



2010 NUCLEAR SCHOLARS

Nate Adler

Nate Adler is a MPA candidate at Princeton's Woodrow Wilson School of Public and International Affairs, and is concurrently pursuing an AM in East Asian Studies at Harvard University. With coursework in Weapons Nonproliferation from the Kennedy School of Government, Harvard Law School, and the Monterey Institute for International Studies, Nate focuses primarily on security issues in Northeast and South Asia. At the MIT Security Studies Program, Nate worked as a research assistant with a focus on biological weapons, and is a Next Generation Nuclear Safeguards Initiative grant recipient. A native of San Francisco, Nate graduated from Hamilton College and is the recipient of a 2005 Fulbright Scholarship to South Korea.

Jason Cantone

Jason Cantone is a Weapons Concepts Analyst at U.S. Strategic Command at Offutt AFB, NE. His current work involves analysis of international agreements and treaties, where he served as a "backstopper" for the Start Follow-On negotiation delegation in Geneva, and researching Congressional acts and recommending Congressional engagements to assure funding so the nuclear stockpile remains safe, reliable, and secure. Jason earned his B.S. from the University of Illinois at Urbana-Champaign in 2004 and his M.A. and J.D. from the University of Nebraska-Lincoln in 2008. He will receive his Ph.D. in Legal Decision making from the University of Nebraska-Lincoln in 2010. He has taught courses on research methods, legal decision making, social behavior and currently teaches a research methods and statistics course. In addition to his formal education, he has completed coursework through the Defense Acquisition University and attended the European Institutions legal program in Rome, Brussels, Strasbourg, and Oxford.

John Cassidy

John Cassidy is a Manager in Deloitte Consulting's Federal Public Sector practice. John currently leads a strategic planning team at a Department of Justice component agency in support of the Office of the Director. John is a graduate of Harvard's John F. Kennedy School of Government with a Master in Public Policy. At the Harvard Kennedy School (HKS), John was a chairman of the Center for Public Leadership's Student Advisory Board and also served as a teaching assistant to Dr. Graham Allison and Dr. Meghan O'Sullivan for the course *Central Challenges of American Foreign Policy*. His thesis at HKS focused on rail security and national security threats in the United Arab Emirates. Prior to his graduate work, John served as the Director of the National Youth Leadership Forum on Technology, a non-profit leadership program for high

school and college students, and as a high school government and economics teacher. John has led undergraduate student delegations to China and India to study globalization and business and is also a member of the Truman National Security Project.

Peter Crail

Peter Crail began working as a research analyst on nuclear and missile proliferation in 2007. He is primarily responsible for monitoring, researching and reporting on weapons of mass destruction developments in the Middle East, South Asia, and Northeast Asia, as well as developments in the International Atomic Energy Agency (IAEA) and other aspects of the international nonproliferation regime. Peter has also worked as a research assistant with the Center for Nonproliferation Studies, and as a consultant for the United Nations Department for Disarmament Affairs. He holds a masters degree in international policy studies from the Monterey Institute for International Studies, and a B.A. with honors in political science and anthropology from the University of California at Berkeley.

Mr. Daniel Dalton

Dan Dalton works for the U.S. Department of Energy as a General Engineer in the Office of Emergency Operations. Prior to his time at the Department of Energy, Mr. Dalton spent a number of years working as a research and development project engineer in the Unmanned Aerial Vehicle (UAV) industry, specializing in communication and sensor integration. Mr. Dalton has a Master of Arts in International Relations and a Bachelor of Science in Aerospace Engineering with an emphasis in unmanned vehicles.

Rob Forrest

Rob Forrest is a fifth-year Ph.D. student of high energy physics at UC Davis. His research includes searches for new physics beyond the standard model, specifically looking for supersymmetry produced in high energy particle collisions at the Fermi National Accelerator Laboratory in Batavia, Illinois. Before starting graduate school, he worked at the Stanford Linear Accelerator Center in the Klystron Department studying high power RF sources. Rob received his B.S. in physics from UC San Diego. Last year Rob attended the Public Policy and Nuclear Threats program at the Institute on Global Conflict and Cooperation.

