyday Life; Crime Prevention; Victimology; Solving Crime and Disorder Problems; Applied Data Analysis in Criminal Justice; Special Criminological Problems: Applied Data Analysis II

PUBLICATIONS

Peer Reviewed Journal Articles

- Santos, R. B., & Santos, R. G.** (2020). Proactive police response in property crime micro-time hot spots: Results from a partially-blocked blind random controlled trial. *Journal of Quantitative Criminology*, 1-21. DOI 10.1007/s10940-020-09456-8.
- Santos, R. G., & Santos, R. B.** (2019). A four-phase process for translating research into police practice. *Police Practice and Research*, 20(6), 585-602.
- Santos, R. B., & Santos, R. G.** (2018). Introduction crime analysis practice, research partnerships, and role in evidence-based policing. *Policing: A Journal of Policy and Practice*, 12(3), 251–254.
- Smith, J., Santos, R. B., & Santos, R. G.** (2018). Evidence-based policing and the stratified integration of crime analysis in police agencies: National survey results. *Policing: A Journal of Policy and Practice*, 12(3), 303–315.
- Santos, R. B., & Santos, R. G.** (2016). Offender-focused police strategies in residential burglary and theft from vehicle hot spots: a partially blocked randomized controlled trial. *Journal of Experimental Criminology*, 12(3), 373–402.
- Santos, R. B., & Santos, R. G.** (2015). Examination of police dosage in residential burglary and theft from vehicle micro-time hot spots. *Crime Science*, 4(27), 1-12.
- Santos, R. G., & Santos, R. B.** (2015). Practice-based research: Ex post facto evaluation of evidence-based police practices implemented in residential burglary micro-time hot spots. *Evaluation Review*, 39(5), 451-479.
- Santos, R. G. & Santos, R. B.** (2015). An ex post facto evaluation of tactical police response in residential theft from vehicle micro-time hot spots. *Journal of Quantitative Criminology*, 31(4), 679-698.
- Santos, R. B., & Taylor, B.** (2014). The integration of crime analysis into police patrol work: results from a national survey of law enforcement. *Policing: An International Journal of Police Strategies and Management*, 37(3), 501-520.

- Santos, R. B.** (2014). The effectiveness of crime analysis for crime reduction: Cure or Diagnosis? *Journal of Contemporary Criminal Justice*, 30(2), 147-168.
- Santos, R. B.** (2013). Implementation of a police organizational model for crime reduction. *Policing: An International Journal of Police Strategies and Management*, 32(2) 295-311.
- Santos, R. B., & Santos, R. G.** (2012). The role of leadership in implementing a police organizational model for crime reduction and accountability. *Policing: A Journal of Policy and Practice*, 6(4), 344-353.
- Boba, R.,** (2010). A practice-based evidence approach in Florida. *Police Practice and Research, Special Issue: The Evolving Relationship between Police Research and Police Practice*, 11(2), 122-128.
- Boba, R., & Lilley, D.** (2009). Violence Against Women Grants: A nationwide assessment of effects on rape and assault. *Violence against Women*, 15(2), 168 – 185.
2009 Best Article Award Runner Up, *Violence Against Women*
- Boba, R.,** Weisburd, D., & Meeker, J. (2009). The limits of regional data sharing and regional problem solving: Observations from the East Valley, CA COMPASS Initiative. *Police Quarterly*, 12(1), 22-41.
- Lilley, D., & **Boba, R.** (2009). The State Criminal Alien Assistance Program and crime reduction: Were SCAAP funds to local jurisdictions as effective as other major justice programs during the past decade? *Journal of Criminal Justice*, 37(3), 217-224.
- Boba, R., & Crank, J.** (2008). Institutionalizing problem-oriented policing: Rethinking problem identification, analysis, and accountability. *Police Practice and Research*, 9(5), 379-393.
- Boba, R., & Santos, R. G.** (2008). A review of the research, practice, and evaluation of construction site theft occurrence and prevention: Directions for future research. *Security Journal*, 21(4), 246-263.
- Lilley, D., & **Boba, R.** (2008). A comparison of outcomes associated with two key law enforcement grant programs. *Criminal Justice Policy Review*, 19(4) 438 - 465.
- Boba, R., & Santos, R. G.** (2007). Single-family home construction site theft: A crime prevention case study. *International Journal of Construction Education and Research*, 3(3), 217-236.
- Bazemore, G., & **Boba, R.** (2007). Doing good to “make good”: Community theory for practice in a restorative justice civic engagement reentry model. *Journal of Offender Rehabilitation*, 46(1/2), 25-56.

Taylor, B., Kowalyk, A., & **Boba, R.** (2007). The integration of crime analysis into law enforcement agencies: An exploratory study into the perceptions of crime analysts. *Police Quarterly*, 10(2), 154-169.

Books

Santos, R. G., & **Santos, R. B.** (Forthcoming, December 2020). *Stratified Policing: An organizational model for proactive crime reduction and accountability*. Lanham, MD: Rowman & Littlefield.

Santos, R. B. (2017). *Crime Analysis with crime mapping* (4th Edition). Thousand Oaks, CA: Sage Publications.

Felson, M., & **Boba, R.** (2010). *Crime and everyday life* (4th edition). Thousand Oaks, CA: Sage Publications.

Book Chapters

Santos, R. B., & Santos, R. G. (2020). Construction site theft and burglary in Port St. Lucie, Florida. In Scott, M.S. & Clarke, R.V. (Eds.). Chapter 22. *Problem-Oriented Policing: Successful Case Studies. Crime Science Series*. London and New York: Routledge.

Santos, R. B. (2019). Critic: Predictive policing: Where's the evidence? In Weisburd, D. & Braga, A.A. (Eds.) *Police Innovation: Contrasting Perspectives*. Cambridge, UK: University of Cambridge Press.

Santos, R. B., & Santos, R. G. (2019). The role of technology in hot spots policing. In Utecht, C. (ed.). *Current issues in policing* (pp. 195-208). San Diego: Cognella.

Santos, R. B., & Davis, C. (2017). Law enforcement data and crime analysis data sources. In International Association of Crime Analysts (ed). *Exploring crime analysis: Reading on essential skills* (3rd edition) (Eds.) K. Gallagher, J. Wartell, S. Gwinn, G. Jones, & G. Stewart (pp. 75-85). Overland Park, KS: International Association of Crime Analysts.

Santos, R. B. (2015). Routine activity theory: A cornerstone of police crime analyst work. In M. Andresen & G. Farrell (Eds.) (pp 108-114). *The criminal act: The role and influence of routine activity theory*. New York, NY: Palgrave Macmillan.

Santos, R. B. (2013). Computer Aided Dispatch. *Encyclopedia of Community Policing and Problem Solving*. Thousand Oaks, CA: Sage.

Santos, R. B., & Santos, R. G. (2013). Theft at construction sites, crime specialization and concentration section. In G.J.N. Bruinsma, D.L. Weisburd (eds.), *Encyclopedia of criminology and criminal justice: Crime and Place Volume*. New York: Springer Science and Business Media.

- Bazemore, G., & **Boba, R.** (2010). Problem solving restorative justice: From incidents and cases to community building and collective outcomes in a new response to youth crime. In S. Decker (Ed.), *Criminology and public policy: Putting theory to work* (pp. 254-276). Philadelphia, PA: Temple University Press.
- Boba, R.** (2009). EVIL DONE. In J.D. Freilich & G. Newman (Eds.) *Reducing terrorism through situational crime prevention, Crime prevention studies series, Volume 25* (pp. 71-91). Monsey, NY: Criminal Justice Press.
- Bazemore, G. & **Boba, R.** (2008). Doing good to make good: Evaluating a civic-engagement model of reentry. In E. Rhine & D. Evans (Eds.) *What works: Research into practice: Bridging the gap in community corrections*. Alexandria, VA: American Correctional Association and International Community Corrections Association.
- Boba, R.** (2008). Interpreting crime data and statistics. In S. Gwinn, C. Bruce, J. Cooper, & S. Hick (Eds.), *Exploring crime analysis: Reading on essential skills* (pp. 158-178). North Charleston, SC: BookSurge, LLC.
- Boba, R.** (2007). Crime mapping technique for assessing vulnerable targets for terrorism in local communities. In S. Chainey & L. Tompson (Eds). *Crime mapping case studies: From practice and research, Volume 1* (pp. 143 – 153). West Sussex, England: John Wiley & Sons, Ltd.

