



## NATIONAL SECURITY STUDIES

FALL SEMESTER 2017

### Research Roundup

#### Doctoral Program in Civil Security Leadership, Management and Policy

The Professional Security Studies Department faculty and alumni are engaged in on-going scholarly and applied research. This update is published each semester to inspire collaboration and curiosity among DSc faculty, students and alumni.

#### A Word from Librarian Fred Smith

A new portal is available for the JSTOR database - [JSTOR Security Studies](#). The portal features pre-selected topics and also gives researchers the ability to generate customer searches. In 2018, JSTOR will roll out a separate Security Studies database replete with published literature directly from the security field. The NJCU Library will continue to keep researchers informed about this new database, which will have a priority in the Library's acquisitions plan for the near future.

## Faculty Research

### Scott Fisher

#### Recent Publications:

- Provided editorial input for Army's doctrinal publication on Information Operations. Department of the Army. (Forthcoming). The Conduct of Information Operations. Army Techniques Publication, 3-13.1
- Fisher, S. What is the role of Information Operations in advise and assist missions? Or, when is a tweet more than just a tweet? White Paper. 1st Information Operations Command (Land), U.S. Army Cyber Command.

#### In the Works:

- What makes North Korea angry? Using sentiment analysis to measure Pyongyang's response to common foreign policy tools. Paper proposal for Midwest Political Science Association (MPSA) annual conference (April 2018)
- Beyond soldiers, sanctions, and diplomacy – adding cyber and information operations to the foreign policy toolkit. PhD Dissertation.

#### Interest Areas:

International & National Security, North Korea, East Asia, Foreign Policy, Information Operations/Warfare, Digital Humanities, Open Source Intelligence, Sentiment Analysis

### Graig R. Klein, Ph.D.

#### Recent Publications:

- Klein, G. R. & Regan, P. M. (Forthcoming). Protest Dynamics. International Organization
- Farrer, B. & Klein, G. R. (2017). The Political Roots of Domestic Environmental Sabotage. *Journal of Elections, Public Opinion & Parties*, 27(2): 133-155.

#### In the Works:

- Escalating Political Unrest: From Protest Events to Civil War. With Regan, P. M
- Refugees, Terrorism and National Security: A Closer Look
- How Radical Environmental Violence Impacts US Elections. With Farrer, B
- Domestic Terrorism as a Strategy of Retribution
- Hit Them When They're Down: Rethinking Transnational Terrorism as a Strategy of Provocation
- Predicting Armed Conflict Using Machine Learning. With Tatonetti, N.
- Presidential Use of Force in the Drone Age. With Boddery, S.S.
- Does Decentralization Alleviate Malcontent? Territorial Distribution of Power & Protest Events. With Madariaga, A. G.

#### Interest Areas:

- International & National Security, Terrorism & Counterterrorism, Political Violence, Conflict Processes & Escalation, Protests, US Foreign Policy, Government Repression, Asymmetric Bargaining

### Michael Krantz, CPP, Ph.D.

#### In the Works:

- On-going applied research regarding best practices for curriculum, faculty development, and articulation agreements for university partnerships with community colleges.

#### Interest Areas:

- Student Learning Models, Human Behavior, Chaos Theory

### Kathleen Donohue Rennie, Ph.D., APR, Fellow PRSA

#### Recent Publications:

- McCorkindale, T. & Rennie, K. Students Get Additional Tools to Stand out When They Start Out. *Public Relations Tactics*, January 3, 2017.
- Rennie, K. & Byrum, K. MBA Program Grows, Conducts Research about Program Outcome. *Public Relations Tactics*, December, 201
- Liberman, C. L., Stassen, H., & Rennie, K. Using the Social-Mediated Crisis Communication (SMCC) Model to Examine Post-Crisis Rhetoric: A Case Study of Defeatgate. *Crisis Risk and Crisis Communication*. August 2017: Kendall Hunt Publishing Company, Dubuque, IA.

#### In the Works:

- One of 50 leading public relations researchers/educators from across the United States to collaborate in writing a chapter on Faculty Credentials for inclusion in the prestigious 2017 Commission Report on Public Relations Education to be published in December 2017.
- Rennie, K., Byrum, K., Tidwell, M. & Chitkara, A. (forthcoming). Strategic Communication in MBA Curriculum: A Qualitative Study of Student Outcomes. *Journal of Management Education*.
- Byrum, K. & Rennie, K. (forthcoming), Enhancing Perceptions of the Value of Public Relations Through MBA.

