

MATTHEW FUHRMANN
Curriculum Vitae

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Updated: September 12, 2017

Professional Positions

Current

Texas A&M University, *Department of Political Science*
Professor September 2017 -
Director of Graduate Studies September 2015 - July 2016, September 2017 -

Stanford University, *Center for International Security and Cooperation*
Affiliate September 2017 -

Previous

Stanford University, *Center for International Security and Cooperation*
Visiting Associate Professor September 2016 - August 2017

Texas A&M University, *Department of Political Science*
Associate Professor September 2014 - August 2017
Ray A. Rothrock '77 Fellow September 2014 - August 2017
Assistant Professor July 2011 - August 2014

Council on Foreign Relations
Stanton Nuclear Security Fellow August 2010 - July 2011

University of South Carolina, *Department of Political Science*
Assistant Professor January 2009 - May 2011

Harvard University, *Belfer Center for Science and International Affairs*
Affiliate January 2009 - August 2011
Research Fellow August 2007 - December 2008

University of Georgia, *Center for International Trade and Security*
Graduate Research Associate January 2005 - July 2007

Education

Ph.D.	University of Georgia	Political Science	2008
M.S.	Georgia Tech	International Affairs	2004
B.A.	University of Georgia	Political Science (<i>magna cum laude</i>)	2002

Awards and Fellowships

- **Andrew Carnegie Fellow**, Carnegie Corporation of New York, 2016.
- **“40 Under 40” Honoree**, University of Georgia Alumni Association, 2015.
 - This award recognizes graduates under the age of 40 who have “made an impact in business, leadership, community, educational and/or philanthropic endeavors.”

- **Ray A. Rothrock '77 Fellow**, Texas A&M University, 2014-2017.
- **Stanton Nuclear Security Fellowship**, Council on Foreign Relations, 2010-2011.
- **Post-Doctoral Fellowship**, Belfer Center for Science and International Affairs, Harvard University, 2008.
- **Pre-Doctoral Fellowship**, Belfer Center for Science and International Affairs, Harvard University, 2007-2008.
- **Graduate Research Fellowship**, Center for International Trade and Security, 2005-2007.
- **Phi Beta Kappa**, 2002.

Publications

Books

2. Todd S. Sechser and Matthew Fuhrmann. 2017. *Nuclear Weapons and Coercive Diplomacy*. Cambridge: Cambridge University Press.
1. Matthew Fuhrmann. 2012. *Atomic Assistance: How "Atoms for Peace" Programs Cause Nuclear Insecurity*. Ithaca, NY: Cornell University Press (Studies in Security Affairs).
 - Translated into Japanese (2015).

Edited Volume

1. Adam N. Stulberg and Matthew Fuhrmann, eds. 2013. *The Nuclear Renaissance and International Security*. Palo Alto, CA: Stanford University Press.

Peer-Reviewed Articles

21. Matthew Fuhrmann and Michael C. Horowitz. 2017. "Droning On: Explaining the Proliferation of Unmanned Aerial Vehicles," *International Organization* 71 (2): 397-418.
20. Matthew Fuhrmann and Yonatan Lupu. 2016. "Do Arms Control Treaties Work? Assessing the Effectiveness of the Nuclear Nonproliferation Treaty," *International Studies Quarterly* 60 (3): 530-539.
19. Michael C. Horowitz, Sarah E. Kreps, and Matthew Fuhrmann. 2016. "Separating Fact from Fiction in the Debate over Drone Proliferation," *International Security* 41 (2): 7-42.
18. Matthew Fuhrmann and Benjamin Tkach. 2015. "Almost Nuclear: Introducing the Nuclear Latency Dataset," *Conflict Management and Peace Science* 32 (4): 443-461.
17. Matthew Fuhrmann and Michael C. Horowitz. 2015. "When Leaders Matter: Rebel Experience and Nuclear Proliferation," *Journal of Politics* 77 (1): 72-87.
16. Matthew Fuhrmann and Todd S. Sechser. 2014. "Signaling Alliance Commitments: 'Hand-Tying' and Sunk Costs in Extended Nuclear Deterrence," *American Journal of Political Science* 58 (4): 919-935.

