

Curriculum Vitae Aunshul Rege

Department of Criminal Justice
Temple University

Personal

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		Research website:	https://sites.temple.edu/care/ @Prof_Rege
		Twitter:	

Current Position

Associate Professor (2018-)
Department of Criminal Justice
Temple University

Education

Ph.D.	2012	(Criminal Justice) Rutgers University (Ronald V. Clarke, advisor)
MA	2010	(Criminal Justice) Rutgers University
MA	2008	(Criminology) Saint Mary's University
BA	2006	(Criminology) Saint Mary's University
BSc	2002	(Computer Science) University of British Columbia

Honors

Editorial Board, The European Review of Organised Crime, 2013

Positions Held

2012-2018	Assistant Professor, Temple University (Criminal Justice)
2010-2011	Research Assistant, (Dr. Finckenauer) Rutgers University
2007 (June – July), 2008 (March)	Research Assistant, (Dr. John McMullan, Principal Investigator) Commercial Advertising & Adolescent Gambling Project Saint Mary's University
2005 -2006	Programmer/Researcher Campus Security Saint Mary's University
2002-2004	Software Engineer Canadian Securities Registration Systems
2002 (May – November)	Programmer Arts Instructional Support and Information Technology University of British Columbia
2002 (February – November)	Programmer University of British Columbia

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Grants and Competitive Fellowships

- 2019-20 NSF Trusted CI (Critical Infrastructure) Open Science Cybersecurity Fellowship
- 2017-19 **Rege, A. (PI)**. “EAGER: Collaborative: A Criminology-Based Simulation of Dynamic Adversarial Behavior in Cyberattacks”. National Science Foundation. Award # 1742747. **Total Grant Amount (\$150,389)**.
- 2015-20 **Rege, A. (PI)**. “CAREER: Applying a Criminological Framework to Understand Adaptive Adversarial Decision-Making Processes in Critical Infrastructure Cyberattacks”. National Science Foundation. Award # 1453040. **Total Grant Amount (\$450,000)**, First Four Years (\$368,089).
- 2015-17 Saad, W. (PI)¹, Sarwat, A. (PI)², Akkaya, K. (Co-PI)², Guvenc, I. (Co-PI)², Biswas, S. (PI)³, **Rege, A. (Co-PI)⁴**, Bai, L. (Co-PI)³. “CPS: Synergy: Collaborative Research: Towards Secure Networked Cyber-Physical Systems: A Game-Theoretic Framework with Bounded Rationality.” National Science Foundation. Award # 1446574. **Total Grant Amount (\$999,853)**, **Temple University’s Portion (\$449,852)**.
- 2018-19 Temple University’s Global Studies Events Grant. (\$1,500)
- 2017-18 Temple University’s Global Studies Events Grant. (\$1,350)
- 2015-17 Temple University’s Presidential Humanities and Arts Research Program. (\$5,000).
- 2014-15 Temple University's Teaching and Learning Center: Community-Based Digital Storytelling Teaching Circle. (\$1,000).
- 2014-15 Temple University Internationalization Grant. (\$4,000)
- 2014 Temple University Summer Research Grant. (\$7,000)
- 2008-2010 Rutgers University Presidential Fellowship (\$30,000/yr)
- 2008-2012 Social Sciences and Humanities Research Council of Canada Doctoral Fellowship (\$20,000/yr)
- 2007-2008 Social Sciences and Humanities Research Council of Canada Masters Fellowship (\$17,500)

Publications

Articles in Refereed Journals [(*)= undergraduate student co-author; (+)= graduate student co-author]

1. Dobson, G., **Rege, A.** & Carley, K. (2018). Informing Active Cyber Defense with Realistic Adversarial Behavior. *Journal of Information Warfare* 17(2): 16-31.
2. **Rege, A.**, Obradovic, Z., Asadi, N. (+), Parker, E. (+), Pandit, R.(*), Masceri, N. (*) & Singer, B. (*). (2018). Predicting Adversarial Cyber Intrusion Stages Using Autoregressive Neural Networks. *Special Issue: Data Mining for Cyber Security. IEEE Intelligent Systems* 33(2): 29-39. *Impact Factor 2.374*.

1 Virginia Polytechnic Institute and State University, Department of Electrical and Computer Engineering

2 Florida International University, Department of Electrical and Computer Engineering

3 Temple University, Department of Electrical and Computer Engineering

4 Temple University, Department of Criminal Justice

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3. **Rege, A.**, Parker, E. (+), Singer, B. (*) & Masceri, N. (*). (2017). A Qualitative Exploration of Adversarial Adaptability, Group Dynamics, and Cyber Intrusion Chains. Journal of Information Warfare 16(3): 1-16.
4. **Rege, A.** & Lavogrna, A. (2017). Organization, operations, and success of environmental organized crime in Italy and India: a comparative analysis. European Journal of Criminology 14(2): 160-182. *Impact Factor 1.305*
5. Rege, A. (2016). Not Biting the Dust: Using a Tri-Partite Model of Organized Crime to Examine India's Sand Mafia. International Journal of Comparative and Applied Criminal Justice 40(2): 101-121.
6. Rege, A. (2014). A Criminological Perspective on Power Grid Cyberattacks: Using Routine Activities Theory and Rational Choice Perspective to Explore Adversarial Decision-Making. Journal of Homeland Security and Emergency Management (JHSEM) 11(4): 463-487. *Impact Factor 0.566*
7. Rege, A. (2014). Digital Information Warfare Trends in Eurasia. Security Journal 27(2): 374-398. *Impact factor 0.341*
8. McMullan, J. & **Rege, A.** (2010). Online crime and internet gambling. Journal of Gambling Issues. Issue 24: 54-85.
9. Rege, A. (2009). What's Love Got to Do With It? Exploring Online Dating Scams and Identity Fraud. International Journal of Cybercriminology. 3 (2): 494-512.
10. Rege-Patwardhan, A. (2009). Cybercrimes against critical infrastructures: a study of online criminal organization and techniques. Criminal Justice Studies: A Critical Journal of Crime, Law and Society. 22 (3): 261-271.
11. McMullan, J. & **Rege, A.** (2007). Cyber-Extortion at Online Gambling Sites: Criminal Organization and Legal Challenges. Gaming Law Review. 11 (6): 648-665.

