

PUBLIC POLICY
AND
NUCLEAR THREATS

TRAINING THE NEXT GENERATION

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About the Participants

Brandon Boylan is a Ph.D. student in the Graduate School of Public and International Affairs at the University of Pittsburgh. His research interests include U.S. security policy, nuclear proliferation, and terrorism. At the University of Pittsburgh, he is a researcher in the Center for Disaster Management and the Center for Russian and East European Studies. Published journal articles include “Fissile Material, Stockpiles, and the Nuclear Menace” and “Moving beyond Coercive Diplomacy: A New Policy Approach toward Iran’s Nuclear Ambitions.” Previously, Boylan worked in the Center for International Studies at Wake Forest University. He holds a M.A. from the University of Limerick and a B.A. from Mercyhurst College.

Matt Gardner completed his Ph.D. in nuclear physics at the University of Birmingham, England, in 2007. During his postgraduate studies he worked at the Jyväskylä beam facility in Finland and the RIKEN national laboratory in Japan, carrying out investigations at the boundary of atomic and nuclear physics. Gardner is now trained as a nuclear physicist at the UK Atomic Weapons Establishment, working on a variety of projects including remote detection and radiochemistry techniques.

Rebecca Glazier completed her Ph.D. in political science at UC Santa Barbara in 2009 and recently joined the faculty of the University of Arkansas Little Rock. Her research examines how religion can motivate political action, and introduces the concept of providential beliefs as an explanatory tool. Glazier is interested in the relationship between religion and nuclear weapons—how religion might be used either to encourage the acquisition and use of nuclear weapons or to prevent it. She has published work on political Islam, Just War Theory, international conflict and genocide, and most recently on religiously-motivated violence in Iraq.

Nathan Gonzalez is a Fellow with the Truman National Security Project and a Ph.D. student in political science at UCLA. He is author of two books: *Engaging Iran: The Rise of a Middle East Powerhouse and America’s Strategic Choice* (Praeger, 2007) and the upcoming *The Sunni-Shia Conflict and the Iraq War: Understanding Sectarian Violence in the Middle East* (Nortia Press, 2010). His research interests include Middle Eastern regional security and the behavior of non-state actors. He received a master of international affairs from Columbia University in 2007, and a B.A. in political science from UCLA in 2004.

Bob Johns serves as a Deputy Assistant Director in the Domestic Nuclear Detection Office (DNDO), U.S. Department of Homeland Security. Bob's office is responsible for policy and program planning for the U.S. interior, with primary focus on enhancing capabilities of State and local public safety agencies. He previously served in the Office for Domestic Preparedness (ODP), DHS, where he was the Director of the Western Division within the Preparedness Programs Division. His division at ODP administered billions of dollars of funding and other direct support programs for homeland security related planning, equipment, training, and exercise activities. Johns started his service with ODP in 1999, when the Office was located within the Department of Justice (DOJ). Prior to ODP he served with DOJ's COPS Office as a Policy Analyst, and DOJ's Civil Division as a member of the Radiation Exposure Compensation Program. He has served with the Federal Government since 1993. Johns holds an M.P.A. from Virginia Tech and a B.A. in history from Mary Washington College.

Jihyun Kim is a doctoral candidate in the Department of Political Science at the University of South Carolina. Her general research interests include international security and cooperation, international law, nuclear proliferation, and foreign policy decision making. Kim was born and raised in Seoul, Korea. Before coming to the United States, she attended Hong-Ik University in Korea, studying oceanography and naval architecture. She has taught comparative politics at the University of South Carolina. She holds a B.A. in international studies from the Old Dominion University, and a M.A. in international affairs/comparative regional studies from the American University.

Sara Z. Kutcheshfahani is currently a doctoral candidate in political science and a Teaching Fellow in International Security at University College London. Her thesis explores the reasons why countries that could have developed a nuclear weapons program chose not to. Prior to her doctoral studies, Kutcheshfahani worked in nuclear non-proliferation policy at Los Alamos National Laboratory (LANL), the EU Institute for Security Studies, Paris, and at the International Institute (IISS) in London. In the summer of 2008, she worked as a summer research associate at the RAND Corporation in Washington, D.C. She holds an M.A. in European studies and a B.A. (Hons) in French, both from King's College London.

Anna E. Lee is a second-year Ph.D. student in international relations at Georgetown University's Department of Government, with a minor in Asian Studies. She is interested in institutions, identity and security in South and East Asia, with a particular focus on North Korea. Most recently, Lee spent two months as a researcher at the Japan Chair program at the Center for Strategic and International Studies (CSIS). Prior to matriculating at Georgetown, Lee worked for nine years as a consultant in the technology sector with various Fortune 500 clients and the federal government. She earned her B.S. in biology and political science from MIT and her M.Sc. in international political economy from the London School of Economics.

Jonathan Mark is a second-year political science Ph.D. student at UC San Diego. His research interests include WMD terrorism, military force structure and force employment, counter-insurgency and deterrence. His current research focuses on overcoming problems of credible commitment in deterring terrorists and insurgents. He received his B.A. in political science from UCLA.