Reference Books, Research Reports, and Technical Articles

- Santos, R. B.,** & Santos, R. G. (2018). *Proactive policing and SmartForce™*. Greenwood Village, CO: Adventos.
- Santos, R. B.,** & Santos, R. G. (2017). *Crime pattern bulletin study: Results*. Greenwood Village, CO: Adventos.
- Santos, R. G., **Santos, R. B.,** Gregory, R., Cordero, L., Skinner, J., & Wiley, F. (2017). *Collaborative Reform Initiative: Technical Assistance Work Plan for Chester, PA Police Department*. Report to Office of Community Oriented Policing Services.
- Santos, R. G., **Santos, R. B.,** Gregory, R., Cordero, L., Skinner, J., & Wiley, F. (2017). *Collaborative Reform Initiative: An assessment of the Chester, PA Police Department*. Report to Office of Community Oriented Policing Services.
- Santos, R. B.,** & Santos, R. G. (2016). *5 Reasons to use an agency management system for disseminating crime analysis information*. Greenwood Village, CO: Adventos.
- Santos R. G., & **Santos, R. B.** (2015). Evidence-based policing, “What works” and Stratified policing, “How to make it work.” *Translational Criminology*, 8, 20-22

- Santos, R. B.,** & Santos, R. G. (2014). *An experimental test of offender-based strategies in residential burglary and theft from vehicle hot spots*. Final Report for Grant No. 2012-DB-BX-0002. Washington DC: Bureau of Justice Assistance, Smart Policing Initiative.
- Bruce, C., **Santos, R. B.,** & LeBlanc, J. (2014). *Definition and types of crime analysis* (White Paper 2014-02). Overland Park, KS: International Association of Crime Analysts.
- Morgan, K., Morgan, S. & **Santos, R. B.** (2014). *City crime rankings 2014-2015* Washington, DC: CQ Press. [All editions 2008-2014]
- Santos, R. B.,** Smith, A.W., Bruce, C., & Delaney, C. (2012). *Crime analysis education recommendations for colleges and universities* (White Paper 2012-02). Overland Park, KS: International Association of Crime Analysts.
- Boba, R.** (2011). *Institutionalization of problem solving, analysis, and accountability in the Port St. Lucie, FL Police Department*. Washington DC: Office of Community Oriented Policing Services.
- Boba, R.,** & Santos, R. G. (2011). *A police organizational model for crime reduction: Institutionalizing problem solving, analysis, and accountability*. Washington DC: Office of Community Oriented Policing Services.
- Delaney, C., Bruce, C., **Santos, R. B.,** & Rodriguez, E. (2011). *Crime pattern definitions for tactical analysis* (White Paper 2011-01). Overland Park, KS: International Association of Crime Analysts.
- Taylor, B. & **Boba, R.** (2011). *Guidebook for integrating crime analysis into patrol within a community policing context*. Washington DC: Office of Community Oriented Policing Services.
- Morgan, K., Morgan, S. & **Boba, R.** (2011). *State crime rankings 2010-2011*. Washington, DC: CQ Press. [Also previous editions: 2009 and 2010]
- Boba, R.** (2009). Port St. Lucie (Florida) Police Department: Problem analysis of single-family construction-site burglary and theft. In North Carolina State, *Institutionalizing problem analysis: Case studies of five police agencies* (pp. 6-38). Washington, DC: Office of Community Oriented Policing Services.
- Boba, R.,** & Santos, R. G. (2006). *Burglary at single family house construction sites. Problem-Oriented Policing Guide Series*. Washington DC: Office of Community Oriented Policing Services.
- Boba, R.** (2003). *Problem analysis in policing*. Washington DC: Police Foundation.

- Bair, S., **Boba, R.**, Fritz, N., Helms, D., & Hick, S. (Eds.). (2002). *Advanced crime mapping topics: Results of the first invitational Advanced Crime Mapping Topics Symposium*. Denver, CO: National Law Enforcement Corrections Technology Center.
- Boba, R.** & Price, J. (2002). Integrating systematic research and analysis into police practice. In Bair, S., Boba, R., Fritz, N., Helms, D., & Hick, S. (Eds.). *Advanced Crime Mapping Topics: Results of the First Invitational Advanced Crime Mapping Topics Symposium* (pp. 79-82). Denver, CO: National Law Enforcement Corrections Technology Center.
- Boba, R.**, Velasco, M., & Weisburd, D. (2002). *Winston-Salem/Police Foundation safe school partnership: Development of the Mapping and Analysis Program for School Safety (MAPSS) System*. Washington DC: National Institute of Justice, U.S. Department of Justice.
- Chapman, R., Baker, S., Bezdikian, V., Cammarata, P., Cohen, D., Leach, N., Schapiro, A., Scheider, M., Varano, R., & **Boba, R.** (2002). Local law enforcement responds to terrorism: lessons in prevention and preparedness. In the Series, *COPS Innovations: A Closer Look*. Washington DC: Office of Community Oriented Policing Services, U.S. Department of Justice.
- Lane, E., Lucera, J., & **Boba, R.** (2002). *Office of Community Oriented Policing Services domestic violence test site project: Inter-agency response to domestic violence in a medium sized city*. Washington DC: Office of Community Oriented Policing Services. U.S. Department of Justice.
- Boba, R.** (2001). *Introductory guide to crime analysis and mapping*. Washington DC: Office of Community Oriented Policing Services. U.S. Department of Justice.
- Velasco, M., Griffin, J., & **Boba, R.** (2001). *Crime analysis and mapping product templates*. Office of Community Oriented Policing Services. Washington DC: U.S. Department of Justice.
- Boba, R.** (2000). *Guidelines to implement and evaluate crime analysis and mapping in law enforcement*. Washington DC: Office of Community Oriented Policing Services. U.S. Department of Justice.
- Velasco, M., & **Boba, R.** (2000). *Manual of map production*. Washington DC: Office of Community Oriented Policing Services. U.S. Department of Justice.
- Velasco, M. & **Boba, R.** (2000). Tactical crime analysis and geographic information systems: Concepts and examples. *Crime Mapping News*, 2(2) 1-4.
- Weisburd, D., **Boba, R.**, Hamilton, E., Farrell, G., & Greenspan, R. (2000). *Differential seat belt enforcement: A review and empirical study*. Washington DC: National Highway Traffic Safety Administration. U.S. Department of Transportation.

GRANTS

- 2019-2022 **Regional Multi-Agency Collaboration: Implementation of Information Sharing Technology for Offender-Focused Strategies in the Roanoke Valley, VA.** 500,000 US Department of Justice, Bureau of Justice Assistance, Strategies for Police Innovation. (Roanoke, VA Police Department; Dr. Rachel Boba Santos and Dr. Roberto Santos, Research Partners). For a description see, <https://www.radford.edu/content/chbs/home/police-practice/research-projects/evidence-based.html>
- 2020-2021 **Proactive Police Response to Prevent Domestic Violence and Increase Victim Safety in Danville, VA.** \$100,000 US Department of Justice, Office of Community-Oriented Policing Services. (Danville, VA Police Department; Dr. Rachel Boba Santos and Dr. Roberto Santos, Research Partners). For a description see, <https://www.radford.edu/content/chbs/home/police-practice/research-projects/evidence-based.html>
- 2019-2021 **Translating Best Practices: Developing a Framework for Institutionalizing Community Policing by Rank.** US Department of Justice, Office of Community Policing Services. \$135,000. (Dr. Rachel Boba Santos and Dr. Roberto Santos, Co-Principal Investigators). For a description see: <https://www.radford.edu/content/chbs/home/police-practice/research-projects/police-practice-based.html>
- 2018-2019 **Stratified Policing: Agency Assessment and Training.** Awarded by State of Delaware, Criminal Justice Council, to the Delaware State Police (Byrne/Justice Assistance Grant). \$74,000. (Dr. Rachel Boba Santos and Dr. Roberto Santos, Co-Principal Investigators).
- 2017-2018 **Implementation of Evidence-Based Policing Strategies and Crime Analysis in Rural Police Departments in Southwest Virginia.** Awarded by Virginia Department of Criminal Justice to Galax, VA Police Department/Radford University. (Byrne/Justice Assistance Grant). \$125,000. (Radford University, Dr. Rachel Boba Santos and Dr. Roberto Santos, Co-Principal Investigators, Radford Portion: \$106,148).
- 2015-2017 **Development of Stratified Policing and Crime Reduction Education for Agency Management Systems.** Adventos. \$110,000 (Dr. Rachel Boba Santos and Dr. Roberto Santos, Co-Principal Investigators).
- 2015-2016 **Development of Stratified Policing, Crime Analysis, and Crime Reduction Education for Agency Management Systems.** Adventos. \$55,000 (Dr. Rachel Boba Santos and Dr. Roberto Santos, Co-Principal Investigators).