Peer Reviewed Published Conference Proceedings

[(*) = undergraduate student co-author; (+) = graduate student co-author]

1. **Rege, A.**, Yang, S., Mendlein, A. (+), Williams, K. (+), Su, S (+) & Moskal, S. (+). (forthcoming). "Dissecting Cyberadversarial Intrusion Stages via Interdisciplinary Observations". Proceedings from the 6th ACM International Workshop on Security and Privacy Analytics 2020.
2. Bleiman, R. (*) & **Rege, A.** (forthcoming). "The susceptibility of humans in disclosing sensitive information". Proceedings from the 15th International Conference on Cyber Warfare and Security.
3. **Rege, A.**, Mendlein, A. (+) & Williams, K. (+) (forthcoming). "Security and Privacy Education for STEM Undergraduates: A Shoulder Surfing Course Project". Proceedings of the IEEE Frontiers in Education.
4. Ulrich, T., Boring, R., McJunkin, T. & **Rege, A.** (2019). "A visualization approach to performing task analysis of time series event log data from a microworld simulation". Proceedings of the Human Factors and Ergonomics Society Annual Meeting (Vol. 63, No. 1, pp. 1867-1871). Sage CA: Los Angeles, CA: SAGE Publications.
5. **Rege, A.**, VanZant, S. (2019). "Examining the Roles of Muhajirahs in the Islamic State via Twitter". Proceedings of the IEEE Cyber Science Conference. *Winner of Best Paper Award*
6. **Rege, A.**, Williams, K. (+) & Mendlein, A. (+) (2019). "A Social Engineering Course Project for Undergraduate Students Across Multiple Disciplines". Proceedings of the IEEE Cyber Science Conference.
7. Asadi, N. (+), **Rege, A.**, Obradovic, Z. (2019). "Pattern discovery in intrusion chains and adversarial movement". Proceedings of the IEEE Cyber Science Conference.
8. **Rege, A.** & Adams, J. (2019). "The need for more sophisticated cyber-physical systems war gaming exercises". Proceedings of the 18th European Conference on Cyber Warfare and Security.
9. **Rege, A.**, Williams, K. (+) & Mendlein, A. (+) (2019). "An experiential learning cybersecurity project for multiple STEM undergraduates". Proceedings from the IEEE Integrated STEM Education Conference.
10. Asadi, N. (+), **Rege, A.** & Obradovic, Z. (2018). "An Assessment of Group Dynamics During Cyber Crime Through Temporal Network Topology". Proceedings of the 10th International Conference on Social Computing, Behavioral-Cultural Modeling & Prediction and Behavior Representation in Modeling and Simulation (SBP-BRiMS).
11. Asadi, N. (+), **Rege, A.** & Obradovic, Z. (2018). "Analysis of Adversarial Movement Through Characteristics of Graph Topological Ordering". Proceedings of the International Conference on Cyber Situational Awareness, Data Analytics and Assessment (CyberSA). Institute of Electrical and Electronics Engineers (IEEE) Xplore Digital Library.

