

Andrew G. Conway

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Research interests: *formal methods, national security, network analysis, graph theory, elections, campaign finance*

EDUCATION

New York University, New York, NY
Ph.D. in Politics, expected June 2013

Hamilton College, Clinton, NY
B.A. with honors in Government and 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 TS/SCI 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

Alexander Hamilton List (Top 100 writers), Hamilton College, January
2003 and August 2002

Arthur Levitt Scholar, Hamilton College, January 2003

PREVIOUS RESEARCH

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.

Worked 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

CONFERENCE PRESENTATIONS

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. The benefits inherent to information technology and global connectedness are well established. It can, however, affect and change notions of nationalism and national identity in those places it reaches. The paper investigates and explains this phenomenon and presents several examples, October 2004.

“Collapsing the al-Qaeda Network”, delivered at the North American Association for Computational Social and Organizational Science Conference at Carnegie Mellon University. The paper discussed the similarities between the intricate social network formed by al-Qaeda and the technically intricate information network known as the Gnutella network. In this observation, the paper illustrated how national security policies for dealing with al-Qaeda can be drawn directly from a study of computer networks, 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.

PREVIOUS EMPLOYMENT

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

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