15. Matthew Fuhrmann and Todd S. Sechser. 2014. "Nuclear Strategy, Nonproliferation, and the Causes of Foreign Nuclear Deployments?" *Journal of Conflict Resolution* 58 (3): 455-480.
 - Reprinted in Neil Narang, Erik Gartzke, and Matthew Kroenig, eds., 2015. *Non-proliferation Policy and Nuclear Posture: Causes and Consequences for the Spread of Nuclear Weapons*. New York: Routledge.
14. Bryan R. Early, Matthew Fuhrmann, and Quan Li. 2013. "Atoms for Terror? Nuclear Programs and Noncatastrophic Nuclear and Radiological Terrorism," *British Journal of Political Science* 43 (4): 915-936.
13. Todd S. Sechser and Matthew Fuhrmann. 2013. "Crisis Bargaining and Nuclear Black-mail." *International Organization* 67 (1): 173-195.
12. Matthew Fuhrmann and Jeffrey Berejikian. 2012. "Disaggregating Noncompliance: Abstention versus Predation in the Nuclear Nonproliferation Treaty," *Journal of Conflict Resolution* 56 (3): 355-381.
11. Matthew Fuhrmann. 2012. "Splitting Atoms: Why Do Countries Build Nuclear Power Plants?" *International Interactions* 38 (1): 29-57.
10. Quan Li, Matthew Fuhrmann, Bryan R. Early, and Arnold Vedlitz. 2012. "Preferences, Knowledge, and Citizen Probability Assessments of the Terrorism Risk of Nuclear Power," *Review of Policy Research* 29 (2): 207-227.
9. Sarah E. Kreps and Matthew Fuhrmann. 2011. "Attacking the Atom: Does Bombing Nuclear Facilities Affect Proliferation?" *Journal of Strategic Studies* 34 (2): 161-187.
 - Reprinted in Thomas G. Mahnken and Joseph A. Maiolo, eds. 2014. *Strategic Studies: A Reader*, 2nd edition. London: Routledge.
8. Matthew Fuhrmann and Sarah E. Kreps. 2010. "Targeting Nuclear Programs in War and Peace: A Quantitative Empirical Analysis, 1941-2000," *Journal of Conflict Resolution* 54 (6): 831-859.
7. Matthew Fuhrmann. 2009. "Spreading Temptation: Proliferation and Peaceful Nuclear Cooperation Agreements," *International Security* 34 (1): 7-41.
 - Reprinted in Michael Brown, Owen Coté Sean Lynn-Jones and Steven Miller, eds. 2010. *Going Nuclear: Nuclear Proliferation and International Security in the 21st Century*. Cambridge, MA: MIT Press; Zhu Liquan, Gary Bertsch, Lu Jing, eds. 2011. *International Non-proliferation System: China and the U.S.* Beijing: World Affairs Press (in Mandarin); and Maria Rost Rublee and Ramesh Thakur, eds. 2014. *Nuclear Politics*. London: Sage.
6. Matthew Fuhrmann and Jaroslav Tir. 2009. "Territorial Dimensions of Enduring Internal Rivalries," *Conflict Management and Peace Science* 26 (4): 307-329.
5. Matthew Fuhrmann. 2009. "Taking a Walk on the Supply Side: The Determinants of Civilian Nuclear Cooperation," *Journal of Conflict Resolution* 53 (2): 181-208.
 - Reprinted in Robert Rauchhaus, Matthew Kroenig, and Erik Gartzke, eds. 2011. *Causes and Consequences of Nuclear Proliferation: A Quantitative-Analysis Approach*. New York: Routledge

4. Matthew Fuhrmann. 2008. "Exporting Mass Destruction? The Determinants of Dual-Use Trade," *Journal of Peace Research* 45 (5): 633-652.
3. Matthew Fuhrmann and Bryan R. Early. 2008. "Following START: Risk Acceptance and the 1991-92 Presidential Nuclear Initiatives," *Foreign Policy Analysis* 4 (1): 21-43.
2. Matthew Fuhrmann. 2006. "A Tale of Two Social Capitals: Explaining Revolutionary Collective Action in Kyrgyzstan." *Problems of Post-Communism* 53 (6): 16-29.
1. Matthew Fuhrmann, Nathan Edwards, and Michael Salomone. 2005. "The German Offensive of 1914: A New Perspective," *Defense and Security Analysis* 21 (1): 37-66.