#### Interest Areas:

- Integrated Marketing Communication, Crisis Communication, Teaching Strategic Communication to Graduate Students in Programs Other than Communication

### Kutub Thakur

#### Recent Publications:

- Thakur, K., Ali, M., Jiang, N., & Oiu, M. (2016). *The Impact of Cyber-Attacks on Critical Infrastructure*. 2nd IEEE International Conference on Big Data Security
- Thakur, K., Ali, M., Oiu, M., & Gai, K. (2016). *Information Security Policy for E- Commerce in Saudi Arabia*. 2nd IEEE International Conference on Big Data Security.
- Thakur, K., Kopecky, S., Nuseir, M., Ali, M., & Oiu, M. (2016). *An Analysis of Information Security Event Managers*. 3rd IEEE International Conference on Cyber Security and Cloud Computing.
- Ali, M., Thakur, K., Tappert, C., & Oiu, M. (2016). *Keystroke Biometric User Verification Using Hidden Markov Model*. 3rd IEEE International Conference on Cyber Security and Cloud Computing.
- Thakur, K., Oiu, M., Gai, K., & Ali, M. (2015). *An Investigation on Cyber Security Threats and Security Models*. IEEE 2nd International Conference on Cyber Security and Cloud Computing.
- Ali, M., Thakur, K., Monaco, V., & Oiu, M. (2015). *An Approach to Minimize Crossings in Phylogenetic Trees*. IEEE 2nd International Conference on Cyber Security and Cloud Computing.
- Thakur, K., Ali, M., Tao, L. (2016). *Connectivity, Traffic Flow and Applied Statistics in Cyber Security*. IEEE International Conference of Cyber Security.
- Thakur, K. (July 2015). Analysis of Denial of Services (DOS) Attacks and Prevention Techniques. *International Journal of Engineering Research & Technology*, 4(07), ISSN: 2278-0181.
- Thakur, K., Kopecky, S., Nuseir, M., Saxena, N., & Copeland A. (2016) *An analysis of information security event managers and data extracted from detecting hidden threats*. *Pace University Research Day*.
- Thakur, K., Tao, K., Wang, T., & Ali, M. (2016). *Cloud Computing and its Security Issues*. *Journal for Application and Theory of Computer Technology*, December.

#### In the Works:

- *Hybrid approach of swarm optimization to teach and neural network for intrusion detection*
- *Self-adapting dictionary using machine learning method (Supervised classification method – SVM)*
- *Innovation of social engineering defense - the mechanism, measurement and defense*.
- *Phishing attacks defense and Topic Blacklist improvement*

#### Interest Areas:

- Cyber Security, Digital Forensics, Machine Learning

## DSc Program Alumni Research

### George Edafese Alakpa, DSc, PhD, MPH, MSc, BSc, CSci, FIBMS

Director, Military Affairs & Policy, American Military Family Immigration Services, Inc.]

#### Recent Publications:

- Alakpa G.E. (2017). *Can Fundamental Islamic Jihad Terrorism be Defeated: How Feasible?* *Austin Emerg Med*, 3(2): 1056.
- Alakpa, G.E. (2017). *The Destruction of America, The Mission of the American Progressive Left Wing? Effect on Nation and Health Security, Personal Opinion of a Combat Veteran Migrant*. *Austin Emerg Med*, 3(2): 1055.
- Alakpa, G.E (2016). *Country Border, Immigration Control and National Security in this Era of Terrorism*. *Austin Emerg Med*, 2(8): 1042.
- Alakpa, G.E. & Collins, J. W. (2016). *Current Department of Defense Entry Control Point Search Procedures and the Possible Breach of a Combat ECP With a Bioagent: A Preliminary Report of the Perceptions of Military Personnel*. *Austin Emerg Med*, 2(4): 1022.
- Alakpa, G.E. & Collins J.W. (2015). *The effectiveness of the department of defense's field manual 3-11 in detecting, deterring and degrading the breach in a combat base by a human-borne with bioagent (HBBA): perception of security personnel*. *Military Medical Research*, 2.36. DOI. 10.1186/s40779-015-0065y
- Alakpa, G.E & Collins, J. W. (2015). *The possibility of a human-borne with bioagent (HBBA) terrorist at foreign FOB ECPs: the perceptions of U.S. military or security personnel, a preliminary report*. *Military Medical Research*, 2.34. DOI 10.1186/s40779-015-0064-z
- Alakpa, G.E. (2015). *Bioterrorism possibility, The Perceptions of Security Officers in Nigeria and Buea, Cameroon*. *EC Microbiology*, 2.3:337-346.
- Alakpa, G.E. (2015). *Possibility of a human with a bioagent breaching a country's point of entry: Perceptions of security officers at the Murtala Muhammed International (MMI) Airport, Lagos, Nigeria- Preliminary Report*. *EC Microbiology*, 1.4: 195-205.
- Alakpa, G. E. (2015). *The New Threat to Watch and How is the United States Strategy Holding?* *EC Microbiology*, 1.4: 166-174.
- Alakpa, G. (2016). *Analyzing U.S. DoD's Counter Bioterrorism measures at the Tactical Level*. LAP LAMBERT Academic Publishing, Germany. ISBN: 978-3-659-56333-1

#### Conferences / Seminars / Workshops

- 2017 ASM BIOTHEREATS Research, Response, and Policy. Washington, DC. Feb. 6-8, 2017.
- ASM Biodefense and Emerging Diseases Research Meeting. Arlington, VA, Feb. 8-10, 2016.

