

Stanton Nuclear Security Fellows Seminar

Fellows - Alphabetically by Institution

Stephen Herzog, BCSIA



Stephen Herzog is a PhD candidate in Political Science at Yale University focused on nuclear arms control, deterrence, and proliferation. His research draws on archives, elite interviewing, and survey experiments. He holds fellowships with the Yale Project on Japan's Politics and Diplomacy and the Pacific Forum of the Center for Strategic and International Studies.

Previously, Herzog was a nuclear verification specialist for the US Department of Energy's National Nuclear Security Administration and a researcher at the Federation of American Scientists. He received an MA and MPhil in Political Science from Yale, an MA in Security Studies from Georgetown University, and a BA in International Relations from Knox College.

Ariel Petrovics, BCSIA



Ariel Petrovics is a Postdoctoral Fellow at Harvard University's Belfer Center for Science and International Affairs where she is jointly appointed to the Project on Managing the Atom and the International Security Program. Her research focuses on foreign policy effectiveness in international security, and has addressed policy challenges including nuclear proliferation, economic sanction success, and engagement with renegade regimes. Prior to joining the Belfer Center, Petrovics was the Herbert York Fellow with the University of California, Institute for Global Conflict and Cooperation (IGCC) and a research associate at the Center for Global Security Research in the Lawrence Livermore National Laboratory (2018-2019). She received her PhD in Political Science from the University of California, Davis and a BA with honors in History from Bucknell University. Petrovics was also a five-time National Team athlete, representing the USA at World Cups, Pan-Am Games, and World Championships.

Julius Weitzdoerfer, BCSIA



Julius Weitzdörfer is a Stanton Nuclear Security Junior Faculty Fellow with the International Security Program and the Project on Managing the Atom at the Harvard Kennedy School's Belfer Center for Science and International Affairs. His expertise lies in the law and governance of extreme risk, particularly regarding unprecedented incidents, crises and disasters, and nuclear-, environmental- and disaster law, with a focus on Japan.

Weitzdörfer holds a Dr iur from Hamburg University, an LLB from Bucerius Law School, and an MA from the University of Cambridge, where he spent six years, teaching environmental law, trade law, and conservation governance. His most recent book is "Extremes" (with D. Needham), published with Cambridge University Press in 2019.

Timothy McDonnell, CEIP



Timothy P. McDonnell is a Stanton nuclear security fellow with the Nuclear Policy Program at the Carnegie Endowment for International Peace. His primary line of research centers on the history of U.S. nuclear posture as it relates to U.S. foreign policy. In addition to his focus on nuclear matters, McDonnell also studies all aspects of modern conventional warfare. He earned his PhD from the Security Studies Program at MIT.

Prior to joining Carnegie, McDonnell was a predoctoral fellow at the George Washington University's Institute for Security and Conflict Studies, a research associate for MIT Seminar XXI—a professional education program for mid-career and senior military officers and national security professionals—as well as a RAND summer associate, where his research supported U.S. Army maneuver short-range air defense (M-SHORAD) programs.

Before beginning his PhD, McDonnell earned his MA from the George Washington University, and was a program associate at the Wilson Center, where he coordinated the Nuclear Proliferation International History Project.

Lauren Borja, CISAC



Lauren Borja is postdoctoral fellow at the Center for International Security and Cooperation at Stanford University. She is broadly interested in the effect of new technology on nuclear security issues, leveraging her technical skills as a scientist to inform and contribute to nuclear policy issues.

Before starting at CISAC, Borja was a Simons postdoctoral research fellow at the University of British Columbia in Vancouver, Canada, where she studied nuclear disarmament and risk. She received her PhD in Physical Chemistry from the University of California, Berkeley.

Julien de Troullioud de Lanversin, CISAC



Julien is a Stanton Nuclear Security Postdoctoral Fellow at Stanford's Center for International Security and Cooperation (CISAC). Julien is interested in how to verify and reconstruct past fissile material production programs with scientific tools. To this end, he is developing innovative methods that use isotopic analysis from nuclear reactors to gain information on their past operation (nuclear archeology) and has developed an open-source software that can follow the isotopic evolution in time of fissile materials. His current research seeks to better understand the past and current nuclear material production capabilities in China and North Korea. Julien also studies questions related to civilian nuclear projects in China.

