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CURRENT POSITION

University of Sydney. Lecturer, Centre for International Security Studies, January 2012 –

- Research and teaching interests: technology and international security, biological weapons, global health, quantum computing, cyber defense

EDUCATION

University of Chicago

- Ph.D., Political Science, 2009
Dissertation: *A Casualty of Kinetic Warfare? Military Neglect and the Rise of Civilian Biodefense*
Committee: Charles Glaser (chair), James Evans, John Mearsheimer, and John Padgett
- M.A., Political Science, 2003
- B.S., Biological Chemistry, 2000

BOOK

American Biodefense: How Dangerous Ideas About Biological Weapons Shape National Security
(Cornell University Press, 2014).

ARTICLES, CHAPTERS, AND OTHER PUBLICATIONS

“Advancing Science Diplomacy: Indonesia and the U.S. Naval Medical Research Unit.”
Social Studies of Science 44, 6 (2014), pp. 825-847.

“Conflict, Instability, and Health Security,” in Simon Rushton and Jeremy Youde eds.,
Routledge Handbook of Health Security (Routledge, 2014), pp. 141-150.

“Antipodal Biosecurity? Oversight of Dual Use Research in the United States and Australia.”
Co-authored with Adam Kamradt-Scott. *Frontiers in Public Health* 2, 142 (2014), pp. 1-3.

“The Struggle for Soft Power in Asia: Public Diplomacy and Regional Competition.”
Co-authored with Ian Hall. *Asian Security* 9, 1 (2013), pp. 1-18.

“Insights into Surveillance from the Influenza Virus and Benefit Sharing Controversy.”
Global Change, Peace & Security 24, 1 (2012), pp. 71-81.

"A Casualty of Kinetic Warfare: Military Research, Development, and Acquisition for Biodefense." *Security Studies* 20, 4 (2011), pp. 663-696.

"Look But Don't Touch: Overemphasis on Surveillance in Analysis of Outbreak Response." *Global Health Governance* 3, 2 (2010), pp. 1-15.

Review of *The Empire of Civilization*, by Brett Bowden. *Australian Journal of International Affairs* 63, 3 (2010), pp. 376-377.

"WHO Governs? Limited Global Governance by the World Health Organization during the SARS Outbreak." *Social Alternatives* 28, 2 (2009), pp. 9-12.

SELECT PRESENTATIONS

"From Health to Cyber Security? Information Sharing on Malware and Infectious Disease."
Presented at the British International Studies Association Annual Conference, 2015.
Previous version presented at the International Studies Association Annual Convention, 2015

"Divided by Common Language? Comparing Interpretations of Cyber Attack."
Presented at the Australian Political Studies Association Annual Convention, 2014

"The Security Dilemma and 'Non-Traditional' Threats."
Presented at the International Studies Association Annual Convention, 2013

"Towards a Theory of Science Diplomacy: Indonesia and the US Naval Medical Research Unit."
Presented at the Oceanic Conference on International Studies, 2012.
Previous version presented at the International Studies Association Annual Convention, 2012

"Enduring Stereotypes: Quantitative Analysis of 'WMD' & Related Terms in Military Doctrine."
Presented at the International Studies Association Annual Convention, 2012

"Realism and Transnational Outbreaks of Infectious Disease."
Presented at the Biosecurity, Resilience, and Government Workshop, University of Sydney, 2011

"Influenza, International Law, and Intellectual Property Rights."
Presented at the Griffith Asia Institute Research Seminar, 2010

"Power, Interest, and Risk: Governing Outbreaks of Infectious Disease."
Presented at the International Studies Association Annual Convention, 2010.
Previous version presented at the American Political Science Association Annual Meeting, 2009

"SARS Revisited: Limited Global Governance of Infectious Disease."
Presented at the Griffith Asia Institute Research Seminar, 2009

“Military Biodefense – A Casualty of Kinetic Warfare?” Presented at the Center for International Security and Cooperation Social Science Seminar, Stanford University, 2008.

