

## ABOUT THE AUTHORS

**David Bernstein** is from Salt Lake City, Utah and will graduate from Georgetown University's Walsh School of Foreign Service (Class of 2021), majoring in International Politics with a concentration in International Security. His research interests and his upcoming thesis concentrate on nonproliferation efforts towards allies under the US "nuclear umbrella." Along with his coursework, David works as a research assistant for Dr. Caitlin Talmadge, Dr. Brandon Valeriano, and Dr. Eric Borghard, focusing on nuclear deterrence and cyber strategy. David has interned at the Nuclear Threat Initiative, in a congressional office, and on multiple campaigns. As a member of the Georgetown policy debate team, David won 2nd place at the 2017 National Debate Tournament college championship and has been ranked in the top 16 partnerships in the country.

**Michael B. Cerny** is currently pursuing his Master of Philosophy in Politics (Comparative Government) at the University of Oxford, where he is specializing in the politics and governance of China. He earned a bachelor's degree in Political Science with a double major in Chinese Studies from Emory University, where he graduated Phi Beta Kappa with the Emory College Language Center's Excellence in Language Studies Award (Chinese). At Emory, Cerny co-founded the *Emory Journal of Asian Studies* and oversaw the publication of its first two issues. Cerny is an active volunteer for The Carter Center's initiatives related to US-China relations.

**Brian Chow** is an independent policy analyst and author of over 160 publications. He is a former Senior Physical Scientist at the RAND Corporation where he worked for 25 years. He was appointed by the President's Science Advisor, the Under Secretary of Defense for Policy, and the Office of the Chief of Naval Operations as a consul-

tant to advise them on policy matters. His recent articles on space appear in *Strategic Studies Quarterly*, *SpaceNews*, *The National Interest*, *Defense One*, *Defense News*, and *The Space Review*. He holds a Ph.D. in physics from Case Western Reserve University and an MBA (with Distinction) and Ph.D. in finance from the University of Michigan. He can be reached at [brianchow.sp@gmail.com](mailto:brianchow.sp@gmail.com) and on Twitter at [@briangchow](https://twitter.com/@briangchow).

**David A. Cooper** holds a tenured faculty appointment at the US Naval War College as The James V. Forrestal Professor of National Security Affairs and previously served as Chair of the National Security Affairs Department. His areas of expertise include arms control and disarmament, nonproliferation, multilateral negotiations and organizations, international relations theory, and foreign policy analysis. He has published various articles, chapters, and books in these areas, including most recently this year as co-author of the graduate textbook *Decision-Making in American Foreign Policy: Translating Theory into Practice* from Cambridge University Press. He has a forthcoming book from Georgetown University Press on *Arms Control for the Third Nuclear Age: Between Disarmament and Armageddon*. He holds a PhD in Political Science and International Relations from The Australian National University (ANU), a Master of International Affairs from Columbia University, and is a graduate of Oberlin College. Dr. Cooper is a scholar-practitioner. Before becoming an academic he served for nearly two decades as an official in the Office of the Secretary of Defense (OSD) where he was a career member of the Senior Executive Service (SES). He held several key positions including as Director of Nonproliferation Policy and Director of Strategic Arms Control Policy. He first came to the Pentagon in 1990 as a Presidential Management Intern.

**Peter Garretson** is an independent strategy consultant who focuses on space and defense, and a senior fellow in Defense Studies with the American Foreign Policy Council. He was previously the director of Air University's Space Horizons Task Force, America's think

tank for space, and was deputy director of America's premier space strategy program, the Schriever Scholars. He is the author of a forthcoming book on great power competition for space resources.

**Brandon Kelley** is a graduate student in Georgetown University's Security Studies Program, completing his final year with a concentration in Military Operations. Brandon's work focuses on strategic deterrence issues, especially in the space and counterspace contexts. He began conducting independent open-source research and analysis of counterspace capabilities while pursuing a B.A. in Science, Tech. & Int'l Affairs at Georgetown, with a focus on the threat posed by co-orbital ASATs. After graduation, he played a key role in research and writing for the inaugural edition of the Secure World Foundation's *Global Counterspace Capabilities: An Open Source Assessment*, now one of the primary resources for publicly-available information on the subject. Since 2017, Brandon has served full-time as the Associate Director of Debate at Georgetown, where he coaches and directs strategy, argument development, and research for the multiple-time national championship-winning Policy Debate Team. After four years of working to secure a strong financial and competitive future for the program, Brandon looks forward to shifting to full-time involvement in space security issues in the coming year.