Other Peer-Reviewed Publications

4. Molly Berkemeier and Matthew Fuhrmann. 2017. "Nuclear Weapons in Foreign Policy." In *Oxford Research Encyclopedia of Politics*, edited by William R. Thompson. Forthcoming.
3. Matthew Fuhrmann. 2013. "Nuclear Suppliers and the Renaissance in Nuclear Power." In *The Nuclear Renaissance and International Security*, edited by Adam N. Stulberg and Matthew Fuhrmann. Palo Alto, CA: Stanford University Press, 73-96.
2. Adam N. Stulberg and Matthew Fuhrmann. 2013. "Introduction: Understanding the Nuclear Renaissance." In *The Nuclear Renaissance and International Security*, edited by Adam N. Stulberg and Matthew Fuhrmann. Palo Alto, CA: Stanford University Press, 1-18.
1. Matthew Fuhrmann and Adam N. Stulberg. 2013. "Conclusion: What Future for Nuclear Energy?" In *The Nuclear Renaissance and International Security*, edited by Adam N. Stulberg and Matthew Fuhrmann. Palo Alto, CA: Stanford University Press, 321-344.

Non-Peer-Reviewed Work

Non-Refereed Articles and Book Chapters

6. Matthew Fuhrmann. Forthcoming. "After Armageddon: Pondering the Potential Political Consequences of Using Nuclear Weapons." In *Should We Let the Bomb Spread?*, edited by Henry Sokolski. Washington, DC: Nonproliferation Policy Education Center.
5. Matthew Fuhrmann. 2012. "Preventive War and the Spread of Nuclear Programs." In *Nuclear Nonproliferation: Moving Beyond Pretense*, edited by Henry Sokolski. Washington, DC: Nonproliferation Policy Education Center, 33-52.
4. Matthew Fuhrmann. 2011. "Australia's Uranium Exports and Nuclear Arsenal Expansion: Is There a Connection?" In *Australia's Uranium Trade: The Domestic and Foreign Policy Challenges of a Contentious Export*, edited by Michael Clarke, Stephan Fruhling, and Andrew O'Neil. London: Ashgate, 39-58.
3. Christoph Bluth, Matthew Kroenig, Rensselaer Lee, William Sailor, and Matthew Fuhrmann. 2010. "Correspondence: Civilian Nuclear Cooperation and the Proliferation of Nuclear Weapons," *International Security* 35 (1): 184-200.
 - Exchange of letters based on my 2009 article "Spreading Temptation."
2. Matthew Fuhrmann. 2007. "Making 1540 Work: Achieving Universal Compliance with Nonproliferation Export Control Standards." *World Affairs* 169 (3): 143-152.
1. Matthew Fuhrmann. 2006. "Industry and Nonproliferation: Don't Neglect the First Line of Defense," *Disarmament Diplomacy* 82.

Book Reviews

3. Matthew Fuhrmann. 2015. "Bringing Nuclear Strategy Back." Review of Vipin Narang, *Nuclear Strategy in the Modern Era: Regional Powers and International Conflict*, Princeton University Press, 2014. *Nonproliferation Review* 22 (2): 279-284.
2. Matthew Fuhrmann. 2013. "Review of Jacques Hymans, *Achieving Nuclear Ambitions: Scientists, Politicians, and Proliferation*." *H-Diplo International Security Studies Forum Roundtable Series* 6 (3): 9-13.
1. Matthew Fuhrmann. 2013. "Review of Gabrielle Hecht, *Being Nuclear: Africans and the Global Uranium Trade*." *Perspectives on Politics* 11 (3): 995-996.