Previous version presented at the International Studies Association Annual Convention, 2008

“Cultural Neglect? Explaining the Limits of Military Biodefense.”

Presented at the Program on International Security Policy, University of Chicago, 2006

“Assessing the Threat of Biological Weapons to the U.S. Military.”

Presented at the National Defense Research Institute, RAND Corporation, 2005

“BioShield or Pandora’s Box? The Impact of Defense Politics on Biotechnology.” Presented at the Program on International Politics, Economics, and Security, University of Chicago, 2004

“Technology Trajectories – Modeling the Effects of Social and Technical Diversity on Technological Development.” Presented at the Agent 2004 Conference on Social Dynamics, Argonne National Laboratory, 2004

TEACHING EXPERIENCE

University of Sydney. Lecturer, Department of Government and International Relations

- Undergraduate course, “Science, Technology, and International Security,” 2013, 2014, 2015
- Undergraduate course, “Introduction to Non-Traditional Security,” 2013, 2014
- Graduate course, “Cyber Security,” 2013, 2014, 2015
- Graduate course, “Alliances and Coalition Warfare,” 2012

University of Chicago. Teaching Assistant, Department of Political Science

- Taught section and graded with Melissa Harris-Lacewell for “American Government,” 2006
- Taught section and graded with Charles Lipson for “Intro to International Relations,” 2003
- Taught and graded a reading course with Alexander Wendt on “Global Health,” 2003

RELATED PROFESSIONAL EXPERIENCE

Griffith University. Research Fellow, Griffith Asia Institute, 2008 – 2011

- Affiliated with the Centre for Governance and Public Policy
- Also served as an Associate Investigator with the Australian Research Council Centre of Excellence in Policing and Security

RAND Corporation. Summer Associate, National Security Research Division, 2005

- Assessed the threat of biological weapons to the U.S. military
- Examined analytical training within the Intelligence Community

Argonne National Laboratory. Research Aide, Decision & Information Sciences Division, 2004

- Built an agent-based model and simulation of technological development

U.S. Department of Defense. Summer Intern, 2002

- Analyzed emerging technologies and technology transfers in the Middle East and Asia

ZymoGenetics, Inc. Research Intern, Protein Expression Technologies Group, 1999

- Designed a transfection procedure 6X more effective than methods previously used

GRANTS AND HONORS

- Bridging Support Grant, Analysing Cyber Defence Cooperation, University of Sydney, 2015
- Team Research Grant, Civil-Military Cooperation on Ebola, University of Sydney, 2015
- Research Grant, Comparing Interpretations of Cyber Attack, University of Sydney, 2013-14
- Department Nominee, Virginia M. Walsh Dissertation Award, American Political Science Association (Science, Technology and Environmental Politics Section), 2011
- Pre-Doctoral Fellowship, Center for International Security and Cooperation (CISAC), Stanford University, 2007-08
- Trustees Fellowship, Department of Political Science, University of Chicago, 2001-06

ADDITIONAL TRAINING

- Center for Computational Analysis of Social & Organizational Systems, Summer Institute
- UC Institute on Global Conflict & Cooperation, Public Policy & Biological Threats Program
- Arizona State University, Institute on Qualitative Research Methods
- Santa Fe Institute, Complex Systems Summer School

PROFESSIONAL SERVICE

Reviewer, *European Journal of International Relations*, *Security Studies*, *Social Studies of Science*, *Biosecurity and Bioterrorism*, *Global Change Peace & Security*, *Global Public Health*, *Review of International Studies*, *SAGE*, *Georgetown University Press*, *Oxford University Press*

REFERENCES

Charles Glaser, Professor, Elliott School of International Affairs, George Washington University. cglaser@gwu.edu. (202) 994 8193.

Lynn Eden, Senior Research Scholar, Center for International Security and Cooperation, Stanford University. lynnedden@stanford.edu. (650) 725 5369.

John Mearsheimer, Professor, Department of Political Science, University of Chicago. j-mearsheimer@uchicago.edu. (773) 702 8667.