**John D. Maurer** is a professor at the School of Advanced Air and Space Studies (SAASS) and a visiting scholar at the American Enterprise Institute (AEI). His research focuses on nuclear and grand strategy, arms control, national security, and US diplomatic history. Dr. Maurer's work has been published by a variety of academic journals and media outlets, including *Diplomatic History*, *Texas National Security Review*, *The National Interest*, and *War on the Rocks*. In his forthcoming book, *Competitive Arms Control: Nixon, Kissinger, and SALT, 1969-1972*, he examines the strategy behind the Strategic Arms Limitation Talks (SALT I) in the Richard Nixon administra-

tion. Dr. Maurer has a BS in international politics and a PhD in US diplomatic history from Georgetown University.

**Xavier Pasco** has been Director of the Foundation for Strategic Research (FRS) since October 2016. Dr. Pasco has coordinated research on Space, High Technology and Security at FRS and at CREST (Center for Research and Evaluation of the relationships between Strategies and Technology) associated to Ecole Polytechnique. He is a specialist of the United States space policy and programs, with a focus on the transatlantic relationships involving military space and interoperability issues. He has also been in charge of studies on future national and European programs in the space sector, both in the civil and defense fields. In this capacity, he is the author of numerous reports on civil and military space activities carried out on behalf of national and European public bodies. Xavier Pasco has been a member of multiple ministerial and inter-ministerial working groups. Dr. Pasco participated in several projects related to the "Preparatory Action for Security Research" launched by the European Commission in 2004, and within the framework of the 6th and 7th European Research and Development Framework Programme (2007-2013). In this context, he coordinated the European cross-disciplinary research activity "Conditions for Space Policy and Related Action Plan Consolidation in Europe" supported by the Executive Research Agency of the European Union in 2010-2011. He also coordinated European work on data policy for the future European space surveillance system as part of a study for the European Space Agency (ESA). He also coordinated (2011-2012) the study on the future European ground segment for earth observation for defense and security purposes for the European Defence Agency (EDA). He is today the lead coordinator of SPACEWAYS, a European Commission-sponsored project dedicated to studying Space Traffic Management and started in January 2021 with a team of key European industry actors, research centers and Institutes. Before becoming FRS Director, Xavier Pasco has been a Senior Researcher at the Foundation for Strategic Research (since 1994). He was a lecturer at the Institut d'Etudes politiques de Paris and an Associate Professor in Political Science at the University of Marne-la-Vallée. He was also

a Research Fellow at CREST-Ecole Polytechnique between 1989 and 1994. Xavier Pasco has been an Associate Research Fellow at the Space Policy Institute at George Washington University (Washington D.C., USA) since 1994. He is the European Editor-in-Chief of the international quarterly journal "Space Policy" (Elsevier Science). He is an expert at the European Economic and Social Council and a member of the International Academy of Astronautics. He is also a member of the US based Secure World Foundation (SWF) advisory committee. Xavier Pasco holds a PhD in political science from the University of Paris I Panthéon-Sorbonne.

**Raphael J. Piliero** is a graduate of Georgetown University, with a Bachelor of Arts in government. He currently works with the Forward Defense practice at the Atlantic Council's Scowcroft Center for Strategy and Security through the Young Global Professionals program. In this role, Piliero specializes in the practice's nuclear and space portfolios and was a named contributor to the Atlantic Council's first space strategy paper. During his time at Georgetown, he assisted with research on Chinese strategic forces for Professor Matthew Kroenig while also interning with the House Foreign Affairs chairman and the United Nations Association. Piliero's writings have been featured in *The Yale Review of International Studies*, *The Diplomat*, *Defense News*, *The US-China Perception Monitor*, and *Political Wire*.

**Henry D. Sokolski** is executive director of the Nonproliferation Policy Education Center and teaches graduate classes on nuclear policy at the University of Utah and the Institute of World Politics. He was recently appointed Senior Fellow for Nuclear Security Studies at the University of California at San Diego. Previously, he worked in the Pentagon as Deputy for Nonproliferation Policy, as a consultant to the National Intelligence Council, as a member of the Central Intelligence Agency's Senior Advisory Group, as a Senate military legislative aide to a member of the Senate Armed Services Committee, and as a special assistant on nuclear energy to the chair-

man of Senate's Tennessee Valley Authority oversight committee. He served on two congressional commissions on the prevention of WMD proliferation and has authored and edited numerous volumes on strategic weapons proliferation issues, including *Best of Intentions: America's Campaign against Strategic Weapons Proliferation* and *Underestimated: Our Not So Peaceful Nuclear Future*. Mr. Sokolski earned his graduate degree in political science from the University of Chicago.