RACHEL BOBA SANTOS, PHD

- 2012-2016 **Law Enforcement Micro Grants for Community Policing Incubation.** Awarded to the Greensboro, NC Police Department by the Office of Community Policing Services. \$49,648. (Dr. Rachel Boba Santos, Research Partner).
- 2013-2015 **Increasing Analytical Capacity: Training for the Law Enforcement Executive.** Awarded by Bureau of Justice Assistance to the Police Foundation \$299,871 (Dr. Rachel Boba Santos, Co-Principal Investigator with Dr. Laura Wyckoff (University of Maryland College Park, Jim Bueermann (Police Foundation), and Susan Smith of the International Association of Crime Analysts).
- 2012-2014 **Experimental Test of Offender-Based Police Response in Long-Term Property Crime Hot Spots In Port St. Lucie, FL.** Awarded by Bureau of Justice Assistance, Smart Policing Initiative, to the Port St. Lucie, FL Police Department. \$272,342. (Dr. Rachel Boba Santos, Florida Atlantic University, Research Partner).
- 2008 to 2013 **Implementing CompStat and Crime Analysis in Maryland Police Agencies.** Awarded by the State of Maryland Governor's Office of Crime Control and Prevention, to the University of Maryland, Institute for Governmental Service and Research. \$1,101,612 (Dr. Rachel Boba Santos, Co-Principal Investigator with Dr. Laura Wyckoff and Dr. Jeanne Bilanin, University of Maryland).
- 2007-2011 **Institutionalizing Problem Solving, Analysis, and Accountability: Evaluation, Guidebook, and Training Module.** Awarded by the Office of Community-Oriented Policing Services, Award. \$87,844. (Dr. Rachel Boba, Principal Investigator, FAU).
- 2008 **COPS Applied Research Focus Group.** Awarded by the Office of Community-Oriented Policing Services, \$10,000. (Dr. Rachel Boba, Principal Investigator, FAU).
- 2007-2011 **Integrating Crime Analysis into Patrol Work within a Community Policing Context.** Awarded by the Office of Community-Oriented Policing Services, Award. \$369,783. (Dr. Rachel Boba, Co-Principal Investigator FAU with Dr. Bruce Taylor of the Police Executive Research Forum (PERF)).
- 2003-2005 **The Enhancement of Community Policing: Institutionalizing Problem Analysis.** Awarded by the Office of Community-Oriented Policing Services, \$489,909. (Dr. Rachel Boba, Co-Principal Investigator FAU with Dr. Deborah Weisel, Rana Sampson, Michael Scott, North Carolina State University).
- 2002-2004 **Research Partner: East Valley COMPASS Initiative.** Awarded by the National Institute of Justice, \$275,000. (Dr. Rachel Boba, Principal Investigator, Police Foundation; Co-Principal Investigators Dr. David Weisburd, University of Maryland and Dr. James Meeker, University of California Irvine).

RACHEL BOBA SANTOS, PHD

- 2000-2003 **The Police Foundation Crime Mapping Laboratory: Enhancing Community Policing and Problem Solving Through Problem Analysis, Crime Analysis, and Crime Mapping.** Awarded by Office of Community Oriented Policing Services Award. \$840,000 (Dr. Rachel Boba, Principal Investigator, Police Foundation).
- 2000-2002 **The Winston-Salem/Police Foundation Safe Schools Partnership.** Awarded by the National Institute of Justice. \$258,039. (Dr. Rachel Boba, Principal Investigator, Police Foundation).

INVITED PRESENTATIONS¹

- 2020 April: Stratified Policing: An Organizational Model for Proactive Crime Reduction. **President's Commission on Law Enforcement and the Administration of Justice: Social Problems Working Group**, Department of Justice, Office of Community Policing Services. Virtual.
- 2019 July: Stratified Policing: An Organizational Model for Proactive Crime Reduction. **Florida Sheriff's Association Summer Conference**, Tampa, FL.
- 2019 June: The Promising Future of Crime Analysis in Effective Policing. **International Association of Crime Analysts: International Symposium**, Calgary, AL.
- 2018 November: Measuring Organizational Systems for Problem Solving. **28th Annual Problem-Oriented Policing Conference**, Providence, RI.
- 2018 September: Evidence-Based Crime Reduction and Stratified Policing. **2018 Virginia Chief of Police Annual Training Conference**, Roanoke, VA.
- 2018 August: Introduction to Stratified Policing. **SmartForce™ Command Academy Conference**, Breckenridge, CO.
- 2018 August: Operationalizing Stratified Policing. **SmartForce™ Command Academy Conference**, Breckenridge, CO.
- 2018 Results from a Blind Random Controlled Trial Testing Police Response in Micro-Time Hot Spots. **Environmental Criminology and Crime Analysis Conference**, Elche, Spain.
- 2018 Predictive Policing: Where's The Evidence? **Environmental Criminology and Crime Analysis Conference**, Elche, Spain.
- 2017 Crime Analysis and Crime Reduction. Presentation hosted by the **Roanoke County, VA Police Department** through BJA Smart Policing Initiative.

¹ These presentations were competitive and/or were invite only. Some or all expenses for travel and conference fees were paid by the conference/organization.

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- 2017 The Role of Crime Analysis in Effective Policing Approaches to Crime Reduction. **23rd Annual Massachusetts Association of Crime Analyst Conference, Hyannis, MA.**
- 2017 Crime Analysis for Managers. **23rd Annual Massachusetts Association of Crime Analyst Conference, Hyannis, MA.**
- 2017 Stratified Policing. Presentation to the **Roanoke, VA Police Department.**
- 2016 Measuring Organizational Systems for Problem Solving (1.5 hours). **26th Annual Problem-Oriented Policing Conference, Tempe, AZ.**
- 2016 Stratified Policing: Institutionalizing Crime Analysis (1.5 hours) **Tennessee Association of Law Enforcement Analyst. Conference, Oak Ridge, TN.**
- 2016 How to Identify Meaningful Patterns. (1.25 hours) **Tennessee Association of Law Enforcement Analyst. Conference, Oak Ridge, TN.**
- 2016 Constructing Action-Oriented Pattern Bulletins. (1.25 hours) **Tennessee Association of Law Enforcement Analyst. Conference, Oak Ridge, TN.**
- 2016 Introduction to Stratified Policing. (2.5 hours) **Southern Police Institute Alumni Association Conference, Miramar Beach, FL.**
- 2016 Elements of Stratified Policing. (2.5 hours) **Southern Police Institute Alumni Association Conference, Miramar Beach, FL.**
- 2016 Panel discussion: Leading Stratified Policing. (1.5 hours) **Southern Police Institute Alumni Association Conference, Miramar Beach, FL.**
- 2015 Stratified Policing: Implementing and Sustaining Problem Solving in a Police Organization. (1.5 hours). **25th Annual Problem-Oriented Policing Conference, Portland, OR.**

- 2015 Impact of Offender-Based Police Response in Property Crime Hot Spots on Crime and Offenders: Results from an RCT (1.25 hours). **International Association of Crime Analysts Annual Conference: National Institute of Justice Research Track, Denver, CO**

- 2014 Increasing Crime Analysis Capacity in Your Agency: Discussing the Importance, Feasibility, Challenges, Tools and Processes.(1.5 hours) **International Association of Chiefs of Police Annual Conference. Orlando, FL.**

- 2014 Increasing Crime Analysis Capacity in Police Agencies Nationally: A Police Foundation and IACA Partnership (1.25 hours). **International Association of Crime Analysts Annual Training Conference, Bellevue, WA.**