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12. Dobson, G.(+), **Rege, A.** & Carley, K. (2018). "Virtual Cyber Warfare Experiments based on Empirically Observed Adversarial Intrusion Chain Behavior". Proceedings from the 13th International Conference on Cyber Warfare and Security.
13. Yang, S. J., **Rege, A.** & Kuhl, M. E. (2017). "Learning, Simulating and Predicting Adversary Attack Behaviors for Proactive Cyber Defense", in Proceedings of NATO IST-152 Workshop on Intelligent Autonomous Agents for Cyber Defence and Resilience, pp. 30-34, October 18-20, 2017, Prague, Czech Republic.
14. **Rege, A.**, Biswas, S., Bai, L., Parker, E. (+) & McJunkin, T. (2017). "Using Simulators to Assess Knowledge and Behavior of "Novice" Operators of Critical Infrastructure under Cyberattack Events". Proceedings of the 10th International Symposium on Resilient Control Systems (ISRCS). Institute of Electrical and Electronics Engineers (IEEE).
15. **Rege, A.**, Parker, E. (+) & McJunkin, T. (2017). "Using a Critical Infrastructure Game to Provide Realistic Observation of the Human in the Loop by Criminal Justice Students". Proceedings of the 10th International Symposium on Resilient Control Systems (ISRCS). Institute of Electrical and Electronics Engineers (IEEE).
16. **Rege, A.**, Obradovic, Z., Asadi, N.(+), Singer, S.(*) & Masceri, N.(*) (2017). "A Temporal Assessment of Cyber Intrusion Chains Using Multidisciplinary Frameworks and Methodologies". Proceedings of the International Conference on Cyber Situational Awareness, Data Analytics and Assessment (Cyber SA 2017). Institute of Electrical and Electronics Engineers (IEEE) Xplore Digital Library.
17. **Rege, A.**, Adams, J., Parker, E. (+), Singer, B. (*), Masceri, N. (*), Pandit, R. (*) (2017). "Using Cyber-security Exercises to Study Adversarial Intrusion Chains, Decision-Making, and Group Dynamics". Proceedings of the 16th European Conference on Cyber Warfare and Security.
18. **Rege, A.**, Obradovic, Z., Asadi, N. (+), Parker, E. (+), Masceri, N. (*), Singer, B. (*) & Pandit, R.(*) (2017). "Using a Real-Time Cybersecurity Exercise Case Study to Understand Temporal Characteristics of Cyberattacks". Proceedings of the 10th International Conference on Social Computing, Behavioral-Cultural Modeling & Prediction and Behavior Representation in Modeling and Simulation (SBP-BRiMS).
19. **Rege, A.**, Singer, B. (*), Masceri, N. (*) & Heath, Q. (*) (2017). "Measuring Cyber Intrusion Chains, Adaptive Adversarial Behavior, and Group Dynamics". Proceedings of the 12th International Conference on Cyber Warfare and Security.
20. Rege, A. (2016). "Incorporating the Human Element in Anticipatory and Dynamic Cyber Defense". Proceedings of the The 4th International Conference on Cybercrime and Computer Forensics (ICCCF). Institute of Electrical and Electronics Engineers (IEEE).
21. McJunkin, T. R., Rieger, C. G., **Rege, A.**, Biswas, S. K., Haney, M., Santora, M. J., Johnson, B. K., Boring, R. L., Naidu, D. S., & Gardner, J. F. (2016), "Multidisciplinary Game-based Approach for Generating Student Enthusiasm for Addressing Critical Infrastructure Challenges". ASEE Annual Conference & Exposition, New Orleans, Louisiana. 10.18260/p.25763
22. Rege, A. (2015). "Multidisciplinary Experiential Learning for Holistic Cybersecurity Education, Research and Evaluation". Proceedings of the 2015 USENIX Summit on Gaming, Games, and Gamification in Security Education. (3GSE 15).
23. **Rege, A.**, Ferrese, F., Biswas, S., & Bai, L. (2014). "Adversary dynamics and smart grid security: A multiagent system approach". Proceedings of the 7th International Symposium on Resilient Control Systems (ISRCS). Institute of Electrical and Electronics Engineers (IEEE). pp. 1-7. IEEE Catalog Number: CFP1469H-ART [ISBN: 978-1-4799-4187-2] DOI: 10.1109/ISRCS.2014.6900101.
24. Rege, A. (2013). 10v3.c0ns [love.cons]: A Criminological Investigation of Online Dating Crimes. Proceedings of the 2013 IEEE eCrime Researchers Summit. Institute of Electrical and Electronics Engineers (IEEE). pp. 123-131. IEEE Catalog Number: CFP13ECR-POD [ISBN: 978-1-4799-1159-2].

Chapters in Edited Volumes

1. Rege, A. (2013). Factors Impacting Attacker Decision-Making in Power Grid Cyberattacks: Policy and Research Implications. In Butts, J. and Sheno, S. (eds.) International Federation for Information Processing Advances in Information and Communication Technology-Critical Infrastructure Protection, Critical Infrastructure Protection VII. Pp. 125-138. New York: Springer.
2. Rege, A. (2010). Industrial Control Systems and Cybercrime, in Holt, T. (ed). Crime On-line: Correlates, Causes, and Context. Pp. 191-218. Durham, North Carolina: Carolina Academic Press.

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3. Finckenauer, J. & Rege, A. (2013). Criminal Organizations and Harms Assessment: A Research Proposal, Grigol Robakidze University Academic Digest. Law. N2. Tbilisi 2013. ISSN 2298-0202.

Conference Presentations

Presented at Professional Meetings [(*) = undergraduate student co-author; (+) = graduate student co-author]