Op-Eds and Select Research-Based Commentary

13. Matthew Fuhrmann. 2016. "Assessing the Utility of Statistical Models for Explaining and Predicting Nuclear Proliferation," *International Studies Quarterly Online Symposium*, February 9.
12. Matthew Fuhrmann and Todd S. Sechser. 2014. "To Help Allies, Send Security Guarantees, Not Nuclear Bombs," *LSE's American Politics and Policy blog*, November 24.
11. Todd S. Sechser and Matthew Fuhrmann. 2014. "Does Nuclear Blackmail Work?" *Washington Post's Monkey Cage*, July 14.
10. Todd S. Sechser and Matthew Fuhrmann. 2014. "Nuclear Weapons Are (Still) Poor Instruments of Blackmail: A Reply to Francis J. Gavin's Critique." *H-Diplo International Security Studies Forum Roundtable Series*, No. 2.
9. Matthew Fuhrmann, Matthew Kroenig, and Todd S. Sechser. 2014. "The Case for Using Statistics to Study Nuclear Security." *H-Diplo International Security Studies Forum Roundtable Series*, No. 2.
8. Matthew Fuhrmann. 2013. "A Diplomatic Endgame with Iran? The Case for Optimism," *Washington Post's Monkey Cage*, November 26.
7. Todd S. Sechser and Matthew Fuhrmann. 2014. "Debating the Benefits of Nuclear Superiority." *Duck of Minerva*. March 25 and March 28.
6. Matthew Fuhrmann. 2012. "America's Role in Helping Iran Develop its Nuclear Program," *The Atlantic* (online), July 26.
5. Matthew Fuhrmann and Sarah E. Kreps. 2012. "Military Strikes against Iran's Nuclear Facilities: Are They Likely and Will They Work?" *Monkey Cage*, January 13.
4. Matthew Fuhrmann and Sarah Kreps. 2012. "Why Attacking Iran Won't Stop the Nukes." *USA Today*, January 31.
3. Matthew Fuhrmann and Todd S. Sechser. 2011. "Would a Nuclear-Armed Iran Really Be So Dangerous?" *Christian Science Monitor*, January 12.
2. Matthew Fuhrmann. 2010. "Nuclear Inertia: How Do Nuclear Accidents Affect Nuclear Power-Plant Construction? I Built A Giant Database to Find Out." *Slate*, April 26.
1. Matthew Fuhrmann. 2008. "Oil for Nukes – Mostly a Bad Idea" *Christian Science Monitor*, February 29.

Research in Progress

- Matthew Fuhrmann, “The Logic of Latent Nuclear Deterrence.”
- Matthew Fuhrmann, *Influence without Bombs: The Logic of Latent Nuclear Deterrence*. Book project.
- Matthew Fuhrmann, “When Do Leaders Free-Ride? Business Experience and Contributions to Collective Defense.”
- Matthew Fuhrmann and Todd S. Sechser, “The Moral Hazard Myth: Nuclear Umbrellas and Reckless Allies.” Revise and resubmit.
- Michael C. Horowitz and Matthew Fuhrmann, “Leaders and Military Conflict.” Revise and resubmit.
- Molly Berkemeier and Matthew Fuhrmann, “Broken Promises: Multilateralism, Free Riding, and the Sanctioning Problem in Alliance Commitments.”
- Matthew Fuhrmann, Benjamin Tkach, and Scott Cook, “A Spatial Model of Nuclear Technology Diffusion.”

Grants

- Andrew Carnegie Fellow, Carnegie Corporation of New York, “Strategic Stability and the Diffusion of Nuclear Technologies,” 2016-2018. \$200,000. Principal Investigator.
- Stanton Foundation, “Nuclear Security Course Development Program,” 2015-16. \$50,000. Principal Investigator.
- Texas A&M University, Office of Graduate and Professional Studies, “Innovative Graduate Student Recruitment Grant,” 2015. \$6,400. Principal Investigator.
- Department of Energy, Nuclear Energy University Programs, “Correlates of Sensitive Technologies” (NEUP-3149), 2011-2015. \$509,467 (my part: \$139,261). Co-Principal Investigator, with Paul Nelson and Garill Coles.