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- 2014 WORKSHOP: Hot Spots Experiments, General Recommendations and Case Study Results (1.25 hours). **International Association of Crime Analysts Annual Training Conference (National Institute of Justice, Crime Mapping and Research Track)**, Bellevue, WA.
- 2014 An Organizational Model for Implementing Evidence-Based Crime Reduction Developed Through Police/Researcher Partnerships (30 minutes), **Florida Police Chiefs Association 2014 Summer Training Conference & Exposition**, Boca Raton, FL.
- 2014 The Effectiveness of Crime Analysis for Crime Reduction: Cure or Diagnosis? (30 minutes) **2014 CEBCP Annual Symposium on Evidence-Based Crime Policy, George Mason University**, Arlington, VA.
- 2013 Implementing an Organizational Model for Problem Solving: Greensboro, NC. (1.5 hours), **24th Annual Problem-Oriented Policing Conference**, Dayton, OH.
- 2013 Spatial Analysis for an Experiment Testing Offender-Based Strategies in Property Crime Hot Spots (1.25 hours). **International Association of Crime Analysts and National Institute of Justice Joint Conference**, Ft. Lauderdale, FL.
- 2013 Ideas in American Policing Series: Translating Research into Practice: A Police Organizational Model for Crime Reduction and Effectiveness of Police Response to Micro-Time Hot Spots (2 hours). **Police Foundation**, Washington DC.
- 2012 Integration of Crime Analysis into Patrol Work (1.25 hours). **23rd Annual Problem-Oriented Policing Conference**, Providence, RI.
- 2012 Crime analysis typology (1.25 hours). **International Association of Crime Analysts Annual Training Conference**, Henderson, NV.
- 2012 Fusion Center and Local Crime Analysis Work (1.25 hours). **International Association of Crime Analysts Annual Training Conference**, Henderson, NV.
- 2012 Executive Session: Crime Reduction Best Practices (1.5 hours). **Palm Beach County Sheriff's Office**, West Palm Beach, FL.
- 2012 Chiefs, Sheriffs, and Command Staff Seminar: Advanced CompStat Practices (4 hours). **Maryland State Police**, Hanover, MD.
- 2011 Integrating Problem Solving, Analysis, and Accountability into your Agency (1.5 hours). **22nd Annual Problem-Oriented Policing Conference**. Center for Problem Oriented Policing. Miami, FL.
- 2011 Recommendations and Innovative Products for Integrating Crime Analysis and Crime Mapping into Patrol (1.25 hours). **National Institute of Justice, 11th Crime Mapping Research Conference**, Miami, FL.

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- 2010 Chiefs, Sheriffs, and Command Staff Seminar: Advanced CompStat Practices (4 hours). **State of Maryland, Governor's Office of Crime Control and Prevention**, Hanover, MD.
- 2009 Overview of the COMPSTAT on Demand Project. (30 minutes) **Maryland Governor's Office of Crime Control and Prevention Research**, Annapolis MD.
- 2009 Chiefs, Sheriffs, and Command Staff Seminar: Advanced CompStat Practices (4 hours). **State of Maryland, Governor's Office of Crime Control and Prevention**, Dundock, MD.
- 2008 Developing a Strategic Plan for Your Crime Analysis Unit (1.25 hours). **International Association of Crime Analysts Annual Conference**, St. Petersburg Beach, FL.
- 2008 The Role of Analysis in an Integrated Model for Problem-Oriented Policing: Rethinking Problem Identification, Analysis, and Accountability (1.25 hours). **International Association of Crime Analysts Annual Conference**, St. Petersburg Beach, FL.
- 2008 Identifying Meaningful Patterns for Police (1.25 hours). **International Association of Crime Analysts Annual Conference**, St. Petersburg Beach, FL.
- 2008 Mainstreaming Problem-Oriented Policing in a Police Agency (1.5 hours). **19th Annual Problem-Oriented Policing Conference**, Bellevue, WA.
- 2008 What You Need to Know About Crime Analysis to Do Problem-Solving (1.5 hours), **19th Annual Problem-Oriented Policing Conference**, Bellevue, WA.
- 2006 Crime Analysis, (1.5 hours) **Intelligence and Crime Analysis Teams (ICAT) Training Conference, New York Department of Justice**, Saratoga Springs, NY.
- 2006 Analysts' Hot Ideas and Bulldozing Construction Site Burglary: Port St. Lucie (FL) Police Department Herman Goldstein International Policing Award Finalist (1.5 hours), **17th Annual Problem-Oriented Policing Conference**, Madison WI.
- 2006 Introduction to Problem Analysis, (1.5 hours) **Florida Association of Crime and Intelligence Analysts**, Orlando, FL.
- 2005 Getting the Best Out of Crime Analysis: Lessons for Police Leaders and Managers (1.5 hours), **16th Annual Problem-Oriented Policing Conference**, Charlotte, NC.
- 2005 What is Problem Analysis? Implementing Problem Analysis into a Law Enforcement Agency (1.5 hours). **International Association of Crime Analysts Annual Conference**, Alexandria, VA.
- 2005 Case Study: Construction Site Burglary and Theft (1.5 hours). **International Association of Crime Analysts Annual Conference**, Alexandria, VA.

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- 2005 The Role of Geographic Information Systems (GIS) in the Institutionalization of Analysis in Policing, (2 hours) **National Institute of Justice, International Crime Mapping Research Conference**, Savannah, GA.
- 2005 The Role of GIS in the Institutionalization of Analysis in Policing Workshop (1.5 hours). **National Institute of Justice, International Crime Mapping Research Conference**, Savannah, GA.
- 2004 Crime Analysis for Problem Solvers: Part I (1.25 hours). **15th Annual Problem-Oriented Policing Conference**, Charlotte, NC.
- 2004 Problem Analysis for Managers (2 hour workshop), **New Zealand Police**, Wellington, New Zealand.
- 2004 Incorporating Problem Analysis into Policing (1.25 hours). **Annual Office of Community-Oriented Policing Services Conference**, Washington DC.
- 2004 Geographic Analysis of Auto Theft Risk (chair and discussant) (2 hours), **National Institute of Justice, International Crime Mapping Research Conference**, Boston, MA.
- 2004 Problem Analysis and Crime Mapping Workshop (1.5 hours), **National Institute of Justice, International Crime Mapping Research Conference**, Boston, MA.
- 2003 Problem Analysis in Policing (1.5 hour workshop), **International Association of Crime Analysts Annual Training Conference**, Kansas City, MO.
- 2003 Interpreting Crime Statistics (1.5 hour workshop), **International Association of Crime Analysts Annual Training Conference**, Kansas City, MO.
- 2003 Conducting Community Surveys (2 hour workshop), **International Association of Crime Analysts Annual Training Conference**, Kansas City, MO.
- 2003 Problem Analysis in Policing Workshop (2 hours workshop), **Annual Problem-Oriented Policing Conference**, San Diego, CA.
- 2003 Scientific Chair and Moderator, Crime Mapping Section, (8 hours). **Third Annual European Academy of Forensic Sciences Meeting**, Istanbul, Turkey.
- 2003 Crime Analysis through Computer Mapping Workshop (8 hours). **Third Annual European Academy of Forensic Sciences Meeting**, Istanbul, Turkey.
- 2003 Analysis and Mapping for Policing in the United States (key note speaker) (1 hour), **European Police College (CEPOL), Seminar: Crime Analysis and Strategic Planning, Police College of Finland**, Espoo, Finland.
- 2003 Problem Solving with Crime Analysis Data, (1.5 hours) **Massachusetts Association of Crime Analysts**, Hyannis, MA.

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- 2003 Crime Mapping and Homeland Security, (1.5 hours) **International Association of Law Enforcement Analysts**, Boston, MA.
- 2002 Winston-Salem/Police Foundation Safe Schools Partnership & the MAPSS System, (1.5 hours) **National Institute of Justice, International Crime Mapping Research Conference**, Denver, CO.
- 2002 Crime Analysis, Research, and Problem Analysis (1.5 hours), **13th Annual Problem-Oriented Policing Conference**, San Diego, CA.
- 2002 Crime Mapping and Homeland Security, (1.5 hours) **International Association of Crime Analysts**, Orlando, FL.
- 2002 Crime Analysis, Research, and Problem Analysis, (1.5 hours) **International Association of Crime Analysts**, Orlando, FL.
- 2001 Mapping with S.A.R.A., (1.5 hours) **International Association of Law Enforcement Planners Annual Conference**, Kansas City, MO.
- 2000 Crime Analysis and the Web, (1.5 hours) **International Association of Crime Analysts**, Denver, CO.
- 2000 Regional Crime Analysis Associations, (1.5 hours) **International Association of Crime Analysts**, Denver, CO.
- 2000 Safe Schools, (2 hours) **National Institute of Justice International Crime Mapping Conference**, San Diego, CA.
- 1997 New Innovations in Crime Analysis, (chair and discussant) (3 hours) **International Association of Crime Analysts Annual Conference**, Milwaukee, WI.

ACADEMIC, GRANT RELATED, and COMMUNITY PRESENTATIONS²

- 2017 Evidence-Based Policing and Organizational Change: Findings from Three Police Departments. With Dr. Roberto Santos, Radford University. **American Society of Criminology Conference**, Philadelphia, PA.
- 2017 Use of Force, Crime Reduction, and Community Engagement: Methods and Results of Assessment and Evaluation in Police Departments. With Dr. Roberto Santos, Radford University. **American Society of Criminology Conference**, Philadelphia, PA.
- 2017 Measuring Organizational Change for the Implementation of Evidence-Based Policing Practices. With Dr. Roberto Santos, Radford University. **Academy of Criminal Justice Sciences Conference**. Kansas City, MO.