2006-present

1. Ulrich, T., Boring, R., McJunkin, T. & **Rege, A.** (2019). "A visualization approach to performing task analysis of time series event log data from a microworld simulation". Paper presented at the 63rd Human Factors and Ergonomics Society Annual Meeting, October 28 – November 1, 2019, Seattle, Washington.
2. Rege, A. (2019). "Hacking the Human: Exploiting the Weakest Link in Cyber Attacks". Presented at the 2019 National Science Foundation Trusted CI Cybersecurity Summit.
3. **Rege, A.**, Mendlein, A. (+) & Williams, K. (+) (2019). "Security and Privacy Education for STEM Undergraduates: A Shoulder Surfing Course Project". Paper presented at the IEEE Frontiers in Education, October 17-19, Cincinnati, Ohio.
4. Rege, A. (2019). "I agreed to what? How the average person handles (online) terms and conditions statements". Paper presented at BSides St. John's, Newfoundland, Canada.
5. **Rege, A.** & Adams, J. (2019). "The need for more sophisticated cyber-physical systems war gaming exercises". Paper presented at the annual meetings of the 18th European Conference on Cyber Warfare and Security, University of Coimbra, Portugal.
6. **Rege, A.**, VanZant, S. (2019). "Examining the Roles of Mujahirahs in the Islamic State via Twitter". IEEE Cyber Science Conference, Oxford University, Oxford, UK.
7. **Rege, A.**, Williams, K. (+) & Mendlein, A. (+) (2019). "A Social Engineering Course Project for Undergraduate Students Across Multiple Disciplines". IEEE Cyber Science Conference, Oxford University, Oxford, UK.
8. Asadi, N. (+), **Rege, A.**, Obradovic, Z. (2019). "Pattern discovery in intrusion chains and adversarial movement". IEEE Cyber Science Conference, Oxford University, Oxford, UK.
9. Rege, A. (2019). "A Social Engineering Experiential Learning Project for Undergraduate Students". Paper presented at the annual meetings of Women in Cybersecurity (WiCYS) conference. Pittsburgh, PA, USA.
10. Williams, K. (+) & **Rege, A.** (2019). "A Qualitative Exploration of Adversarial Adaptability, Group Dynamics, and Cyber Intrusion Chains". Paper presented at the annual meetings of Academy of Criminal Justice Sciences, Baltimore, MD, USA.
11. Asadi, N. (+) & **Rege, A.** (2019). "A Temporal Assessment of Cyber Intrusion Chains Using Multidisciplinary Frameworks and Methodologies". Paper presented at the annual meetings of Academy of Criminal Justice Sciences, Baltimore, MD, USA.
12. Rege, A. (2019). "Using a Critical Infrastructure Game to Provide Realistic Observation of the Human in the Loop by Criminal Justice Students". Paper presented at the annual meetings of Academy of Criminal Justice Sciences, Baltimore, MD, USA.
13. Mendlein, A. (+) & **Rege, A.** (2019). "A Social Engineering Course Project for Undergraduate Students Across All Disciplines". Paper presented at the annual meetings of Academy of Criminal Justice Sciences, Baltimore, MD, USA.

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14. **Rege, A.**, Williams, K. (+), Mendlein, A. (+) (2019). "An experiential learning cybersecurity project for multiple STEM undergraduates". Paper presented at the annual meetings of the IEEE Integrated STEM Education Conference. Princeton University, Princeton, New Jersey, USA.
15. Rege, A. "Inside the Culture and Practices of India's Sand Mafia". Paper presented at the annual meetings of Western Society of Criminology Conference. February 7-9, 2019. Honolulu, Hawai'i, USA.
16. Rege, A. (2018). "Social Engineering Course Projects for Undergraduate Students". Paper presented at Def Con 26 Social Engineering Village, August 9-12, 2018, Las Vegas, USA.
17. Rege, A. (2018). "Social engineering class project for undergraduate students in multiple disciplines". Paper presented at SE-RI, Newport, Rhode Island, USA.
18. Asadi, N. (+), **Rege, A.** & Obradovic, Z. (2018). "An Assessment of Group Dynamics During Cyber Crime Through Temporal Network Topology". Paper presented at the 10th International Conference on Social Computing, Behavioral-Cultural Modeling & Prediction and Behavior Representation in Modeling and Simulation (SBP-BRiMS).
19. Asadi, N. (+), **Rege, A.** & Obradovic, Z. (2018). "Analysis of Adversarial Movement Through Characteristics of Graph Topological Ordering". Paper presented at the annual meetings of the International Conference on Cyber Situational Awareness, Data Analytics and Assessment (CyberSA). Glasgow, UK.
20. Rege, A. (2018). "A social engineering course project case study". Paper presented at the annual meetings of AtlSecCon, Halifax, Nova Scotia, Canada.
21. Dobson, G.(+), **Rege, A.** & Carley, K. (2018). "Virtual Cyber Warfare Experiments based on Empirically Observed Adversarial Intrusion Chain Behavior". Paper presented at the 13th International Conference on Cyber Warfare and Security, Washington DC, USA.
22. Rege, A. (2018). "Multidisciplinary Experiential Learning in Cybersecurity for Non-STEM Students". Paper presented at the annual meetings of Academy of Criminal Justice Sciences, New Orleans, LA, USA.
23. Rege, A. (2018). "A social science approach to cybersecurity education for all disciplines". Paper presented at Shmoocoon XIV, Washington DC, USA.
24. Parker, E. (+) & **Rege, A.** (2018). "Group Dynamics and Decision-Making in Critical Infrastructure Cyberattacks". Paper presented at the annual meetings of American Society of Criminology, Philadelphia, PA, USA.
25. Asadi, N. (+) & **Rege, A.** (2018). "A Temporal Assessment of Cyber Intrusion Chains Using Multidisciplinary Frameworks and Methodologies". Paper presented at the annual meetings of American Society of Criminology, Philadelphia, PA, USA.
26. Rege, A. (2017). "Leveraging simulators to educate non-STEM students in conducting real-time cybersecurity field research". Paper presented at the annual meetings of National Initiative for Cybersecurity Education (NICE), Dayton, OH, USA.
27. **Rege, A.**, Biswas, S., Bai, L., Parker, E. (+) & McJunkin, T. (2017). "Using Simulators to Assess Knowledge and Behavior of "Novice" Operators of Critical Infrastructure under Cyberattack Events". Paper presented at the 10th International Symposium on Resilient Control Systems (ISRCs), Wilmington, DE, USA.