Presentations

Speaker Series & Research-Based Seminars

- **Columbia University**, Department of Political Science: February 2018 (scheduled)
- **University of Colorado, Boulder**, Department of Political Science: October 2017 (scheduled).
- **Stimson Center**: June 2017.
- **University of California, Merced**, Department of Political Science: April 2017.
- **Middlebury Institute for International Studies at Monterey**, James Martin Center for Nonproliferation Studies: April 2017.
- **Harvard University**, John F. Kennedy School of Government: March 2017.
- **Cato Institute**: March 2017.
- **Stanford University**, Department of Political Science: February 2017.

- **Duke University**, Department of Political Science: February 2017.
- **Stanford University**, Center for International Security and Cooperation: November 2016.
- **MIT**, Security Studies Program: November 2016.
- **University of California, Santa Barbara**, Department of Political Science: October 2016.
- **University at Albany, SUNY**, Department of Political Science: April 2016.
- **Texas Tech University**, Department of Political Science: October 2015.
- **University of Texas, Austin**, Department of Government: September 2015.
- **University of Michigan**, Gerald Ford School of Public Policy: February 2014.
- **University of California, San Diego**, Department of Political Science: June 2013.
- **University of Chicago**, Program on International Security Policy Workshop: March 2013.
- **University of Texas, Austin**, LBJ School, Council for Rethinking Diplomacy, September 2012.
- **George Washington University**, Institute for Security and Conflict Studies: February 2012.
- **Princeton University**, Center for International Security Studies: December 2011.
- **University of Pennsylvania**, Christopher Browne Center for International Politics: November 2011.
- **Rice University**, Department of Political Science: October 2011.
- **University of Virginia**, Department of Politics: October 2011.
- **Duke University**, Department of Political Science: April 2011.
- **James Martin Center for Nonproliferation Studies** (Washington, DC): October 2010.
- **North Carolina State University**, Triangle Institute for Security Studies: September 2010.
- **George Washington University**, Department of Political Science: March 2010.
- **U.S. Department of Energy**, Savannah River National Laboratory: December 2009.
- **Georgia Tech**, Center for International Strategy, Technology, and Policy: October 2009.
- **Harvard University**, Belfer Center for Science and International Affairs: October 2007, February 2008, November 2008.

Mini-Conferences, Panels, and Policy Briefings

- **Woodrow Wilson International Center for Scholars**, “Nuclear Latency and Hedging,” May 2017.
- **University of Nebraska, Lincoln**, “Emerging Nuclear Technology and the Next Wave of Proliferation,” April 2017 (co-organizer with Rupal Mehta and Rachel Whitlark).
- **Yale University**, “Conflict and Cooperation in the Nuclear Age,” September 2016.
- **George Washington University**, “Before Proliferation: Examining the Causes and Consequences of Nuclear Latency,” Nuclear Policy Talks Series: May 2016.
- **Peace Science Society (International)**, “Leaders and Military Conflict,” University of Mississippi, October 2015 (co-organizer with Michael C. Horowitz).
- **MIT and Royal Melbourne Institute of Technology**, “Reassessing the Global Nuclear Order,” Melbourne, Australia, January 2015.
- **University of Nebraska, Lincoln**, “Conference on Extended Deterrence,” SAIC, Washington, DC, September 2016.
- **University of California, Irvine**, National Academies of Sciences project on “U.S. Air Force Strategic Deterrence Military Capabilities in the 21st Century Security Environment,” November 2013.
- **Georgia Tech and Korea Advanced Institute of Science**, “US-ROK Nuclear Cooperation,” Washington, DC, October 2013.
- **University of Tennessee, Knoxville**, “Emerging Challenges to US and Global Security,” October 2013.
- **University of Texas - Austin and the Woodrow Wilson Center**, “Nuclear Studies Research Initiative Launch Conference,” October 2013.
- **George Washington University**, “Nuclear Weapons and Coercive Diplomacy,” Book Workshop, May 2013 (co-organizer with Todd S. Sechser).
- **Texas A&M University**, “Nuclear Weapons and Coercive Diplomacy,” Book Workshop, May 2013 (co-organizer with Todd S. Sechser).
- **University of California, San Diego**, “The Consequences of Nuclear Posture, Policy, and Strategy,” March 2012.
- **University of California, San Diego**, “The Politics of Nuclear Weapons in the 21st Century: Policy Implications of the ‘New Wave’ of Nuclear Proliferation Research,” Washington, DC, December 2011.
- **U.S. Strategic Command**, “Concepts and Analysis of Nuclear Strategy,” September 2011.
- **Stanford University**, “Assessing Proliferation Intelligence Demand,” organized by the Nonproliferation Policy Education Center, August 2011.
- **Stanton Foundation**, “Nuclear Security Fellows Workshop,” Washington, D.C., May 2011.

