

# Stanton Nuclear Security Fellows Seminar

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## Fellows Alphabetically by Institution

### Tytti Erästö, BCSIA

Erästö is currently finishing her Ph.D. in International Relations in Tampere University, Finland, as part of the Finnish Research School for Political Studies. Her dissertation focuses on nonproliferation in the Middle East, particularly the UN Security Council process on Iran. Previously, she has worked as a researcher at the Tampere Peace Research Institute (TAPRI), Finland, and as a sub-editor of the Finnish political science journal *Politiikka*. In 2007-2008, she was a visiting scholar at the Department of International Politics, Aberystwyth University, UK. During her Stanton Nuclear Security Fellowship, her research will focus on the possibilities of finding a compromise solution to the Iranian nuclear dispute.

### Zhu Jianyu, BCSIA

Jianyu works at the Center for Strategic Studies, China Academy of Engineering Physics (CSS, CAEP). He received a Ph.D. in nuclear physics from Peking University in 2009. Since then, he has done research on nuclear policy analysis and technological problems in the field of nuclear security and nuclear disarmament in CSS. He wrote some publications on verification technologies. Now, he is doing research as a Stanton Nuclear Security Postdoctoral Fellow at the Belfer Center for Science and International Affairs at Harvard's Kennedy School of Government on the International Security Program/Project on Managing the Atom. He is focusing on nuclear non-proliferation, nuclear material protection, and risk assessment of nuclear terrorism.

### Rebecca Ward, BCSIA

Ward is a Ph.D. candidate in the Nuclear and Radiation Engineering Program at The University of Texas at Austin. She is spending the 2012-2013 academic year as a pre-doctoral Stanton Nuclear Security Fellow at the Belfer Center for Science and International Affairs at Harvard University. Her research focuses on optimizing inspection strategies to improve inspector efficiency at fuel cycle facilities. Ward has worked previously with the Security Systems Analysis group at Sandia National Lab and the Nonproliferation and Safeguards group at Brookhaven National Lab. She graduated in 2006 from McDaniel College in Maryland with B.A. degrees in Chemistry and Physics and in 2010 with an M.S. in Engineering from UT Austin.

### Iskander Rehman, CEIP

Rehman is an associate in the Nuclear Policy Program at the Carnegie Endowment and a Stanton Nuclear Security Fellow. His research focuses on security and crisis stability in Asia, specifically the geopolitical ramifications of naval nuclearization in the Indian Ocean. Prior to joining Carnegie, Rehman held fellowships at the German Marshall Fund in Washington, D.C. as well as at the Institute for Defense Studies and Analyses, and the Observer Research Foundation, both in New Delhi. He received a two-year grant for his work on South Asian naval dynamics from the French Ministry of Defense in 2008. His work has been published in peer-reviewed journals including *Asian Security* and the *Naval War College Review*, as well as in various think tank policy papers, on issues ranging from Sino-Indian rivalry in Asia to Australia's potential future role in Air-Sea Battle. His research has been featured in the *Economist*, *Financial Times*, *New Zealand Herald*, *Australian* and the *Guardian*. From 2008 to 2011, he was a regular contributor to *BBC World Service*, specializing in Asian territorial disputes. He is currently completing his doctorate in comparative politics at Sciences Po Paris.

### **Nick Wright, CEIP**

Wright's work combines two distinct fields. With respect to public policy, he was a Visiting Fellow in the Department of Government at the London School of Economics, and previously organized high-level public policy workshops and events in the UK. However, Wright is also biologically trained, having worked clinically as a neurologist in Oxford and at the National Hospital for Neurology in London – and he has worked for the past four years using new technologies like functional brain imaging to examine phenomena in economics and political science. Wright conducted this inter-disciplinary research as a Fellow at the Wellcome Trust Centre for Neuroimaging at University College London (UCL). Wright received a medical degree from UCL, a BSc in Health Policy from Imperial College London, has Membership of the Royal College of Physicians (UK), has an MSc in Neuroscience and a PhD in Neuroscience both from UCL.