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28. **Rege, A.**, Parker, E. ⁽⁺⁾ & McJunkin, T. (2017). "Using a Critical Infrastructure Game to Provide Realistic Observation of the Human in the Loop by Criminal Justice Students". Paper presented at the 10th International Symposium on Resilient Control Systems (ISRCs), Wilmington, DE, USA.
29. **Rege, A.**, Obradovic, A., Asadi, N. ⁽⁺⁾, Singer, S. ^(*) & Masceri, N. ^(*) (2017). "A Temporal Assessment of Cyber Intrusion Chains Using Multidisciplinary Frameworks and Methodologies". Paper presented at the annual meetings of Cyber Situational Awareness, Data Analytics and Assessment (Cyber SA 2017), London, England, UK.
30. Rege, A. (2017). "Examining the Roles of Muhajirahs in the Islamic State via Twitter". Paper presented at the Terrorism and Social Media Conference, Swansea, UK.
31. **Rege, A.**, Adams, J., Parker, E. ⁽⁺⁾, Singer, B. ^(*), Masceri, N. ^(*) & Pandit, R. ^(*) (2017). "Using Cyber-security Exercises to Study Adversarial Intrusion Chains, Decision-Making, and Group Dynamics". Paper presented at the 16th European Conference on Cyber Warfare and Security, Dublin, Ireland.
32. **Rege, A.**, Obradovic, Z., Asadi, N. ⁽⁺⁾, Parker, E. ⁽⁺⁾, Masceri, N. ^(*), Singer, B. ^(*) & Pandit, R. ^(*) (2017). "Using a Real-Time Cybersecurity Exercise Case Study to Understand Temporal Characteristics of Cyberattacks". Paper presented at the 10th International Conference on Social Computing, Behavioral-Cultural Modeling & Prediction and Behavior Representation in Modeling and Simulation (SBP-BRiMS), Washington, DC, USA.
33. **Rege, A.**, Singer, B. ^(*), Masceri, N. ^(*). & Heath, Q. ^(*). (2017). "Measuring Cyber Intrusion Chains, Adaptive Adversarial Behavior, and Group Dynamics". Paper presented at the 12th International Conference on Cyber Warfare and Security, Dayton, OH, USA.
34. Rege, A. (2016). "The Digital Squeeze: Extortion Rackets in Cyberspace". Paper presented at the annual meetings of American Society of Criminology Conference, New Orleans, LA, USA.
35. Singer, B. ^(*), Masceri, N. ^(*), **Rege, A.** (2016). "Traditional Qualitative Methodology in an Innovative Setting: Cybercrime Research on Adversarial Decision-Making, Behavior, and Group Dynamics". Paper presented at the annual meetings of American Society of Criminology Conference, New Orleans, LA, USA.
36. **Rege, A.** & Heath, Q. ^(*) (2016). "What the Hack? Perceptions of Hackers and Cybercriminals in Popular Culture", Paper presented at the annual meetings of Hackers on Planet Earth (HOPE), New York, USA.
37. Rege, A. (2016). "Developing a Framework to Assess and Prioritize the Harms Caused by India's Sand Mafia". Paper presented at the annual meetings of C4 conference (Conference on Conservation, Computation, & Criminology), Cornell University, Ithaca, NY, USA.
38. Rege, A. (2016). "Incorporating the Human Element in Anticipatory and Dynamic Cyber Defense". Paper presented at the 4th International Conference on Cybercrime and Computer Forensics (ICCCF). Vancouver, Canada.
39. McJunkin, T. R., & Rieger, C. G., & **Rege, A.**, & Biswas, S. K., & Haney, M., & Santora, M. J., & Johnson, B. K., & Boring, R. L., & Naidu, D. S., & Gardner, J. F. (2016). "Multidisciplinary Game-based Approach for Generating Student Enthusiasm for Addressing Critical Infrastructure Challenges". Paper presented at the annual meetings of ASEE Annual Conference & Exposition, New Orleans, Louisiana, USA.
40. Heath, Q. ^(*) & **Rege, A.** (2015). "What the Hack? Perceptions of Hackers and Cybercriminals in Popular Culture". Paper presented at the annual meetings of American Society of Criminology Conference, Washington DC, USA.

