

# Philip M. Baxter

# Curriculum Vitae

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## **EDUCATION**

- 2012 – Present      **Georgia Institute of Technology**  
Ph.D. Candidate in International Affairs, Science, and Technology  
Fields: International Security, International Relations Theory, Comparative Politics  
Technical Minor: Nuclear Engineering  
GPA: 4.0/4.0
- 2006-2009      **George Mason University**  
M.P.P., Public Policy  
Research Focus: National Security Policy-Making  
GPA: 3.61/4.0
- 2002-2006      **Grove City College**  
B.A., Political Science and History

## **PROFESSIONAL EXPERIENCE**

- July 2011-March 2014      **MELE Associates**      Washington, DC  
*Program Analyst, College of International Security Affairs, National Defense University*
- June 2010-July 2011      **Pacific Northwest National Laboratory**      Washington, DC  
*Nonproliferation Fellow, Office of North and South American Threat Reduction  
National Nuclear Security Administration, Department of Energy*
- Dec. 2006-June 2010      **International Monetary Fund**      Washington, DC  
*International Security Analyst, Security Services Division*

## **TEACHING EXPERIENCE**

Instructor of Record: *American Government in Comparative Perspective*, GA Tech, Summer 2013, 2014, 2015  
Teaching Assistant: *Introduction to International Relations*, GA Tech, Spring 2013  
Teaching Assistant: *Science, Technology and International Affairs*, GA Tech, Fall 2012  
Course Lecturer: *Controlling the Bomb*, NDU. Fall 2011 and Spring 2012

## **CONFERENCE PAPERS & PRESENTATIONS**

- “Small States, Strong Ties? Qatar and its Geopolitical Environment” at the 2015 International Studies Association Annual Conference, New Orleans, Louisiana (co-authored with Jenna Jordan and Lawrence Rubin)
- “Technology and Knowledge Transfer in Nuclear Proliferation Networks: An Iran Case Study” at the 2015 International Studies Association Annual Conference, New Orleans, Louisiana (co-authored with Justin V. Hastings and Adam N. Stulberg)
- “The False Hope of Nuclear Forensics?: Forensics in Times of Crisis” at the 2015 Georgia Tech Research and Innovation Conference’s Ivan Allen Paper Competition, Atlanta, Georgia
- “The False Hope of Nuclear Forensics” at the 2014 ISAC-ISSS Joint Annual Conference, Austin, Texas

“Tacit Knowledge in Nuclear Weapons Programs: A Network Approach” at the 2014 International Studies Association South Regional Conference. Second Runner-up (\$150 award) in Jim Winkates Graduate Student Paper Competition, Richmond, Virginia

“Pyroprocessing and the Republic of Korea: A Policy Review” at the 2013 Institute of Nuclear Materials Management, Palm Springs, California

“Explaining the Puzzle of Nuclear Forbearance: States, Prudence and Nuclear Decisions” at the 2013 Midwest Political Science Association, Chicago, Illinois (co-authored with Liz Dallas)

“Preventing Nuclear Smuggling: An Analytical Approach to Evaluating Nuclear Security Effectiveness” at the 2013 Georgia Tech Research and Innovation Conference’s Ivan Allen Paper Competition

### **POLICY/NON-PEER REVIEWED**

“The False Hope of Nuclear Forensics? Assessing the Timeliness of Forensics Intelligence,” *Public Interest Reports*, Federation of American Scientists, (Spring 2015, Vol. 68, Num. 2): <http://bit.ly/1JBoM0C>

“Should We Fear China's Growing "Naval Tourism"?,” Real Clear Defense, March 4, 2015: <http://bit.ly/1N84ABV>

“What Crunching the Data Tells Us About China’s Naval Port Visits: The PLAN likes to drop anchor near rich,” War is Boring, March 3, 2015: <http://bit.ly/18RQdFm>

“The Lavizan-3 Site,” Arms Control Wonk, March 3, 2015: <http://bit.ly/18KnthR>

### **AWARDS**

Outstanding Graduate Student 2014-2015, International Affairs Department, GA Tech

Sam Nunn Security Fellow, 2014-2015 (\$5000)

Second Runner-up, Jim Winkates Graduate Student Paper Competition, ISA-South, 2014 (\$150 & Dues)

Public Policy and Nuclear Threats, Institute for Global Conflict and Cooperation, 2013 (Travel and Stipend)

### **PROFESSIONAL DEVELOPMENT**

Nuclear Science and Security Consortium and the Monterey Institute of International Studies Workshop on Applications of Open Source Tools for Nuclear Nonproliferation Research, January 2015

Institute for Global Conflict and Cooperation: Public Policy and Nuclear Threats Training Program, August 2013

Center for Nonproliferation Studies/Lawrence Livermore National Laboratory: International Safeguards Policy and Information Analysis, July 2013

Oak Ridge National Laboratory: Non-Destructive Analysis Training International Safeguards Class, March 2013

Comprehensive Test Ban Treaty Organization: Advanced Science Course, "Around the Globe and Around the Clock: The Science and Technology of the CTBT", November 2012

### **WORKING PAPERS**

“Tacit Knowledge in Nuclear Weapons Programs: A Network Analysis Examination of the Epistemic Communities and Institutional Effects in Nuclear Proliferation”

“A Network Approach to Assessing Soft Power”

“Technology and Threat Perception: Nuclear Technology as a Determinant of Threat”

“Radiological and Nuclear Smuggling: A Network Analysis Approach”

“China’s Naval Intentions: Empirical Review of Chinese Maritime Activities”

### **MEMBERSHIP**

American Association for the Advancement of Science

American Political Science Association

Institute of Nuclear Materials Management

International Network for Social Network Analysis

International Studies Association

### **COMMUNITY INVOLVEMENT**

Member & Former Vice President, International Affairs Graduate Organization, GA Tech

Member & Former Treasurer, GA Tech INMM Student Chapter/Founding Member

Member, Young Professional in Foreign Policy

### **SOFTWARE CAPABILITIES**

Microsoft Office Suite, Python, NLTK, SQL

Geospatial: ArcGIS, GeoDA

Statistical: STATA, SPSS, eViews, R

Network Analysis: \*ORA, Gephi; NodeXL, AutoMap