### **Andrew J. Coe , CFR**

Coe is an Assistant Professor of International Relations at the University of Southern California and an adjunct member of the research staff at the Institute for Defense Analyses (IDA). During the 2012-13 academic year he is on leave, having been selected as a Stanton Nuclear Security Fellow at the Council on Foreign Relations in New York. His research interests include the political economy of war and peace and the strategic interactions inherent in the proliferation of nuclear weapons. He previously worked full-time on issues of defense organization and international security at IDA. He received a B.S. in mathematics from the California Institute of Technology and a PhD in political science from Harvard University.

### **Gregory D. Koblentz, CFR**

Koblentz is an Associate Professor in the Department of Public and International Affairs and Deputy Director of the Biodefense Graduate Program at George Mason University. During the 2012-2013 academic year he is on leave as a Stanton Nuclear Security Fellow at the Council on Foreign Relations in Washington, DC. Koblentz is also a Research Affiliate with the Security Studies Program at the Massachusetts Institute of Technology (MIT) and a member of the Scientists Working Group on Chemical and Biological Weapons at the Center for Arms Control and Non-Proliferation in Washington, DC. Koblentz is the author of *Living Weapons: Biological Warfare and International Security* (Cornell University Press, 2009) and co-author of *Tracking Nuclear Proliferation: A Guide in Maps and Charts* (Carnegie Endowment for International Peace, 1998). He received his Ph.D. from MIT, a Master in Public Policy (MPP) from the Harvard Kennedy School, and his B.A. from Brown University.

### **Jane Vaynman, CFR**

Vaynman is a Ph.D. candidate at the Department of Government at Harvard University. During the 2012-2013 academic year, she will be a Stanton Nuclear Security fellow at the Council on Foreign Relations in Washington DC. Vaynman's research focuses on security cooperation between adversarial states, the design of arms control agreements, and the nuclear nonproliferation regime. Previously, Jane worked at the Bureau of Arms Control, Verification and Compliance at the US Department of State, the Nonproliferation Program at the Carnegie Endowment for International Peace and conducted research in the Russian Federation on a Fulbright. Vaynman received her B.A. in International Relations from Stanford University with honors in security studies from the Center for International Security and Cooperation.

### **Målfrid Braut-Hegghammer, CISAC**

Braut-Hegghammer is an Assistant Professor at the Norwegian Defense University College. During the 2012-2013 academic year, she is a Stanton Nuclear Security Junior Faculty Fellow at CISAC, Stanford

University. Braut-Hegghammer received her Ph.D., entitled “Nuclear Entrepreneurs: Drivers of Nuclear Proliferation” from the London School of Economics in 2010. She received the British International Studies Association’s Michael Nicholson Thesis Prize for 2010. Between 2008 and 2010, she was a Predoctoral Fellow at the Belfer Center, Harvard University.

### **Vipin Narang, CISAC**

Narang is an Assistant Professor of Political Science at the University of Wisconsin-Madison. From 2010-2012, he was an Assistant Professor of Political Science at MIT and is a member of MIT’s Security Studies Program. He received his Ph.D. from the Department of Government, Harvard University in May 2010. His research systematically explores the effect of nuclear postures in deterring conflict and develops a theory for their origins in regional nuclear powers. It was awarded Harvard’s Edward M. Chase prize. Vipin holds a B.S. and M.S. in chemical engineering from Stanford University and an M. Phil with Distinction in international relations from Balliol College, Oxford University, where he studied on a Marshall Scholarship. He has been a fellow at the Olin Institute for Strategic Studies, Harvard University and a predoctoral fellow at the Belfer Center for Science and International Affairs, Harvard University. His research interests include nuclear proliferation, South Asian security, and general security studies. His work has been published in journals including *International Security*, the *Journal of Conflict Resolution*, and *International Organization*.

### **Gene Gerzhoy, MIT**

Gerzhoy is a Doctoral Candidate in International Relations at the University of Chicago’s Political Science Department. From 2012 to 2013, he is a Stanton Nuclear Security Fellow at MIT’s Security Studies Program. Gerzhoy’s dissertation explains why leaders abandon nuclear weapons activities. He argues that leaders do so as a consequence of superpower inducements, which succeed at producing abandonment when superpowers possess leverage. His research interests also include the military’s involvement in politics, the politics of authoritarian regimes, and decision-making biases. He received a B.S. from Georgetown University’s School of Foreign Service.