² These presentations were either done as part of the requirements of a grant project, in front of a large community audience, or were at an academic conference that required a submission of an abstract, but were not competitive. Expenses were paid by the grant or presenter.

- 2016 Comparing Directed Patrol and Offender and Citizen Contacts in Micro-Time Hot Spots: Blind RCT Results. With Dr. Roberto Santos, Radford University. **American Society of Criminology Conference**, New Orleans, LA.
- 2016 Offender Perceptions of a Police Response in Long-Term Property Crime Hot Spots. With Dr. Roberto Santos, Radford University. **American Society of Criminology Conference**, New Orleans, LA.
- 2016 Examining Relationships Among Crime Analysis Integration, Evidence-based Practice and Accountability in Police Agencies. With Justin Smith, Ph.D. Student University of Florida. **American Society of Criminology Conference**, New Orleans, LA.
- 2016 Deconstructing the “Ferguson Effect.” **Florida Atlantic University Jupiter LifeLong Learning Society One-Time Performance**. Jupiter, FL.
- 2015 A Blind Randomized Controlled Trial: Testing Police Response in Property Micro-Time Hot Spots. Thematic Panel: Crime and Place: Policing Place. With Dr. Roberto Santos, Port St. Lucie Police Department. **American Society of Criminology Conference**, Washington DC.
- 2015 Testing the Suitability and Accuracy of Predictive Policing in Latin America. Thematic Panel: Crime and Place: Policing Place. With Dr. Laura Jaitman, Inter-American Development Bank and Dr. Roberto Santos, Port St. Lucie Police Department. **American Society of Criminology Conference**, Washington DC.
- 2015 Panel: Smart Policing in Action 1: Finding and Accomplishments from the Smart Policing Initiative Presentation: Port St. Lucie SPI: Offender-Based Police Response in Long-Term Property Crime Hot Spots: Results from Offenders. **Academy of Criminal Justice Sciences Conference**. Orlando, FL.
- 2015 Roundtable: Making Smart Policing Happen: Facing Challenges in Police Agency Organizational Change. **Academy of Criminal Justice Sciences Conference**. Orlando, FL.
- 2015 Panel Chair: Florida Atlantic University Graduate Students Presentations. **Academy of Criminal Justice Sciences Conference**. Orlando, FL.
- 2014 Experimental Test of Offender - Based Police Response in Long-Term Property Crime Hot Spots, **School of Criminology and Criminal Justice Research Series: Florida Atlantic University**, Boca Raton, FL
- 2014 Crime in Everyday Life: Myths and Facts. **Palm Beach County Library Book Life Event**, Boca Raton, FL
- 2014 Understanding Crime in Everyday Life. **Florida Atlantic University**, “Coffee with a Professor,” Jupiter, FL.

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- 2013 Offender-Focused Hot Spots Policing. **Bureau of Justice Assistance Smart Policing Initiative Peer-to-Peer Assistance Meeting**, West Palm Beach, FL.
- 2013 The Integration of Crime Analysis into Police Patrol Work: Results from a National Survey of Law Enforcement Agencies. **Environmental Criminology and Crime Analysis Conference**, Philadelphia, PA.
- 2013 Offender-Focused Hot Spots Policing. **Bureau of Justice Assistance Smart Policing Initiative Annual Conference, Phase IV Sites**. Alexandria, VA.
- 2013 Sustainability: Crime Reduction Best Practices (1.5 hours). **Bureau of Justice Assistance Smart Policing Initiative Annual Conference, Phase IV Sites**. Alexandria, VA.
- 2011 Police Organizational Model for Crime and Disorder Reduction. Session: Using Analysis to Enhance Responses to Your Community (1.25 hours). **2011 National Community Policing Conference: Advancing Public Safety in a New Economy**. Office of Community Oriented Policing Services, Washington DC.
- 2006 Institutionalizing Problem Solving, Analysis, and Accountability: A Case Study of Port St. Lucie, FL, **14th International Symposium on Environmental Criminology and Crime Analysis**, Chilliwack, British Columbia, Canada.
- 2004 The Enhancement of Community Policing: Institutionalizing Problem Analysis, **12th International Symposium on Environmental Criminology and Crime Analysis**, Wellington, New Zealand.
- 2003 Problem Analysis in Policing, **11th International Symposium on Environmental Criminology and Crime Analysis**, Cincinnati, OH.
- 2003 Regional Data Sharing: East Valley COMPASS, **Association of Geographic Information, Crime and Disorder Special Interest Group**, Birmingham, England.
- 2003 Crime Mapping and Homeland Security, **Working Together for Safer Communities, Annual Office of Community-Oriented Policing Services Conference**, Washington DC.
- 2003 Problem Analysis Training, **Working Together for Safer Communities, Annual Office of Community-Oriented Policing Services Conference**, Washington DC.
- 2002 Mapping Intimate Violence, **American Society of Criminology Conference**, Chicago, IL.
- 2002 Crime Analysis, Crime Mapping, and Problem Analysis, **Academy of Criminal Justice Sciences Conference**, Anaheim, CA.
- 2002 Crime Mapping and Problem Solving, **Project Safe Neighborhoods Annual Conference**, Philadelphia, PA.

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- 2002 COMPASS: Lessons Learned, **National Institute of Justice’s Research and Evaluation Conference**, Washington DC.
- 2002 Moving Crime Analysis to Problem Analysis, **Annual Office of Community Oriented Policing Services Conference**, Washington DC.
- 2002 Crime Mapping and Homeland Security, **Annual Office of Community Oriented Policing Services Conference**, Washington DC.
- 2001 Trends and Examples of Crime Analysis and Crime Mapping, **American Society of Criminology Conference**, Atlanta, GA.
- 2001 Crime Mapping and Policing Research, (chair and discussant) **American Society of Criminology Conference**, Atlanta, GA.
- 2001 Crime Analysis Mapping in Law Enforcement, **Policing Research Group Lecture Series**, University of Maryland College Park, College Park, MD.
- 2000 Jersey City/Police Foundation Safe Schools Partnership, **National Institute of Justice Research and Evaluation Conference**, Washington DC.
- 2000 Differential Seat Belt Enforcement: A Multi-Jurisdictional Study, **American Society of Criminology Conference**, San Francisco, CA.

CONSULTING ACTIVITIES

- 2019 to pres Stratified Policing Subject Matter Expert
Portsmouth, VA Police Department
With Dr. Roberto Santos, conduct a needs assessment and provide a comprehensive recommendations, organizational plan, and training to implement Stratified Policing. Conduct ongoing technical assistance and development of train-the-trainer program for Stratified Policing and advanced problem solving, crime analysis, and crime reduction training.
- 2019 to pres Stratified Policing Subject Matter Expert
Washoe County, NV Sheriff’s Office
With Dr. Roberto Santos, conduct a needs assessment and provide a comprehensive recommendations, organizational plan, and training to implement Stratified Policing. Conduct ongoing technical assistance and development of train-the-trainer program for Stratified Policing and advanced problem solving, crime analysis, and crime reduction training.
- 2019 to pres Stratified Policing Subject Matter Expert
Matthews, NC Police Department
With Dr. Roberto Santos, conducted an assessment and recommendations for implementation of Stratified Policing. Funded through Bureau of Justice Assistance, National Training and Technical Assistance Program.

RACHEL BOBA SANTOS, PHD

- 2019 to pres Subject Matter Expert for Police Executive Research Forum
Topeka, KS Police Department
Assist PERF team in crime analysis and data to understand and create a response to non-fatal shootings in Topeka, KS. Work closely with the TPD to develop an approach that can be duplicated in other agencies. .
- 2019 to pres Subject Matter Expert
Fort Myers, FL Police Department
With Dr. Roberto Santos, conduct a needs assessment and provide comprehensive recommendations, organizational plan, and training to implement Stratified Policing.
- 2018 to pres. Subject Matter Expert
Danville, VA Police Department
With Dr. Roberto Santos, conduct a needs assessment and provide a comprehensive recommendations, organizational plan, training (of all ranks) and in depth assistance to implement Stratified Policing.
- 2019 to 2020 Subject Matter Expert
Putnam County, FL Sheriff's Office
With Dr. Roberto Santos, conduct a needs assessment and provide comprehensive recommendations, organizational plan, and training to implement Stratified Policing.
- 2019 to 2020 Stratified Policing Subject Matter Expert
Richmond County, GA School System Police Department
With Dr. Roberto Santos, provide recommendations, organizational plan, and training to implement Stratified Policing.
- 2018 to 2020 Stratified Policing Subject Matter Expert
Delaware State Police
With Dr. Roberto Santos, conduct a needs assessment and provide a comprehensive recommendations, organizational plan, and training to implement Stratified Policing. Conduct ongoing technical assistance and development of train-the-trainer program for Stratified Policing and advanced problem solving, crime analysis, and crime reduction training.
- 2017 to 2019 Advisory Board Member
SAGE Publications
Provide insights into the needs of researchers and students to assist SAGE in improving their four statistical collections on U.S. Political Stats and SAGE Stats platforms and serving the academic and research community.