Marcy Rutan Fowler

Marcy Fowler works at the National Nuclear Security Administration as a non-proliferation associate fellow. Before working at the NNSA she was a research associate with the Lawyers' Committee on Nuclear Policy, and also served in several capacities at the NGO Committee on Disarmament, Peace, and Security in New York. Marcy holds a Master of International Affairs degree from Columbia University, with a concentration in International Security Policy. She earned B.A. degrees in political science and Slavic languages/literatures (Russian) from the University of Kansas. During her undergraduate studies, she spent two summers abroad studying Russian. Before returning to school to complete her undergraduate degree, Marcy

spent 4 years as Director of Internet Marketing for a technology company and concurrently served 6 years as a Civil Affairs Specialist in the U.S. Army Reserve.

Anine Hagemann

Anine M. B. Hagemann holds dual bachelors' degrees in economics and political science from the University of Copenhagen. She is currently finishing her master's in International Relations, specializing in on security policy and political theory, at the University of Copenhagen. She works in the Danish Ministry of Foreign Affairs as a graduate student employee in the Department of Security Policy and teaches political theory and the history of ideas to first-year political science students at the University of Copenhagen. In 2008-09 Anine spent a year as an exchange student at Dartmouth College, NH, studying international relations theory and political theory. In the spring of 2009 she worked as a research assistant at the CSIS Global Health Policy Center. Anine has previously worked in both the private and public sector, in political lobbying, in research, teaching, volunteering and as a student official and political organizer. Through these experiences, she has established a broad background knowledge of politics and policy-making in both theory and practice. After finishing graduate school, Anine hopes to continue working with security issues through writing a PhD, preferably in the US.

Polly Holdorf

Polly Holdorf is currently an employee of Toeroek Associates, Inc. where she works as a national security analyst at the Institute for National Security Studies (INSS) located at the United States Air Force Academy. INSS is sponsored primarily by the Strategic Plans and Policy Division on the Air Staff (HQ USAF/A5XP). In addition to supporting the Air Staff, INSS also establishes and maintains networks of interested organizations in the academic fields of arms control, combating WMD, nonproliferation and related subjects. Prior to joining Toeroek Associates, Inc. and INSS, Polly worked for two years as a congressional staffer in the 5th Congressional District of Colorado where she held the positions of field representative, service academy coordinator, constituent advocate and office manager. Polly received her MA in International Security in 2007 from the Josef Korbel School of International Studies located at the University of Denver. She also received her BA in International Studies from the University of Denver.

Leah Kuchinsky

Leah R. Kuchinsky is a CSC contractor (Computer Sciences Corporation) in the U.S. Department of State's Bureau of International Security and Nonproliferation, where she is a Program Manager in the Office of Cooperative Threat Reduction. Her work focuses on science diplomacy in the Middle East. Her prior nonproliferation experience includes working as a research assistant for the Washington, D.C. office of the James Martin Center for Nonproliferation Studies, where she researched and authored reports on NBC and missile proliferation issues. Previously, Ms. Kuchinsky also worked as a script writer for the nationally-televised PBS public affairs show, "For the Record," and as a communications assistant at the Miller Center for

Public Affairs in Charlottesville, Virginia, a research institution focused on the American presidency. Ms. Kuchinsky also possesses government experience at the Federal and State levels, having served as an intern on Capitol Hill and as the author of an anti-terrorism medical reporting bill at the Virginia General Assembly, prior to her service as a White House intern in the Office of Cabinet Affairs. Ms. Kuchinsky is currently pursuing a Master's degree in the Georgetown University Security Studies Program, where she focuses on Unconventional Weapons and Nonproliferation, with a regional concentration on the Middle East. As an undergraduate, she earned a Bachelor's degree in Foreign Affairs from the University of Virginia, where she graduated from the Distinguished Majors Politics Program "with highest distinction." A native of Colonial Heights, Virginia, Ms. Kuchinsky has traveled to Europe and the Middle East several times during her professional career.

Sameer Lalwani

Sameer Lalwani is a PhD Student in the Department of Political Science at MIT. He is an affiliate of the MIT Security Studies Program and a Research Fellow at the New America Foundation. He studies great power intervention, civil-military relations, civil-conflict, strategic assessment and national security decision making with a focus on Middle East and South Asian geopolitics, and recently authored a paper on the Pakistani military's capabilities for counterinsurgency. From 2006-2008 he worked as a Policy Analyst for the New America Foundation's American Strategy Program and has published opinion pieces in a number of media outlets. He holds a bachelor's degree in political science from University of California, Berkeley, and has studied at the Heinz School of Public Policy at Carnegie Mellon University.