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41. VanZant, S. ⁽⁺⁾ & **Rege, A.** (2015). "ISIS Jihadettes: Examining the Role of Women in ISIS". Paper presented at the annual meetings of American Society of Criminology Conference, Washington DC, USA.
42. Lavorgna, A. & **Rege, A.** (2015). "Organization, Operations, and Success of Environmental Organized Crime in Italy and India: A Comparative Analysis". Paper presented at the Stockholm Criminology Symposium, Stockholm, Sweden.
43. Rege, A. (2015). "A Criminological Perspective On Intrusion Kill Chains And Adaptive Adversaries", Paper presented at the annual meetings of the HoneyNet Project Workshop, Stavanger, Norway.
44. Koehnlein, J. ^(*) & **Rege, A.** (2015). "The Fentanyl-Laced Heroin Epidemic: Investigating Underlying Factors And Organized Crimes Involvement In Philadelphia". Paper presented at the annual meetings of Academy of Criminal Justice Sciences Conference, Orlando, FL, USA.
45. **Rege, A.** & VanZant, S. ^(*) (2015). "Twitter and the Interactive Theatrics of Terror". Paper presented at the annual meetings of Academy of Criminal Justice Sciences Conference, Orlando, FL, USA.
46. Slater, K. ^(*) & **Rege, A.** (2015). "Pentiti Of Palermo: The Impact Of Incentives And Local Factors On Organized Crime Testimony". Paper presented at the annual meetings of Academy of Criminal Justice Sciences Conference, Orlando, FL, USA.
47. **Rege, A.**, Koehnlein, J. ^(*) & Yody, K. ^(*) (2014). "Measuring and Quantifying the Environmental Harms Caused by Illegal Sand Mining in India". Paper presented at the annual meetings of American Society of Criminology Conference, San Francisco, USA.
48. Slater, K. ^(*) & **Rege, A.** (2014). "Lessons from Palermo: Strategies for Increasing Organized Crime Testimony". Paper presented at the annual meetings of American Society of Criminology Conference, San Francisco, USA.
49. Lavorgna, A. & **Rege, A.** (2014). "Comparing the Organization, Operation, and Success of Ecomafias in Italy and India". Paper presented at the annual meetings of American Society of Criminology Conference, San Francisco, USA.
50. Slater, K. ^(*) & **Rege, A.** (2014). "Reconstructing history: Multiple methods in organized crime research". Paper presented at the annual meetings of Southern Criminal Justice Association, Clearwater, FL, USA.
51. VanZant, S. ^(*), Coladonato, J. ^(*) & **Rege, A.** (2014) "How Terrorists Use Social Media: An Analysis Through Twitter APIs", Paper presented at the annual meetings of PUMPCON (hacker conference), Philadelphia, USA.
52. **Rege, A.**, Ferrese, F., Biswas, S. & Bai, L. (2014). "Adversary Dynamics and Smart Grid Security: A Multiagent System Approach". Paper presented at the annual meetings of Resilience Week, Denver, USA.
53. Rege, A. (2014). "Adversarial Decision-Making in Intrusion Chain and STIX Frameworks". Paper presented at the bi-annual meetings of the Industrial Control Systems Joint Working Group, Indianapolis, USA.
54. Rege, A. (2014). "Not Biting the Dust: Assessing the Properties and Success of India's Sand Mafia". Paper presented at the MAFIAs: Realities and Representations of Organized Crime Conference hosted by CUNY John D. Calandra Italian American Institute's conference, New York, USA.
55. Beaye, W. ^(*) & **Rege, A.** (2014). "(Cyber) Extortion: An Assessment of the Enforcement Complications in Both Cyber and Physical Space". Paper presented at the MAFIAs: Realities and Representations of Organized Crime Conference hosted by CUNY John D. Calandra Italian American Institute's conference, New York, USA.

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56. Slater, K. (*) & **Rege, A.** (2014). "At the Nexus of Politics and Organized Crime: Examining Corruption in Philadelphia". Paper presented at the MAFIAs: Realities and Representations of Organized Crime Conference hosted by CUNY John D. Calandra Italian American Institute's conference, New York, USA.
57. Rege, A. (2014). "The Human Element in Adversarial Cyberattack Kill Chains". Paper presented at the 9th International Conference on Cyber Warfare and Security, West Lafayette, USA.
58. Rege, A. (2014). "An Investigation into the Illegal Mining Operations of India's Sand Mafia". Paper presented at the annual meetings of the Academy of Criminal Justice Sciences, Philadelphia, USA.
59. Beaye, W. (*) & **Rege, A.** (2014). "(Cyber) Extortion: An Assessment of the Enforcement Complications in Cyber and Physical Space". Paper presented at the annual meetings of the Academy of Criminal Justice Sciences, Philadelphia, USA.
60. Slater, K. (*) & **Rege, A.** (2014). "The Role of Political Corruption in the Success of Organized Crime: Philadelphia as a Case Study". Paper presented at the annual meetings of the Academy of Criminal Justice Sciences, Philadelphia, USA.
61. Rege, A. (2013). "Hackers Wanted: Creating an Interactive Cyberattack Playbook". Paper presented at the annual meetings of BSides⁵, Wilmington, Delaware, USA.
62. Rege, A. (2013). "Developing Dynamic Critical Infrastructure Cybersecurity Measures". Paper presented at the International Symposium on Environmental Criminology and Crime Analysis (ECCA), Philadelphia, USA.
63. Rege, A. (2013). "Adversarial Decision Making in Critical Infrastructure Cyberattacks". Paper presented at the annual SOURCE⁶ Conference, Boston, USA.
64. Rege, A. (2013). "Attacker Decision-Making in Power Grid Cyberattacks". Paper presented at the Seventh Annual International Federation for Information Processing Working Group 11.10 International Conference on Critical Infrastructure Protection, Washington DC, USA.
65. Rege, A. (2012). "Bizarre E-Bazaars: Selling Credit Cards in Virtual Black Markets". Paper presented at the annual meetings of the Academy of Criminal Justice Sciences, New York, USA.
66. McMullan, J. & **Rege, A.** (2012). "An Integrated Theory for Crime in Cyberspace: Possibilities and Problems". Paper presented at the annual meetings of the Academy of Criminal Justice Sciences, New York, USA.
67. Rege, A. (2012). "Lights Out! Exploring Offender Rationality for Cyber-crimes Against the Electricity Sector". Paper presented at the annual meetings of the American Society of Criminology, Chicago, USA.
68. Rege, A. (2010). "Digital Information Warfare Trends in Eurasia". Paper presented at the annual meetings of the American Society of Criminology, San Francisco, USA.
69. Rege, A. (2009). "Love Bytes, Date Baits, and Cyber Sweethearts: A Study of Online Dating Crimes and Criminals". Paper presented at the annual meetings of the American Society of Criminology, Philadelphia, USA.