Evan McCulla is a Ph.D. student in Political Science, entering his third year as a doctoral student at UC Irvine. His research interests within international relations are foreign policy decision-making and deterrence. Other interests include comparative civil-military relations and labor politics in China. He received his B.A. in politics from Earlham College in 2006.

Rupal Mehta is a second-year Ph.D. student in the Department of Political Science at UC San Diego. Her general research interests include nuclear weapons latency and deproliferation, WMD deterrence theory, and political violence among non-state actors such as insurgent groups and terrorist organizations. She received her B.A. in political science at UC Berkeley.

ENS Christina Moore-Gotcher recently graduated from the United States Naval Academy, majoring in systems engineering and mechanical engineering. During the course of her senior year she completed a research project on nuclear detection. She is now at UC Berkeley working towards a masters in nuclear engineering, after which she will join her ship and begin a career as a nuclear surface warfare officer, eventually running the nuclear reactors on aircraft carriers. When you talk to her you will notice an accent, which is due to living for 18 years in London with American parents.

LT Jeff Morrison originates from Huntington Beach, California. He is an active duty Navy nuclear-trained submarine officer, having served aboard USS HELENA (SSN-725). Currently working for the Defense Threat Reduction Agency (DTRA) at Fort Belvoir, VA, his responsibilities include training and evaluation of nuclear security policy and procedures. LT Morrison is a 2004 graduate of the United States Naval Academy where he received his B.S. in systems engineering. LT Morrison is currently enrolled in the M.S.E. program at Catholic University studying engineering management.

Jenny Nielsen is a doctoral candidate in the Department of Politics and International Relations at the University of Southampton, United Kingdom. Her thesis examines U.S. nuclear cooperation policy vis-à-vis Iran during the 1970s. At the University of Southampton's Mountbatten Centre for International Studies (MCIS), Nielsen worked as a Research Assistant to the Director, Professor John Simpson OBE. At MCIS, she contributed to projects and publications relating to the review process of the Nuclear Non-Proliferation Treaty (NPT), including the production of the NPT Briefing Book for the 2004 NPT PrepCom, the 2005 NPT RevCon and the 2007 NPT PrepCom. Nielsen holds an M.Sc. in Global Politics from the University of Southampton and a B.A. in International Relations from the University of San Diego. She is fluent in Spanish and Danish.

Fariz Abdul Rahman is pursuing his Ph.D. in nuclear engineering and radiological sciences at the University of Michigan, Ann Arbor. He is interested in fission systems and optimization techniques in the field. His current and past research areas include studying the Impact of PHEVs (Plugged-In Hybrid Vehicles) on the Reliability of the Electric Grid, A Systematic Method for LWR Core Optimization, and Nuclear Power Economics. Originally from Malaysia, he received his B.S. in Electrical Engineering from Cornell University in 2001 and later his M.S. in Nuclear Engineering from University of Michigan, Ann Arbor in 2009. Before starting graduate school, Rahman worked at a power utility in Malaysia for a few years.

Celia Reynolds is a doctoral student in the Department of Political Science at UC Irvine, and a graduate student affiliate of the Center for Global Peace and Conflict Studies (CGPACS), also at UC Irvine. She conducted her undergraduate studies at the College of William and Mary in Williamsburg, Virginia where she received a B.A. in economics. In her graduate studies, Reynolds' research agenda is focused on nuclear proliferation and the political economy of the Middle East.

Carl Robichaud is a program officer at the Carnegie Corporation of New York, where he focuses on nuclear security. Before joining Carnegie, Robichaud was a program officer at the Century Foundation, where he wrote on nonproliferation and Afghanistan policy. Robichaud holds an M.P.A in public policy and international affairs from the Woodrow Wilson School at Princeton University and a B.A. from Wesleyan University. He is a 1999 Thomas J. Watson fellow and a 2003 Harold W. Rosenthal fellow for international affairs and security at the Stimson Center and the Council on Foreign Relations.

Ryan Yee is a Ph.D. student in nuclear engineering at UC Berkeley. Originally from Toronto, he received a B.Sc. in Engineering Physics from Queen's University in Kingston, Ontario, Canada. Prior to entering graduate school, he was a scientist at Rapiscan Labs working on neutron-based active interrogation systems for homeland security. His current interests continue to be in the area of radiation detection and other active interrogation techniques such as nuclear resonance fluorescence.

Tong Zhao is a Ph.D. student in the Program of International Security, Science, and Technology, Sam Nunn School of International Affairs, Georgia Tech. He received his B.S. in physics from the Department of Physics, and M.A. in international affairs from the Institute of International Studies, Tsinghua University, China. He has great interest in and has been working on arms control issues from the perspective of science and technology. His current research focuses on global nuclear disarmament, and deals particularly with the question of what a role China plays and could play in global nuclear disarmament, and what are the feasible steps through which China could be engaged in this process.