- **Nuclear Policy Education Center**, “The Spread of Nuclear Programs, Military Planning, and War,” Seminar Dinner, Washington DC, May 2011.
- **Council on Foreign Relations**, “The Future of Nuclear Energy,” Congressional Senior Staff Roundtable, Capitol Building, Washington, DC, April 2011.
- **Council on Foreign Relations**, “Challenges of Nuclear Proliferation,” Academic Workshop, Montreal, Canada, March 2011.
- **Council on Foreign Relations**, “Risk and Reward: The Future of the Nuclear Renaissance and Implications for Global Energy Security,” Corporate Program Conference Call, January 2011.
- **Griffith Asia Institute**, “Australia’s Uranium Trade: Political, Security and Economic Dimensions of a Contentious Export,” Sydney, Australia, November 2010.
- **Georgia Tech**, “The Nuclear Renaissance and International Security,” January 2010 (co-organizer with Adam N. Stulberg).
- **University of California, San Diego**, Public Policy and Nuclear Threats Seminar: July 2008, July 2010, August 2011, August 2012, August 2013.

Professional Conference Presentations

- American Political Science Association (2007-11, 2013-17)
- Eurasian Peace Science Society (2012)
- Institute for Nuclear Materials Management (2006)
- International Studies Association (2007-16)
- Midwest Political Science Association (2006, 2011)
- Peace Science Society (International) (2006, 2009-10, 2012-17)
- Texas Triangle Conference (2012-16)
- Southern Political Science Association (2006, 2016)

Disciplinary Service

- Award Committees
 - Kenneth Waltz Dissertation Prize, American Political Science Association, 2017
 - Conflict Processes Best Paper Award, American Political Science Association, 2015
- Conference Section Head
 - American Political Science Association, Conflict Processes, 2018
 - Midwest Political Science Association, Foreign Policy, 2012
- Reviewer

- **Article manuscripts:** *American Journal of Political Science*, *American Political Science Review*, *British Journal of Political Science*, *Conflict Management and Peace Science*, *Diplomatic History*, *Energy Research and Social Science*, *Foreign Policy Analysis*, *International Interactions*, *International Journal of Energy Research*, *International Organization*, *International Security*, *International Studies Quarterly*, *International Studies Perspectives*, *Journal of Conflict Resolution*, *Journal of Peace Research*, *Journal of Politics*, *Journal of Theoretical Politics*, *Nonproliferation Review*, *Presidential Studies Quarterly*, *Security Studies*, and *World Politics*.
- **Book presses:** Cambridge University Press, Cornell University Press, and Oxford University Press.
- **Foundations:** Carnegie Corporation of New York, Israeli Science Foundation, National Science Foundation, Sêr Cymru II Program.

Memberships

- Council on Foreign Relations (term member)
- American Political Science Association
- International Studies Association
- Peace Science Society (International)
- Program on Strategic Stability Evaluation, Core Group Member, 2009-2016

References

Available upon request.