⁵ 1 BSides is a community-driven framework for building events for and by information security community members. It creates opportunities for individuals to both present and participate in an intimate atmosphere that encourages collaboration. It is an intense event with discussions, demos, and interaction from participants.

⁶ SOURCE fosters a community of learning where business and security professionals come together to gain knowledge and skills, network with peers, and advance their careers and professional development

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70. McMullan, J. & **Rege, A.** (2009). "Cybernomads, Dot.cons, and Criminal Assemblages". Paper presented at the Canadian Criminal Justice Association, Halifax, Canada.
71. McMullan, J. & **Rege, A.** (2009). "Online Crime and Internet Gambling". Paper presented at the Canadian Alcohol and Gaming Regulators Association, Halifax, Canada.
72. McMullan, J. & **Rege, A.** (2009). "Cheating and Cybercrime @ Gambling Sites.com". Paper presented at the Alberta Gaming Research Institute Conference on Internet Gambling, Banff, Canada.
73. Rege, A. (2009). "Cyberattacks Against Critical Infrastructures: A Study of Online Criminal Techniques and Organization". Paper presented at the annual meetings of the Academy of Criminal Justice Sciences, Boston, USA.
74. Rege, A. (2007). "Cybercrime, Online Gambling, and the Problem of Governance". Paper presented at the Crime, Law and Regulation: An Interdisciplinary Graduate Conference, Toronto, Canada.
75. McMullan, J. & **Rege, A.** (2006). "Fear and Trembling on the Internet: Hacking and Cyber-Extortion at Online Gambling Sites". Paper presented at the Nova Scotia Responsible Gambling Conference, Halifax, Canada.

Invited Addresses and Colloquia

1. Rege, A. (2019). Illicit Sand Mining, Illicit Supply Networks Conference, University of Alabama in Tuscaloosa.
2. Rege, A. (2019). Human Factors Panel. NSF Cybersecurity Research Transition To Practice (TTP) workshop, June 19, 2019, Chicago, IL, USA.
3. Rege, A. (2019). "The Role of the Social Sciences in the Cybersecurity Dialog". Keynote Address. Cyber Situational Awareness. June 3-4, 2019, University of Oxford, Oxford, England, UK.
4. Rege, A. (2019). CLA Graduation Ceremony Faculty Address. Temple University, January 31, 2019, Philadelphia, PA, USA.
5. Rege, A. (2018). "Cyberattack Forecasting – Hype or Hope?" Panel. MILCOM, October 29-30, 2018, Los Angeles, CA, USA.
6. Rege, A. (2018). Case Studies on the Application of Cognitive and Social Sciences to the Cyber-Physical World. Resilience Week, August 20-23, 2018, Denver, CO, USA.
7. Rege, A. (2018). A Temporal Assessment of Adversarial Intrusion Chains, Adaptation and Group Dynamics Using a Real-time Cybersecurity Exercise Case Study. Great Lakes Software Excellence Conference (GLSEC), Grand Rapids, MI, USA.
8. Rege, A. (2017). Tainted Love: Social Engineering at Dating Websites, Cyber Security Summer School, Tallinn, Estonia, July 10-14.
9. Rege, A. (2016). Understanding, Measuring & Evaluating the Human Component in Adversarial Attack Paths. Adversarial Risk Analysis for Critical Infrastructure, Lorentz Center workshop, Leiden, Netherlands, May 23-27.
10. Rege, A. (2015). The Evolution of Transnational Organized Crime (TOC) Networks, US Special Operations Command (SOCOM's) Annual Counter Threat Finance Working Group, September 22-24.

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11. Rege, A. (2015). Anticipating Transnational Threats and Risks, NIJ Expert Working Group on the future of Transnational Organized Crime, April 28-29.
12. Rege, A. (2014). Cyberwar and National Security. Lessons from the Edge: Strategies of Cyber-Security, Fox School of Business, Temple University, March 10.
13. Rege, A. (2013). The Adaptive Adversary: Investigating the Human Element in Power Grid Cyberattacks, Florida International University, November 1.
14. Rege, A. (2012). Offender Decision Making in Industrial Control Systems Cybercrime. Cyber Infrastructure Protection '12, September 13-14.
15. Rege, A. (2008). Cybercriminology: Moving Towards a Theory for Crime and Criminality in Cyberspace. Rutgers Center for Information Management, Integration and Connectivity, September 24.

Workshops Organized

Rege, A., Nguyen, T. & Bleiman, R. (2019). Social Engineering Workshop. 2019 NSF Cybersecurity Summit. San Diego, California.

Conference Posters

Koehnlein, J. (*), Slater, K. (*) & **Rege, A.** (2014). The Fentanyl-Laced Heroin Epidemic: A Comparative Analysis of Pennsylvania Media Representations and Nationwide Data. Poster presented at the Substance Abuse in the 21st Century [Research Conference Organized by A Symposium sponsored by the Temple University Substance Abuse Research Consortium (SARC) and the Office of the Senior Vice Provost for Research], Temple University, Philadelphia, April.