RACHEL BOBA SANTOS, PHD

- 2016 to 2018 Police Subject Matter Expert
Institute for Intergovernmental Research, Office of Community-Oriented Policing Services, Collaborative Reform Initiative: Chester, PA Police Department
Serve as a subject matter expert with a team of law enforcement researchers and practitioners to assess the police department's use of force practices, crime reduction strategies, training and relationships with the community. On behalf of the COPS Office, the team issues a series of findings and recommendations that is consistent with best practices in policing. The team then monitors the agency's progress toward addressing the recommendations over a period of 18 months to ensure the changes are sustained.
- 2018 Stratified Policing Subject Matter Expert
Harrisonburg, VA Police Department
With Dr. Roberto Santos, provide recommendations to implement Stratified Policing (organizational change, problem solving, crime analysis, and accountability) and conduct 1-day training. Continue technical assistance.
- 2015 to 2018 Crime Analysis Subject Matter Expert
Institute for Intergovernmental Research, Bureau of Justice Assistance
Serve as subject matter expert for "Crime Analysis Capability Project" funded by Bureau of Justice Assistance. Oversee project design and implementation of three separate grants awarded to one medium sized-agency, one real time crime center, and on regional initiative as well as monitoring their progress and developing a "Crime Analysis Toolkit" for BJA.
- 2014 to 2017 Stratified Policing Subject Matter Expert
Walton County, FL Sheriff's Office
With Dr. Roberto Santos, conduct a needs assessment and provide a comprehensive recommendation and organizational plan to implement Stratified Policing. Monitor progress and assist in implementation. Conduct Stratified Policing and crime analysis training.
- 2017 Subject Matter Expert
Salisbury, NC Police Department
With Dr. Roberto Santos, conduct an organizational survey and provide recommendations to implement Stratified Policing.
- 2017 Subject Matter Expert
San Mateo CA, County Sheriff's Office
With Dr. R Roberto Santos, conduct a needs assessment and provide a comprehensive recommendation, organizational plan, and training to implement Stratified Policing .

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- 2017 Subject Matter Expert
CNA, Bureau of Justice Assistance, Smart Policing Initiative, Roanoke County Police Department and George Mason University.
Serve as subject matter expert for the SPI project funded by Bureau of Justice Assistance. Work with police department to define and download calls for service and crime data for evaluation. Assist with crime analysis capabilities.
- 2014-2015 Policing Subject Matter Expert
Montevideo, Uruguay Police Department (Inter-American Development Bank)
With Dr. Roberto Santos, design treatment for experimental test of PredPol software with funding from the Inter-American Development Bank (Washington, DC). Design protocol for response to various subtypes of crime and make recommendations for overall improvement for crime reduction strategies and accountability practices.
- 2014 Stratified Policing Subject Matter Expert
Smyrna, GA Police Department
With Dr. Roberto Santos, conduct a needs assessment and provide a comprehensive recommendation and organizational plan to implement Stratified Policing.
- 2014 Crime Analysis Subject Matter Expert
Seattle, WA Police Department
Provide technical assistance for data-driven strategies and crime analysis.
- 2014 Stratified Policing and Problem-Oriented Policing Subject Matter Expert
Dayton, OH Police Department
With Dr. Roberto Santos, conduct a needs assessment and provide a comprehensive recommendation and organizational plan to implement Stratified Policing.
- 2014 Stratified Policing and Crime Analysis Subject Matter Expert
Greensboro, NC Police Department
Produce, with Peter Belmio, a Neighborhood Policing Strategic Plan for Chief Miller.
- 2012-2013 Crime Analysis Subject Matter Expert
Palm Beach Sheriff's Office, West Palm Beach, FL
Develop Fusion Center model of organization and products; assist with developing plan for ILP and Stratified Policing implementation.
- 2011 Police Subject Matter Expert
Fortune 500 Company
Conduct literature review and provide advice on police effectiveness and use of technology and analysis.

- 2009 Problem-Oriented Policing Subject Matter Expert
Miami, FL Police Department
Conducted review and needs assessment of problem solving unit with Center for Problem-Oriented Policing.
- 2006 – 2007 Stratified Policing and Crime Analysis Subject Matter Expert
Ft. Pierce, FL Police Department
Conducted needs assessment. Assistance in training and implementation of integrated model of problem solving, analysis, and accountability.
- 2003 – 2005 Crime Analysis and Mapping Subject Matter Expert
National Police Foundation
Assistance with crime mapping and problem analysis laboratory work, principal investigator of the COMPASS grant, consultant on a records management assessment grant.
- 1999 – 2000 Crime Analysis Subject Matter Expert
Motorola Public Safety Systems
Assisted in the development of crime analysis information systems focusing on statistical and mapping capabilities. Reviewed documents and software products for relevance in crime analysis/law enforcement environment.
- 1999 – 2000 Crime Analysis Subject Matter Expert
Bair Analytics
Developed and provided crime analysis training and consulting services for law enforcement agencies.

POLICE AND CRIME ANALYSIS TRAINING CONDUCTED

- 2020 Training: Long-Term Problem Solving. (4 hours: 30 participants) *Portsmouth, VA Police Department*, August.
- 2020 Training: Stratified Policing. (4 hours: 200 participants) *Portsmouth, VA Police Department*, July/August.
- 2020 Training: Stratified Policing for Commanders. (8 hours: 30 participants) *Portsmouth, VA Police Department*, July.
- 2020 Training: Crime Analysis for Stratified Policing. (8 hours: 5 participants) *Portsmouth, VA Police Department*, July.
- 2020 Training: Crime Analysis for Stratified Policing. (8 hours: 12 participants) *Matthews, NC Police Department*, February.

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- 2019 Training: Crime Analysis for Stratified Policing. (16 hours: 15 participants) *Fort Myers, FL Police Department*, September.
- 2019 Training: Stratified Policing: Long-Term Problem Solving. (8 hours: 15 participants) *Danville, VA Police Department*, September.
- 2019 Training: Crime Analysis for Stratified Policing. (16 hours: 10 participants) *Delaware State Police*, August.
- 2019 Training: Stratified Policing Accountability Training. (8 hours: 20 participants) *Richmond County, GA School District Police Department*, July.
- 2019 Training: Stratified Policing. (8 hours: 2 sessions: 35 participants) *Richmond County, GA School District Police Department*, July.
- 2019 Training: Stratified Policing for Supervisors and Deputies. (16 hours: 2 sessions: 40 participants) *Putnam County, FL Sheriff's Office*, June.
- 2019 Training: Stratified Policing for Police Commanders. (8 hours: 25 participants) *Fort Myers, FL Police Department*, June.
- 2019 Training: Stratified Policing for Supervisors and Officers. (8 hours: 25 participants) *Danville, VA Police Department*, June.
- 2019 Training: Stratified Policing for Executive Staff. (4 hours: 5 participants) *Delaware State Police*, June.
- 2019 Train-the-Trainer: Stratified Policing. (16 hours: 25 participants) *Delaware State Police*, June.
- 2019 Training: Stratified Policing for Supervisors and Officers. (8 hours: 25 participants) *Danville, VA, Police Department*, May.
- 2019 Training: Crime Analysis for Stratified Policing (8 hours: 4 participants) *Danville, VA, Police Department*, May.
- 2019 Training: Stratified Policing for Police Commanders. (8 hours: 15 participants) *Danville, VA, Police Department*, April.
- 2019 Training: Stratified Policing for Police Commanders. (8 hours: 20 participants) *Putnam County, FL Sheriff's Office*, April.
- 2019 Training: Crime Analysis for Stratified Policing. (6 hours: 4 participants) *Putnam County, FL Sheriff's Office*, April.