Anya Loukianova

Anya Loukianova is a PhD student at the University of Maryland's School of Public Policy and a graduate assistant at the Center for International and Security Studies at Maryland (CISSM), focusing on U.S.-Russian security cooperation. Previously, she was a research associate at the Monterey Institute's James Martin Center for Nonproliferation Studies (CNS) in Monterey, CA. At CNS, she focused on nuclear and missile developments in Russia and the newly independent states as well as U.S. nonproliferation policies, particularly civil highly enriched uranium minimization. Anya's work has appeared in *The Nonproliferation Review*, *Bulletin of the Atomic Scientists*, *WMD Insights*, and the Russian-language trade journal *Eksport Vooruzheniy*. She holds a Master of Public and International Affairs (MPIA) degree from the University of Pittsburgh. A native of the Far Eastern town of Magadan, Anya was raised in Tula, Russia.

Jenny Nielsen

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.

Thomas Skypek

Thomas M. Skypek is a Senior Consultant at Booz Allen Hamilton. He has supported research and analysis efforts for the Departments of Defense, Energy, Homeland Security, and Intelligence Community. Mr. Skypek has co-authored several studies on U.S. nuclear policy, proliferation, and deterrence. His articles on defense and foreign policy have been published in *The National Interest*, *The Journal of International Security Affairs*, *The Washington Times*, *The Weekly Standard*, and *China Brief*. Mr. Skypek's expertise includes wargaming, alternative futures analysis, capabilities-based planning, net assessment, and policy planning. Prior to joining Booz Allen Hamilton, Mr. Skypek was a defense policy analyst and wargamer at SAIC for three years. He holds a Bachelor's degree in Political Science and a Master's degree in Defense and Strategic Studies from Missouri State University.

Courtney Stewart

Courtney Stewart is a nuclear matters policy analyst supporting the Office of the Deputy Assistant to the Secretary of Defense for Nuclear Matters for Science Applications International Corporation. She is currently on detail to the Office of Nuclear and Missile Defense Policy's Nuclear Posture Review staff, where she participates in domestic strategic communications and outreach efforts. Upon completion of the review, she will return to the Office of Nuclear Matters, nuclear strategy and plans team. Previously she was a nonproliferation graduate fellow with the Department of Energy's National Nuclear Security Administration supporting efforts related to the Proliferation Security Initiative and the Nuclear Suppliers Group. Prior to her graduate work, she held research positions at Harvard's Managing the Atom Project and the International Institute for Strategic Studies in London. Courtney holds an MA in Science and Security from the War Studies Department at King's College London, and bachelor's degrees in Political Science and History from UCLA.

Ryan Taugher

Ryan Taugher is currently a Nonproliferation Graduate Program Fellow for the Department of Energy/National Nuclear Security Administration (DOE/NNSA) in the International Nuclear Safeguards and Engagement Program (INSEP) and International Nonproliferation Export Control Program (INECP). At NNSA, Ryan works with INSEP to advance indigenous safeguards capabilities of partner governments in North Africa, the Middle East and East Asia and supports collaboration with the International Atomic Energy Agency (IAEA). Ryan also assists INECP in reengaging Turkish partners on WMD-related border security issues, including training Turkish customs officials in determining WMD-related commodities and utilizing portable metal analyzers at ports of entry to identify dual use technologies. Ryan graduated from American University in June, 2009, where he earned a master's degree in international affairs,

concentrating on U.S. foreign policy in the Middle East. From 2006-2007, Ryan was a Fulbright Scholar in Turkey, where he conducted independent research on the security, economic, and political implications of Turkey's management of the Tigris and Euphrates Rivers on Syria and Iraq. During his fellowship, Ryan also took graduate coursework at the Middle East Technical University in Ankara, Turkey, and intensive Turkish language lessons. Ryan earned his bachelor's degree in international relations from Cornell College in Iowa. Prior to his Fulbright fellowship, he studied abroad in Turkey through the University of Iowa and later interned for the political section of the U.S. Embassy in Ankara. Ryan has also been a researcher for the National Defense University's Near East South Asia Center for Strategic Studies, the Woodrow Wilson International Center for Scholars, and the Middle East program at the Center for Strategic and International Studies (CSIS) in Washington, DC. Ryan has also spent a semester studying in Amman, Jordan and his entire senior year of high school as an exchange student in Ankara, Turkey. For three summers, Ryan served as a counselor for Camp Adventure, where he led youth programs in Moscow, China and Taiwan, Germany and Belgium.