Teaching

<i>Course</i>	<i>Semester</i>
Theories of Crime and Deviance (graduate) (8106/ 38079)	Fall 2019
Special Topics: Cybercrime (graduate) (8320/29525)	Spring 2017
Special Topics: Global and Transnational Crime (graduate)(8310/23941)	Spring 2015
Media, Crime, and Criminal Justice (undergraduate) (3000/26302)	Fall 2015, Spring 2019
Computer Crime (undergraduate) (4007/19046)	2012-present
Organized Crime (undergraduate) (3403/3640)	Spring 2013, Fall 2014, Spring 2018, Spring 2020
Nature of Crime (undergraduate) (2401/4628)	Fall 2013, Spring 2014, Spring 2015, Fall 2018

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Independent Study & Student Supervision (Undergraduate)

<i>Semester</i>	<i>Student</i>	<i>Independent Study (IS)/Student Award Project</i>
Summer 2019-	Rachel Bleiman	NSF CAREER Undergraduate Research Assistant
Fall 2019-	Mollie DuCoste	NSF CAREER Graduate Research Assistant
Fall 2019-	Trinh Nguyen	NSF CAREER Graduate Research Assistant
Summer 2018-	Katorah Williams	NSF EAGER Graduate Research Assistant
Summer 2018-	Alyssa Mendlein	NSF CAREER Graduate Research Assistant
Fall 2017- Spring 2018	Daniel McShane, Leon Moscherosch, Terry Hurst, Nathan Pham, Zois Bouikidis, Fangzhou Wang & Terry Hurst	NSF EAGER & NSF CAREER Undergraduate Research Assistants
Fall 2017	Edward Parker	NSF CAREER Graduate Research Assistant
Spring 2017	Nicholas Masceri & Brian Singer	IS: Understanding and Implementing Experiential Learning in Cybersecurity for the Liberal Arts
Fall 2015	Edward Parker	CARAS: Moving Towards Proactive Cyber-security
Spring 2015	Fernando Sterling	Diamond Peer Teacher
Spring 2015	Sidney Fowler	CARAS: Drones in Crime: The Impact of Technology on Criminality
Fall 2014	Joshua Koehnlein	CARAS: A Study of Organized Crime's Involvement in the Fentanyl-laced Heroin Trade in Philadelphia
Summer 2014	Kelly Slater	Diamond Research Scholar: The Palermo model: Incentivizing organized crime testimony
Summer 2014	Scott VanZant	CARAS: Online Radicalization and Terrorism
Spring 2014	Wilfred Beaye	IS: (Cyber) Extortion: An Assessment of the Enforcement Complications in Both Cyber and Physical Space
Spring 2014	Kelly Slater	CARAS: Misperceptions of Organized Crime: The Genesis and Persistence of the La Cosa Nostra Myth in Philadelphia
Fall 2013	Kelly Slater	IS: The role of political corruption in the success of organized crime: Philadelphia as a case study
Fall 2013	Wilfred Beaye	Diamond Peer Teacher
Spring 2013	Solena Laigle	IS: Organized Crime and Technology: Modes of Adaptation for Hells Angels

Service

Service to the Profession

Manuscript reviewer:

Cyber Science

Crime Science

International Journal of Comparative and Applied Criminal Justice

Journal of Research in Crime and Delinquency

International Journal of Knowledge Content Development & Technology

Journal of Homeland Security and Emergency Management

Anti-phishing Working Group

Service to regional, national and international professional organizations and conferences:

1. National Science Foundation Cybersecurity Summit, 2020, Program Committee Member
2. Layer 8 Social Engineering Conference, 2019-present, Content Committee Member
3. Cyber Situational Awareness, 2017-present, Program Committee Member
4. IEEE Industrial Electronics Society, Resilient Control Architectures and Systems for Energy, Track Chair, 2018
5. Global and Transnational Crime conference, 2017, Conference Organizer
6. National Science Foundation, 2016, 2017(x2), Proposal Panel Reviewer
7. Temple University's Cybersecurity in Action, Research and Education Conference, 2016, Co-organizer
8. European Conference on Cyber Warfare and Security ECCWS, 2016-present, Program Committee Member
9. International Conference on Cyber Warfare and Security ICCWS, 2015-present, Program Committee Member
10. Academy of Criminal Justice Sciences, 2016, Topic Area Chair for Cybersecurity
11. American Society of Criminology, 2014, Sub-Area Chair for Global/Transnational Crime and Justice
12. Anti-phishing Working Group e-Crime Conference, 2013, Technical Program Committee Member
13. The International Symposium on Environmental Criminology and Crime Analysis (ECCA), 2013, Web designer and administrator

Service to the University

2017-2019 College of Liberal Arts Events Committee

Service to the Department

2018-2019 Search Committee
2016-2017 Graduate Committee
2014-2016, 2017- Undergraduate Committee
 Theory Comprehensive Exam Committee
2013-2014 Graduate Committee
 Search Committee
 Theory Comprehensive Exam Committee
 Department Website
2012-2013 Undergraduate Committee
 Development Committee
 Theory Comprehensive Exam Committee

Professional Memberships

American Society of Criminology	2010-	Member
Academy of Criminal Justice Sciences	2015-	Member
The Infrastructure Security Partnership	2012-	Member
Women in Cybersecurity	2019-	Member

Media Interviews

(April 4, 2018). Interviewed by Philadelphia Voice, on "[What are 'sand mafias'?](#)"

(August/September 2017). Interviewed by www.mare.de (German magazine), on "The Sand War"

(August 8, 2016). Interviewed by Technical.ly, on [What do you think of when someone says they're a 'hacker'?](#)

(October 7, 2015). Interviewed by VICE NEWS, on [How India's 'Sand Mafia' Pillages Land, Terrorizes People, and Gets Away With It](#)

(October 31, 2012). Interviewed by WKYC-TV 3, Cleveland, Ohio, on [Cyberattacks against the Power Grid](#)

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