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- 2019 Training: Stratified Policing and Problem Solving for Police Commanders. (8 hours: 2 sessions: 25 participants) *Delaware State Police*, March.
- 2019 Training: Stratified Policing for First-Line Supervisors. (8 hours: 2 sessions: 75 participants) *Delaware State Police*, February and March.
- 2018 Training: Evidence-Based Policing and Stratified Policing. (8 hours: 55 participants) *Harrisonburg, VA Police Department*, May.
- 2018 Training: Evidence-Based Policing and Stratified Policing. (8 hours: 20 participants) *Chester, PA Police Department*, April.
- 2018 Workshop: Stratified Policing Implementation (5 hours: 4 sessions: 22 participants, four agencies) *Radford University*, March.
- 2018 Training: Evidence-Based Policing and Stratified Policing. (6 hours: 4 sessions: 92 participants, 15 agencies) *Galax, Radford, Pulaski, VA Police Departments*, January through March.
- 2017 Chiefs Seminar: Evidence-Based Policing and Stratified Policing for Agencies in Southwest Virginia. (4 hours: 25 participants total) *New River Valley Training Academy, Dublin, VA*. December.
- 2017 Training: Evidence-Based Policing and Stratified Policing. (4 hours: 50 participants total) *Salisbury, NC Police Department*, August.
- 2017 Training: Crime Analysis for Stratified Policing. (16 hours: 10 participants total) *Walton County, FL Sheriff's Office*, August.
- 2017 Training: Evidence-Based Policing and Stratified Policing. (8 hours: 50 participants total) *San Mateo County Sheriff's Office*, June.
- 2017 Training: Evidence-Based Policing and Stratified Policing. (8 hours: 2 session: 50 participants total) *Walton County, FL Sheriff's Office*, May.
- 2016 Webinar: Micro-Time Hot-Spots Policing: Effective Tactical Crime Reduction. (2 hours: 120 participants) *Adventos*.
- 2016 Training: Community Engagement and Crime in Everyday Life (8 hours: 40 participants) *Greensboro, NC Police Department*, April.
- 2016 Training: Stratified Policing Implementation (8 hours; 2 sessions; 60 participants) *Delaware State Police*, January.
- 2015 Training Webinar: Getting Better Pro-Active Crime Reduction Results During Uncommitted Time. (2 hours: 120 participants) *Adventos*.

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- 2015 Training: Advancing Policing through Innovation and Science: A Crime Analysis Symposium for Law Enforcement Leaders. (8 hours: 50 participants) *Southern Policing Institute, University of Louisville, Administrative Officers Course, Louisville, KY*, October.
- 2014 Training: Evidence-Based Policing and Stratified Policing. (8 hours: 30 participants) *Smyrna, GA Police Department*, October.
- 2014 Seminar: Advancing Policing through Innovation and Science: A Crime Analysis Symposium for Law Enforcement Leaders. (8 hours: 80 participants) *Cambridge, MA*, July.
- 2014 Seminar: Advanced Seminar for Police Commanders: A Model for Implementing Crime Reduction Strategies. (3 hours: 2 sessions: 45 participants) *Seattle, WA Police Department*, June.
- 2014 Training: Crime Analysis for Crime Reduction. (24 hours: 20 participants) *Seattle, WA Police Department*, June.
- 2014 Training: Evidence-Based Policing and Stratified Policing. (16 hours: 55 participants) *Dayton, OH Police Department*, March.
- 2014 Training: Evidence-Based Policing and Stratified Policing. (8 hours: 2 session: 50 participants total) *Walton County, FL Sheriff's Office*, February.
- 2013 Training: Accountability and Crime Reduction Strategies for Police Supervisors and Commanders (8 hours: 25 participants total) *State of Maryland, Governor's Office of Crime Control and Prevention*, December.
- 2013 Training: Crime Reduction and Prevention Evidence-Based Practices: Problem Solving, Crime Analysis, and Accountability (8 hours: 2 sessions: 80 participants). *Gilbert AZ, Police Department*, August.
- 2013 Training: Accountability and Crime Reduction Strategies for Police Supervisors and Commanders (8 hours: 25 participants total) *State of Maryland, Governor's Office of Crime Control and Prevention*, June.
- 2013 Seminar: Advanced CompStat Practices Seminar for Chiefs, Sheriffs, and Command Staff (3 hours: 20 participants total) *State of Maryland, Governor's Office of Crime Control and Prevention*, June.
- 2012 Training: Crime Analysis for Supervisors and Commanders (8 hours: 2 sessions: 60 participants). *Palm Beach County Sheriff's Office, Palm Beach Regional Fusion Center*, July.

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- 2012 Training: Tailored Crime Analysis (16 hours: 2 sessions: 60 participants). *Palm Beach County Sheriff's Office, Palm Beach Regional Fusion Center*, July.
- 2012 Seminar: Advanced Crime Analysis (16 hours: 60 participants). *Palm Beach County Sheriff's Office, Palm Beach Regional Fusion Center*, July.
- 2012 Training: Crime Analysis (16 hours: 2 sessions: 60 participants total). *Palm Beach County Sheriff's Office, Palm Beach Regional Fusion Center*, June and July.
- 2012 Training: Stratified Policing: Institutionalizing Problem Solving, Analysis, and Accountability (8 hours: 2 sessions: 80 participants total) *Greensboro, North Carolina Police Department*, April.
- 2012 Training: Crime Analysis (8 hours: 15 participants total) *Greensboro, North Carolina Police Department*, April.
- 2012 Training: Stratified Policing: An Organizational Model for Effective Crime Reduction: Institutionalizing Problem Solving, Analysis, and Accountability (8 hours: 75 participants) *Northern Ohio Violent Crime Consortium, US Attorney*, March.
- 2011 Seminar: Advanced Crime Analysis Training (24 hours: 40 participants) *State of Maryland, Governor's Office of Crime Control and Prevention*, November.
- 2011 Training: Accountability and Crime Reduction Strategies for Police Supervisors and Commanders (8 hours: 2 sessions: 20 participants total) *Salisbury, MD Police Department*, September.
- 2011 Seminar: Advanced CompStat Practices Seminar for Chiefs, Sheriffs, and Command Staff (3 hours: 20 participants total) *State of Maryland, Governor's Office of Crime Control and Prevention*, May.
- 2011 Training: Stratified Policing: Problem Solving, Analysis, and Accountability: Supervisors and Specialized Personnel (8 hours: 25 participants total). *Dayton, OH Police Department*, March.
- 2011 Training: Stratified Policing: Problem Solving, Analysis, and Accountability: Command Personnel (8 hours: 15 participants total). *Dayton, OH Police Department*, March.
- 2011 Training: Stratified Policing: Problem Solving, Analysis, and Accountability: Crime Analysts and Information Technology Personnel (8 hours: 6 participants total). *Dayton, OH Police Department*, March.
- 2010 Training: Stratified Policing: Problem Solving, Analysis, and Accountability (16 hours: 1 session: 50 participants total) *Illinois Law Enforcement Training and Standards Board: Executive Institute*, December.

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- 2010 Training: Stratified Policing: Problem Solving, Analysis, and Accountability Training (16 hours: 2 sessions: 60 participants total) *City of Champaign, IL Police Department*. November.
- 2010 Training: Advanced Crime Analysis (24 hours: 45 participants total) *State of Maryland, Governor's Office of Crime Control and Prevention*, September.
- 2010 Seminar: Advanced CompStat Practices Seminar for Chiefs, Sheriffs, and Command Staff (3 hours: 40 participants total) *State of Maryland, Governor's Office of Crime Control and Prevention*, September.
- 2010 Training: Accountability and Crime Reduction Strategies for Police Supervisors and Commanders (8 hours: 3 sessions: 110 participants total) *State of Maryland, Governor's Office of Crime Control and Prevention*, July, August, and September.
- 2010 Training: Implementing and Improving CompStat in your Agency (8 hours: 20 participants total) *State of Maryland, Governor's Office of Crime Control and Prevention*, September.
- 2010 Training: Introductory Crime Analysis (24 hours: 45 participants total) *State of Maryland, Governor's Office of Crime Control and Prevention*, July.
- 2009 Seminar: Stratified Policing: Problem Solving, Analysis, and Accountability Seminar (3 hours: 15 participants total) *Indian River County, FL Sheriff's Office*, May.
- 2009 Seminar: Advanced CompStat Practices Seminar for Chiefs, Sheriffs, and Command Staff (3 hours: 2 sessions: 50 participants total) *State of Maryland, Governor's Office of Crime Control and Prevention*.
- 2009 Training: Best Practices and Approaches (8 hours: 30 participants) *State of Maryland, Governor's Office of Crime Control and Prevention*.
- 2009 Training: Crime Analysis for CompStat (8 hours: 4 sessions: 100 participants total) *State of Maryland, Governor's Office of Crime Control and Prevention*.
- 2009 Training: Accountability and Crime Reduction Strategies for Police Supervisors and Commanders (8 hours: 6 sessions: 150 participants total) *State of Maryland, Governor's Office of Crime Control and Prevention*.
- 2009 Training: Implementing and Improving CompStat in your Agency (8 hours: 2 sessions: 40 participants total) *State of Maryland, Governor's Office of Crime Control and Prevention*.
- 2009 Training: Stratified Policing: Problem Solving, Analysis, and Accountability: Sergeants and Above (16 hours: 2 sessions: 200 participants total). *Cincinnati, OH Police Department*, April/May.