Andrew Walter

Drew Walter is a Senior Member of the Technical Staff at Sandia National Laboratories. Since August 2009, Drew has been detailed from Sandia to the staff of the United States House of Representatives' Committee on Armed Services, where he is a member of the defense policy staff team and the Subcommittee on Oversight and Investigations staff. His portfolio for the Committee and Subcommittee includes interagency national security issues and reform, defense acquisition reform, U.S. strategy in Afghanistan and Iraq, small business defense contracting, and several active investigations. Before his assignment to Capitol Hill, Drew was a member of the Strategic Studies Department at Sandia, where he supported Laboratory executive leadership in exploring and defining long-term strategies and initiatives. His portfolio included coordination of several efforts exploring the interdependencies between various nuclear-related policy and technology domains, leadership of a team of analysts studying the implications to the nation and Sandia of a move to a U.S. stockpile of 1,000 nuclear weapons, and coordination of an effort to revamp Sandia's approach to studying and implementing its most critical strategic-level initiatives. Before joining Strategic Studies, Drew spent three years with Sandia's Security Systems and Technology Center, where his primary focus was analyzing, designing, and implementing security systems for U.S. nuclear weapons and other critical national assets. He conducted evaluations of several emerging technologies for use in security operations, created and executed a process for assessing cost savings and cost avoidances realized by the implementation of security technologies, and developed and deployed several technologies in support of national nuclear incident response teams. Prior to joining Sandia, he earned a B.S. and M.S. in Mechanical Engineering from the Rochester Institute of Technology, where his research focused on unmanned micro air vehicle aerodynamics and applications.

Heather Williams

Heather Williams is a Research Associate at the Institute for Defense Analyses (IDA) in Alexandria, VA where she works on nuclear policy and extended deterrence issues. Her current

focus is on the Comprehensive Test Ban Treaty (CTBT) and entails an analysis of the 1999 Senate debate, the treaty's impact on nonproliferation efforts, and a review of the nuclear safeguards. Ms. Williams recently presented at PONI on "North Korea and Prospects for the CTBT." She has also presented and written on India and Pakistan's nuclear postures, failures in extended deterrence, and Russian organized crime. As part of the Nuclear Scholars Initiative she plans to explore the significance of military hardware in extended deterrence relationships, looking at the specific case of Japan and the Tomahawk Land Attack Missile/Nuclear (TLAM/N). Prior to joining IDA Ms. Williams worked in the Office of the Secretary of Defense Chemical and Biological Defense Program and for the Chemical-Biological Arms Control Institute. She received a B.A. from Boston University in International Relations and Russian Studies and M.A. in Security Policy Studies from The George Washington University. Originally from Saratoga, NY, Ms. Williams currently lives in Washington, DC and is an avid Boston sports fan.

Jason Wood

Jason D. Wood is a Washington, D.C.-based defense analyst with Science Applications International Corporation and an independent consultant to Jane's Information Group. His writing has appeared in *World Politics Review*, *National Journal*, and *Comparative Strategy*. Previously, Jason was a Research Associate at the Institute for Foreign Policy Analysis, focused on national security space issues and missile defense. From 2005-2007, he served as an Earhart Foundation Fellow at Missouri State University's Graduate Department of Defense and Strategic Studies, where he earned a Master of Science with distinction.

Tong Zhao

Tong Zhao is currently enrolled in the PhD Program of International Security, Technology, and Policy in the Sam Nunn School of International Affairs at Georgia Tech. Before coming to the U.S., he spent six years in Tsinghua University in China, and received his B.S. in physics from the Department of Physics and M.A. in international affairs from the Institute of International Studies. He had experience of working for the Office of Foreign Affairs in the People's Government of Beijing Municipality. His area of interest in general is arms control and disarmament. His scientific background as well as the educational experience as a student in political science provides him with opportunities of looking into policy debates around arms control and disarmament through lenses of both science & technology and international politics. He joined the Sam Nunn Fellowship group on Science, Technology and International Security, and was a fellow of the Nuclear Threats Summer Fellowship (PPNT) program organized by the Institute of Global Conflict and Cooperation (IGCC) at University of California. He has worked on issues and published papers relating to missile defense, missile proliferation, regional strategic stability, and China's security policy. As a second year PhD student, he is currently working on issues of nuclear disarmament, nuclear nonproliferation, and China's nuclear strategy. He is interested in understanding the strategic stability in the process of global nuclear disarmament and exploring possible approaches that China could take to participate in the global movement.