### **John Park, MIT**

Park is the Stanton Foundation Junior Faculty Fellow at MIT. His research focuses on the effectiveness of financial sanctions as a counterproliferation policy tool in the North Korean case. During 2007-2012, he directed Northeast Asia Track 1.5 projects at the U.S. Institute of Peace (USIP). He advises Northeast Asia policy-focused officials at the Departments of Defense, State, and the Treasury; National Security Council; and Congressional committees. Park previously worked at Goldman Sachs, where he specialized in U.S. military privatization financing projects. His publications include: “Assessing the Role of Security Assurances in Dealing with North Korea” in *Security Assurances and Nuclear Nonproliferation* (Stanford University Press, 2012); “North Korea, Inc.: Gaining Insights into North Korean Regime Stability from Recent Commercial Activities” (USIP Working Paper, May 2009); “North Korea’s Nuclear Policy Behavior: Deterrence and Leverage,” in *The Long Shadow: Nuclear Weapons and Security in 21<sup>st</sup> Century Asia* (Stanford University Press, 2008). Park received his M.Phil. and Ph.D. from Cambridge University and completed pre-doctoral and postdoctoral fellowships at the Belfer Center for Science and International Affairs at Harvard University.

### **Rachel Whitlark, MIT**

Whitlark is a sixth year Ph.D. candidate in the Political Science Department at the George Washington University and for the 2012-2013 academic year a Stanton Nuclear Security Fellow at the Massachusetts Institute of Technology. Her interests lie in international security and foreign policy decision-making and her research focuses on weapons proliferation, U.S. grand strategy, and threat perception. She is a

member of the Nuclear Scholars Initiative at CSIS, a regular participant with the Public Policy and Nuclear Threats program at IGCC, and a fellow with the Bridging the Gap Project's New Era Conference on Foreign Policy. Whitlark received a master's degree from Stanford University and a bachelor's degree also from George Washington. Prior to beginning her PhD, Whitlark worked in a variety of capacities in the Los Angeles office of AIPAC, the American Israel Public Affairs Committee.

### **Anthony Barrett, RAND**

Before beginning work as a Stanton Nuclear Security Fellow at the RAND Corporation in Arlington, Virginia, Barrett was a risk analyst with ABS Consulting in Arlington, Virginia. He is also Co-Founder and Director of Research of the Global Catastrophic Risk Institute. His research interests include risk analysis, risk management, and public policies in a wide variety of areas, including nuclear war, rapidly developing technologies, terrorism, hazardous materials, energy and the environment, and natural hazards. Barrett's work at ABS Consulting included risk assessment and informing risk management strategies for various parts of the US Department of Homeland Security (DHS), including the Nuclear Detection Office (DNDO), the Chemical Security Analysis Center (CSAC), the office of Risk Management and Analysis (RMA), the US Coast Guard, and Science & Technology (S&T). Barrett holds a Ph.D. in Engineering and Public Policy from Carnegie Mellon University and a B.S. in Chemical Engineering from the University of California, San Diego. He was also a postdoctoral research associate at the Homeland Security Center for Risk & Economic Analysis of Terrorism Events (CREATE) at the University of Southern California, and was a Federal Fellow of the American Society of Mechanical Engineers to DHS.

### **Jeff Kaplow, RAND**

Kaplow is a 2012-2013 Stanton Nuclear Security Fellow at the RAND Corporation and a Ph.D. candidate in political science at the University of California, San Diego. His research focuses on the causes and consequences of nuclear weapons proliferation and the role of international security organizations. Before coming to UCSD, he analyzed foreign nuclear programs for the U.S. government. He holds a master's degree in international security policy from Harvard's Kennedy School and a B.A. in political science from Yale.

### **Jaganath Sankaran, RAND**

Sankaran worked for three years with the Indian Missile R&D establishment before coming to the University of Maryland for his doctorate in Public Policy. He was trained as an engineer and during three years in India, he worked in the areas of missile aerodynamics and modeling. He was also involved in the developmental study of a ballistic missile defense system architecture. It is during this time that his interest in space weapons and arms control developed. During the 2012-2013 academic year, he is pursuing his post-doctoral fellowship at the RAND Corporation in Washington D.C. as a Stanton Nuclear Security Fellow. Sankaran received his B.Tech from National Institute of Technology, India and his Master of Engineering and Public Policy from the University of Maryland.