Julien completed his PhD at Princeton University's Mechanical and Aerospace Engineering Department in September 2019 where he worked during four years with the Program on Science and Global Security. He received his Diplôme d'Ingénieur (M.Sc. and B.Sc.Eng.) from Ecole Centrale de Marseille in 2014. The same year he also obtained a M.Sc. in Nuclear Science and Engineering from the Tsinghua University in Beijing, where he was a recipient of the Chinese Government Scholarship.

Reid Pauly, CISAC



Reid Pauly is a Stanton postdoctoral fellow at the Center for International Security and Cooperation (CISAC) at Stanford University. His scholarship focuses on coercion and nuclear weapons proliferation, especially the causes of credible coercive assurance—why and how targets of coercion believe that they will not be punished after they comply with demands. His broader research interests include wargaming and crisis simulations, nuclear strategy, and tacit cooperation between adversaries.

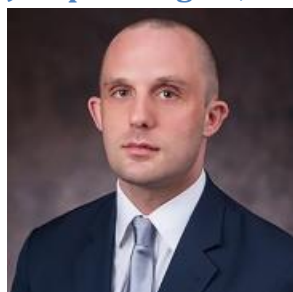
Reid earned a PhD in Political Science from the Massachusetts Institute of Technology, Security Studies Program. During his graduate work, he was a predoctoral fellow at the Harvard Kennedy School's Belfer Center for Science and International Affairs and a Summer Associate at the RAND Corporation. Prior to graduate school, Reid was a research assistant at Stanford University and earned a B.A. in History and Government from Cornell University.

Beginning in July 2020, Reid will be an Assistant Professor in the Department of Political Science and the Watson Institute for International and Public Affairs at Brown University.

Joeun Kim, CFR

Joeun Kim is a Stanton Nuclear Security Postdoctoral Fellow at the Council on Foreign Relations. Her research interests include East Asian security, alliance management, and nuclear non-proliferation. Kim was previously a fellow at the Asian Studies Program at Georgetown University, Institute for Security and Conflict Studies at the George Washington University, Center for International Security and Cooperation at Stanford University, and a managing editor of *International Studies Quarterly*. She received her PhD in Government from Georgetown University, an MA in International Affairs at the George Washington University, and a BA in political science from Waseda University, Japan.

Joseph Torigian, CFR



Joseph Torigian is an assistant professor at American University's School of International Service, where he researches Chinese and Russian politics and foreign policy. He is also a global

fellow at the Wilson Center's history and public policy program. Previously, he was a fellow in the Princeton-Harvard China and the World Program, Stanford University's Center for International Security and Cooperation, and the George Washington University's Institute for Security and Conflict Studies. He was also an international research and exchanges board scholar affiliated with the Higher School of Economics in Moscow, a Fulbright Scholar at Fudan University in Shanghai, and a research associate at the Council on Foreign Relations. He holds a BA in political science from the University of Michigan and a PhD in political science from the Massachusetts Institute of Technology.

Rachel Carr, MIT NSE



Rachel Carr is a Postdoctoral Fellow in the Laboratory for Nuclear Security and Policy at MIT. Her background is in experimental particle physics, and her current work is on technical aspects of a future nuclear agreement with North Korea.

Previously, Carr was a Pappalardo Fellow in the MIT Department of Physics and an AIP- ASA Congressional Science Fellow in the U.S. Senate. She received a PhD in Physics from Columbia University in 2015 and a BA in Physics and Philosophy from the University of Virginia in 2009.