#### Areas of Interest:

- National Security/Bioterrorism, Public Health, Health Security and Education, Veterans' Issues Advocating

### Ron Hurley, DSc, CPP

Associate Vice President, Department of Public Safety, NJCU

#### Recent Publications:

- Hurley, R. & Fennelly, L. Designing Security and Working with Architects. *Effective Physical Security*, 5th Edition. Butterworth-Heinemann.
- Hurley, R., Fennelly, L., Watson, L., Perry, M., & Black, I. S. Human Trafficking and Slavery: A Global Crime, ASIS International School Safety and Security Council, White Paper.

#### Areas of Interest:

- School Security, Emergency Management, Crisis Management, Assessing Risk

### Bernard A. Jones, DSc, CBCP

Assistant Professor, St. John's University, Homeland Security

#### Recent Presentations:

- Sungard Availability Services, New York Regional User Group Meeting, October 5, 2017, Lessons Learned/Best Practices - Conducting Business Impact Analyses at Large Global Organizations.
- Association of Continuity Professionals (ACP) - Webinar Series - ACP September National Webinar, September 20, 2017, Organizational Resilience - Observations and Tips from the Field.
- 2017 BCI Africa & Indian Ocean Islands Conference, Business Continuity Institute (BCI), South Africa, September 12, 2017, Organizational & Community Resilience Study - An Exploratory Research Study in South Africa.

#### Areas of Interest:

- Organizational Resilience, Task Technology Fit, Disaster Response and Communication, Coordination and Collaboration

### Arthur 'Art' Liberty, DSc

#### In the Works:

- Cultural and Ethical Decision Making for Domestic Emergency Responders Abroad
- Rapid Access to Patient Information in an Emergency: The Necessity for Nationally Merging Electronic Health Records
- Ethical Use of Unmanned Aerial Systems by First Responders
- Providing Safe Spaces and Other Techniques to Reduce Drug Overdoses at Mass Entertainment Gatherings

#### Areas of Interest:

- Applied Ethics, Healthcare Emergency Management, Unmanned Aerial Systems, Innovative Approaches to Public Health Issues

### Tim Mathews, DSc

Executive Director, Enterprise Resiliency, ETS

#### Recent Presentations:

- The Conference Board, Business Continuity, Crisis Management and Global Security Executives Council meeting, October 3-5, 2017, Using a Self-Declaration of Conformity (SDOC) methodology to address 3rd party resilience.

#### Areas of Interest:

- Crisis Management, Security Leadership, Active Shooter Training, Supply Chain Resilience

### Walta Nji, DSc

Director of Safety and Training (First Transit/Metro Access) WMATA Washington DC

#### Recent Publications:

- DICTOCRACY Emerging Political Systems in Africa (2017)
- Improving Transportation Safety in Africa (2017).
- Building Political Cultures (Upcoming)

#### Publications/Conferences in the Works:

- The role of the Diaspora in the political development of Africa (Presented in Washington DC 07/21/2017)
- Evidence of Torture in Southern Cameroons Political Crisis (Upcoming Oslo, Norway)

#### Areas of Interest:

- Paratransit Safety Training & Incident Management, Critical Infrastructure Protection, Maritime Transportation and Port Security, Land Transportation Security, National Security and Infrastructure, International Relations, Conflict Resolution

### Angelo L. Zecca, DSc, CCJP

Full-time faculty member, Berkeley College (School of Professional Studies)

#### Recent Presentations:

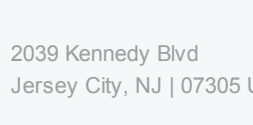
- Straight and Narrow Inc (Diocese of Paterson), Paterson, New Jersey, June, 2017, Situational Awareness - In The Drug and Alcohol Prevention Environment.
- Trenton School District (City of Trenton/School Security), Trenton, New Jersey, Aug, 2016, De-escalation Techniques.

#### Areas of Interest:

- Community Outreach, Law Enforcement and Academic Information Sharing, Critical Infrastructure Security

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