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Drew Conway

Research Interest – terrorism, insurgency, low-intensity conflict, cyber warfare, network analysis, agent-based modeling, statistical methods

EDUCATION

New York University, New York, NY USA
Ph.D. Student, Department of Politics (expected graduation May 2013)

Hamilton College, Clinton, NY USA
B.A., Double Major: Political Science & Computer Science (May 2004)

AWARDS & HONORS

Selected for U.S. Department of Homeland Security Graduate Fellowship, May 2008

MacCracken Fellowship, New York University, April 2008

Active U.S. National Security Clearance. Indoctrination: March, 2006

Selected for Phi Sigma Alpha, National Political Science Honor Society, May 2004

Rusty Smith Memorial Teaching Prize in Computer Science, Hamilton College, August 2003

Arthur Levitt Scholar, Hamilton College, January 2003

RESEARCH & WORKING PAPERS

Structurally Induced Random Graph Model of Social Networks, November 2009

Terrorist Hostage Taking: The Use of Deadly Force by the State and Event Duration, May 2009

Evidence for Enhanced Agenda-Setter Control Under Legislative Time Constraint, December 2008

Russia/Georgia Cyber War – Findings and Analysis, October 2008 (Project Grey Goose contributor)

PyVote – a Python package for agent-based modeling of political interactions

PROFESSIONAL AFFILIATIONS

New York City Editor, *Complex Terrain Laboratory*
CTLab is an independent, interdisciplinary project focused on problems of international relations, international law, and political violence.

Co-organizer, *New York City R Statistical Programming Meetup*

INVITED TALKS

“NetworkX introduction: Hacking social networks using the Python programming language,” a half-day workshop delivered at the 2010 Sunbelt Conference on Social Network Analysis in Trento, Italy, June, 2010.

“Social Network Analysis in R,” delivered to the Bay Area R Statistical Programming Users Group at the LinkedIn corporate headquarters; San Francisco, CA, November, 2009.

“Structurally Induced Random Graph Model of Social Networks,” delivered at the 2009 Network Science Workshop at the United States Military Academy, October 2009.

Classified briefing, delivered at the “Threat Finance Working Group – A Deep Dive into Informal Money Transfer Mechanisms”, sponsored by the National Ground Intelligence Center, July 2008

“Information Technology’s Affect on Nationalism and National Identity”, delivered at the National Undergraduate Honors Conference, at the Annenberg School of Communication at the University of Southern California, October 2004.

“Collapsing the al-Qaeda Network”, delivered at the North American Association for Computational Social and Organizational Science Conference at Carnegie Mellon University, August 2004

Panel participant at first ever National Conference on Law and Terrorism at the United States Military Academy. The conference brought together students from several top undergraduate programs, as well as all of the U.S. service academies, to discuss current national security policy and counter-terrorism options, with a focus on their legal, political, and social implications, April 2003.

RESEARCH EXPERIENCE

Worked with classified U.S. government agency to develop a process for analyzing leadership emergence in covert network. The study combined structural knowledge of these networks with personality and physical trait data associated with leadership emergence gleaned from intelligence reporting, 2007-2008

Worked with classified U.S. government agency to develop a new methodology for analyzing banking networks geospatially. Then, delivered a finished intelligence product using the methodology to analyze a specific Asian country's global banking network, 2008.

In conjunction with the University of Iowa and Cornell University to perform research for the Defense Advanced Research Projects Agency’s (DARPA) Defense Science Office (DSO) into the applicability of using massively multiplayer online games (MMOG) for modeling and investigating social science problems related to national security. The experiment tested conflict escalation and de-escalation through a game theoretic coordination simulation using human participants, 2007-2008.

Participated in the Office of Naval Research's (ONR) Proactive Intelligence (PAINT) research initiative. As part of a large research collation made up of several university and industry leaders, researched and developed a stochastic model for assessing and simulating the evolution of dynamic social networks. As part of this team, I developed new stochastic methods for efficiently calculating dynamic network change, 2007-2008

PREVIOUS
EMPLOYMENT

Booz Allen Hamilton, Inc., McLean, VA, Associate, 2005-2008

Leslie Harris and Associates, Washington, DC, Junior Associate, 2004-2005