Andrea Chiampan, MIT SSP



Andrea Chiampan obtained his PhD in International History at the Graduate Institute of International and Development Studies of Geneva in 2017. Since then he has been a fellow of the Sir Michael Howard Center for the History of War at King's College London (KCL), an Agnese N. Haury Fellow at NYU, a visiting fellow at the LSE and Cambridge University, as well as a Swiss National Science Foundation Fellow and Stanton Nuclear Security Fellow at MIT. His first book project *Flawed Architects, Resilient Technologies, and the Making of the Second Cold War* follows the trajectory of cruise missile development in the 1970s and 1980s and its entanglement with détente, arms control, and transatlantic diplomacy. Portions of his research on NATO, transatlantic relations, and nuclear history have appeared in journals such as *Diplomacy &*

Statecraft, the *International History Review*, *Studies in Conflict and Terrorism*, as well as in a forthcoming article in *Diplomatic History*.

Alex Lee, MIT SSP



Alex Chang Lee is a Stanton Nuclear Security Fellow with the Security Studies Program at MIT. He holds a Ph.D. in political science from the University of California, Irvine. Alex also holds an M.A. in International Security from Korea University and a B.A. in International Studies from Southern Methodist University. Before joining the SSP at MIT, Alex was a 2016-2017 Japanese Doctoral Fellow at The University of Tokyo, 2015-2016 Fulbright Scholar at the Korea University, and 2016 James Kelly Non-Resident Fellow at Pacific Forum Center for Strategic and International Studies (CSIS). His specializations include nuclear non-proliferation studies, East Asian regional studies, comparative foreign policy, and international security studies.

The objective of his work has been primarily analytical, aiming at a better understanding of why Japan, South Korea, and Taiwan are experiencing different outcomes in their nuclear decisions in the post-Fukushima era and how these deviating outcomes will influence these states' non-nuclear weapons and nuclear energy policies, and US foreign policy towards East Asia in the coming years. Alex is currently working on redrafting his dissertation into a book manuscript and expand his primary research focus on Japan, South Korea, and Taiwan.

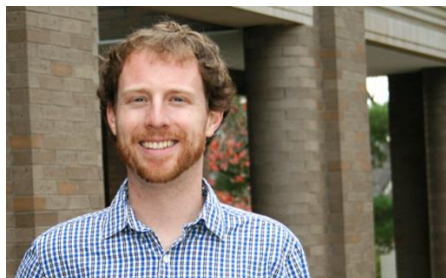
Ryan Musto, MIT SSP



Ryan A. Musto is a Stanton Nuclear Security Fellow with the Security Studies Program at MIT. He holds a Ph.D. in history from The George Washington University, master's degrees in international and world history from Columbia University and the London School of Economics, and a B.A. (hons.) in history from NYU. During his doctoral studies, Ryan served as a Nuclear

Security Fellow with Fundação Getúlio Vargas in São Paulo, Brazil. His specializations include nuclear history, Cold War international history, and the history of U.S. foreign relations. Ryan's work has been published in *Diplomatic History*, *Diplomacy & Statecraft*, *Bulletin of the Atomic Scientists*, and *Americas Quarterly*, amongst other outlets. Ryan is currently completing a book manuscript on the international history of regional denuclearization.

Luke Griffith, RAND



A Stanton Nuclear Security Post-Doctoral Fellow and expert on contemporary history, Luke Griffith works at the RAND Corporation in Washington, D.C. Griffith studies American foreign policy, nuclear security, and transatlantic relations, specializing in the Cold War era. Relying on extensive domestic and international archival research, his dissertation, "Between 'Green Cheese' and 'the Moon': Jimmy Carter, Ronald Reagan, and the Euromissiles," analyzes the genesis of the world's first nuclear disarmament accord, the Intermediate-Range Nuclear Forces (INF) Treaty.

Prior to RAND, Griffith graduated magna cum laude from Cedarville University in 2010 with a B.A. in history and minors in political science and international studies. He also received a M.A. in 2012 and Ph.D. in 2018 from Ohio University, where he studied U.S. diplomatic history with Dr. Chester Pach. Awarded Ohio University's Baker Peace Fellowship in 2017-2018, Griffith also earned a certificate from the multidisciplinary Contemporary History Institute.