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- 2009 Training: Stratified Policing: Problem Solving, Analysis, and Accountability: Officers and Sergeants (16 hours: 2 sessions: 50 participants total). *Dayton, OH Police Department*, April.
- 2009 Training: Stratified Policing: Problem Solving, Analysis, and Accountability: Commanders (8 hours: 20 participants). *Dayton, OH Police Department*, April.
- 2008 Training: Crime Analysis (24 hours: 40 participants). *State of New York, Criminal Justice Division*, Albany, NY, August.
- 2007 Training: Stratified Policing: Organizational Model Implementation Training: Line-level Officer, Sergeants, Lieutenants, and Captains (2 hours: 8 sessions: 120 participants total), *Ft. Pierce, FL Police Department*, April – June.
- 2007 Training: Stratified Policing: Institutionalizing Problem Solving, Analysis and Accountability (24 hours: 50 participants), *Royal Canadian Mounted Police*, Langley, British Columbia, Canada, March.
- 2006 Training: Crime Analysis *State of New York Criminal Justice Division* (Intelligence and Crime Analysis Teams ICAT Training) (16 hours: 40 participants), Saratoga Springs, NY, November.
- 2006 Training: Stratified Policing: Organizational Model Implementation: Sergeants, Lieutenants, and Captains (8 hours: 25 participants), *Ft. Pierce, FL Police Department*, October.
- 2006 Training: Stratified Policing: Analyzing and Responding to Repeat Incidents, Patterns, and Problems: Police Managers and Analysts (24 hours: 50 participants), *Fairfax County, VA Police Department*, May-June.
- 2006 Training: Stratified Policing: Analyzing and Responding to Repeat Incidents, Patterns, and Problems: Police Managers and Analysts (8 hours: 75 participants), *Mid-Atlantic Regional Crime Analysis Association*, Kansas City, MO, April.
- 2006 Training: Stratified Policing: Analyzing and Responding to Repeat Incidents, Patterns, and Problems: Police Managers and Analysts (24 hour: 20 participants), *Bair Software, Inc.* Alexandria, VA Police Department, March.
- 2005 Training: Analysis for Police Managers (24 hours: 100 participants), *Florida Atlantic University/Broward County Sheriff's Office Executive Leadership Program*, June and July.
- 2005 Training: Problem Analysis for Sergeants (8 hours; 2 sessions: 30 participants total), *Port St. Lucie, FL Police Department*, April and May.

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- 2005 Training: Problem Analysis for Law Enforcement Personnel (16 hours:: 40 participants), *The Florida Atlantic University Criminology/Criminal Justice Department, International Center for Leadership and Development (ICLAD), and John Scott Dailey Florida Institute of Government at FAU*, May.
- 2005 Training: Introduction to Crime Analysis (12 hour: 25 participants), *Crime Mapping and Analysis Program*, Denver, CO, May.
- 2005 Training: Advanced Statistics for Problem Analysis (16 hours: 5 participants), *Chula Vista, CA Police Department*, April.
- 2004 Training: Problem Analysis (4 hours; 12 sessions: 275 participants total), *Port St. Lucie, FL Police Department*, November and December.
- 2004 Training: Advanced Problem Analysis, Crime Analysis, and Crime Mapping (40 hours: 15 participants), *Police Foundation*, Washington DC; August.
- 2004 Training: Problem Analysis (24 hours: 2 sessions: 70 participants total), *State of Wisconsin Department of Justice*; Franklin, WI; June and August.
- 2004 Training: Problem Analysis (24 hours: 40 participants), *New Zealand Police*; Rotorua, New Zealand; June.
- 2004 Training: Problem Analysis for Community-Oriented Government (8 hours: 2 sessions: 60 participants total), *City of Concord, CA*; April and May.
- 2003 Training: Advanced Problem Analysis, Crime Analysis, and Crime Mapping (50 hours: 15 participants). *Police Foundation*, Washington DC, April.
- 2002 Training: Introductory Crime Analysis, Crime Mapping, and Problem Analysis (16 hours: 2 sessions: 30 participants total). *Police Foundation*, Washington DC
- 2002 Training: Intermediate Crime Analysis, Crime Mapping, and Problem Analysis (16 hours: 20 participants). *Police Foundation*, Washington DC
- 2001 Training: Introductory Crime Analysis, Crime Mapping, and Problem Analysis (16 hours: 2 sessions: 40 participants total). *Police Foundation*, Washington DC
- 2001 Training: Intermediate Crime Analysis, Crime Mapping, and Problem Analysis Training (16 hours: 20 participants). *Police Foundation*, Washington DC
- 2000 Training: Introduction to Crime Analysis and Crime Mapping (10 sessions; 4 hours: 250 participants total). *Consortium of Small Police Departments in Massachusetts*.
- 2000 Training: Introduction to Crime Analysis, Crime Mapping, and ArcView Training (16 hours: 4 sessions: 60 participants). *Police Foundation*, Washington DC

HONORS AND AWARDS

- 2017, March RU Discovery, **Featured Scholar**
<http://www.radford.edu/content/dam/departments/administrative/sponsored-programs/PDFs/FeaturedProgram.pdf>
- 2016, Fall Radford University **Faculty Spotlight**
<https://www.radford.edu/content/radfordcore/home/news/releases/2016/september/faculty-spotlight--rachel-santos.html>
- 2016 **Award of Appreciation:** Research Partnership from the Port St. Lucie, FL Police Department for collaboration and research between 2004 and 2016.
- 2015 International Association of Crime Analysts: **Award for Meritorious Contribution to the Mission of the IACA**
- 2014 **Finalist, Outstanding Graduate Program Advisor.** Graduate Professional and Student Organization, Florida Atlantic University.
- 2014 **Outstanding Reviewer** for *Policing: An International Journal of Police Strategies & Management* in the Emerald Literati Network 2014 Awards for Excellence
- 2013 **Finalist, Exceptional Faculty Award 2013 Jupiter Campus,** Florida Atlantic University
- 2008 **The International Association of Chiefs of Police (IACP) and Sprint-Nextel Excellence in Law Enforcement Research Award** (with Port St. Lucie, FL Police Department)
- 2006 **Herman Goldstein Award for Excellence in Problem-Oriented Policing: Finalist** (with Port St. Lucie, FL Police Department)
- 2005 **Award of Appreciation** from the Port St. Lucie, FL Police Department
- 2005 **Membership Award, Meritorious Contribution.** International Association of Crime Analysts
- 2001 **President's Award, Meritorious Contribution.** International Association of Crime Analysts

MEMBERSHIPS

American Society of Criminology
Division of Communities and Place
Division of Policing
Division of Experimental Criminology
Academy of Criminal Justice Sciences
Police Section
International Association of Crime Analysts
George Mason Crime and Place Working Group

PROFESSIONAL SERVICE

Member of the Editorial Board, *Journal of Intelligence & Analysis*
International Association of Crime Analysts, Committee on Standards, Methods, &
Technology (SMT), Member of the Subcommittee on Standards (2011– 2015)

Grant Proposal Reviews

Bureau of Justice Assistance, Smart Policing Initiative, Department of Homeland
Security, National Institute of Justice, Netherlands Organisation for Scientific Research
Social Sciences, Office of Community Oriented Policing Services, Washington DC
Government, Law Enforcement Block Grants and Byrne Grants

Technical Report Reviews

George Mason University Center of Evidence-Based Crime Policy, Home Office,
London, Institute of Governmental Research, International Association of Crime
Analysts, Jill Dando Institute, London, National Institute of Justice, Office of Community
Oriented Policing Services, Police Executive Research Forum, Police Foundation

Journal Peer Reviews

*Crime and Delinquency, Crime Mapping: A Journal of Research and Practice, Crime
Science, Criminology, Evaluation Review, International Journal of Comparative and
Applied Criminal Justice, Journal of Experimental Criminology, Journal of Intelligence
and Analysis, Journal of Quantitative Criminology, Journal of Research in Crime and
Delinquency, Justice Research and Policy, Police Practice and Research: An
International Journal, Policing: An International Journal of Police Strategies and
Management, Policing: A Journal of Policy and Practice*

Book Proposals and Material Reviews

Taylor & Francis, Cognella, Jones and Bartlett Publishers, Prentice Hall, Routledge, Sage
Publications, Wadsworth Publishing, Wilan Publishing,