

April 2019

JOAN JOHNSON-FREESE

Employment History

2010-Current

University Professor, National Security Affairs, Naval War College, Newport, Rhode Island. Charles F. Bolden, Jr. Chair of Science, Space & Technology. Teaching security studies to U.S. and international military and security practitioners in a 10-month M.A. course.

2002-2010

Chair, National Security Affairs Department, Naval War College, Newport, Rhode Island. Responsible for a faculty of 50+ multidisciplinary, multicultural faculty of active duty military, retired military and academic faculty, curriculum development and execution to 500+ MA students annually.

2004-Current

Harvard University, Adjunct Professor, Summer School & Extension School Cambridge, MA. Classes: Women, Peace & Security; Space & Security; Grand Strategy & US National Security, Leadership in War & Peace.

1998-2002

Professor & Chair, Department of Transnational Studies, Asia-Pacific Center for Security Studies, Honolulu, HI Multidisciplinary classes taught at the APCSS to military officers and security practitioners from the Asia-Pacific region.

1993-1998

Professor, National Security Studies, Air University, Maxwell AFB, AL

1981-93

Associate Professor, Political Science, Director Center for Space Policy & Law, University of Central Florida, Orlando, FL

1991-current

1993-Current

Faculty, International Space University, Strasbourg, France

1991-92

Visiting Research Institute for Space & Astronautical Science (ISAS),

Sagamihara, Japan

Courses Taught Include: Women, Peace & Security (graduate/undergraduate), Space & Security (graduate/undergraduate); Globalization & US National Security (graduate/undergraduate); Leadership in War & Peace (graduate/undergraduate); Grand Strategy & US National Security; Seminar in Senior Leadership (graduate); Decision-Making & Implementation (graduate); Security, Strategy & Forces (graduate) Comparative Politics (graduate); International Institutions (graduate & undergraduate); National Security Studies (graduate); Comparative Democracies (graduate); American Government; Space Policy (graduate & undergraduate); Science, Technology & Public Policy; Research Methodology; Constitutional Law I & II (undergraduate)

Selected Professional Activity

- Advisory Board, Breakthrough Initiatives/Starshot 2019-current
- Senior Editor for the *Oxford Research Encyclopedia of Planetary Science*. 2016-2018
- International Space University, Faculty, 1994-current.
- Secure World Foundation, Board of Advisors, 2009-2016.
- Space Studies Board, National Academies of Science, 2010-2014.
- Lyles Commission, Goals & Rationale for the Future of the U.S. Civil Space Program, National Research Council, 9/08-6/09.
- Outstanding Educator Award, Women in Aerospace, 2007.
- Fellow, International Academy of Astronautics
- International Institute for Strategic Studies
- American Astronautical Society.
- Carnegie Council, Foreign Policy Roundtable, 2005-2009
- Congressional Testimony/Space topics: 2015, 2013, 2008, 2005, 1998
- Presentations on various security and gender related topics to: Chatham House; Renmin, Fudan and Beihang Universities, McGill University; Leuven (Belgium) Center for Space Law; Werner Von Braun Symposium; Santa Fe Institute; Yale Security Council Simulation; Belfer Center, Kennedy School of Government; Institute of Politics (Kennedy School of Government); Chinese Academy of Social Sciences; CSIS-Eisenhower Center Space Policy Workshop (Washington, D.C.); National Geospatial Agency; INFRI (Paris); Strategic Space Workshop (Tokyo); IEEE, Center for Nonproliferation Studies/GWU (Washington, D.C.), MIT Speaker's Series (Cambridge, MA); Brief to NASA Administrator Michel Griffith on the Chinese space program prior to his trip to China (September 2006), Fairbanks Center, Harvard University (Cambridge, MA), Center for Defense Information (Washington, D.C.), CSIS (Washington, D.C. 2003).
- Media Consultant, includes working with: CBS Nightly News, CBS news specials, Xinhua News Agency, China Radio, BBC, NBC, CBS Radio, Al Jazeera, Canadian Broadcasting, Discovery Channel, The Learning

Channel, Austrian television, CNN, ABC News, *New York Times*, *Washington Post*, *USA Today*, *Florida Today*, *Space News*, *Defense News*, Reuters, Associated Press, *Far Eastern Economic Review*, Voice of America, National Public Radio, Bloomberg.

- Recipient: Department of the Air Force Meritorious Service Award, 2 Department of the Navy Meritorious Civilian Service Awards, and a Department of the Navy Superior Civilian Service Award.

Select Recent Publications on Space

SPACE WARFARE IN THE 21ST CENTURY: ARMING THE HEAVENS, Routledge, 2016.

HEAVENLY AMBITIONS: America's Quest to Dominate Space, Univ. of Penn Press, May 2009.

SPACE AS A STRATEGIC ASSET, Columbia University Press, March 2007. Translated into Chinese by Chinese Academy of Social Sciences, 2008.

THE CHINESE SPACE PROGRAM: A MYSTERY WITHIN A MAZE, Krieger Publishing, 1998.

SPACE, THE DORMANT FRONTIER, CHANGING THE SPACE PARADIGM FOR THE 21 CENTURY, with Roger Handberg, Praeger Publishers, 1997.

THE PRESTIGE TRAP: A COMPARATIVE STUDY OF THE US, EUROPEAN AND JAPANESE SPACE PROGRAMS, with Roger Handberg, Kendall-Hunt, 1994.

OVER THE PACIFIC: JAPANESE SPACE POLICY INTO THE 21 ST CENTURY, Kendall-Hunt, 1993.

CHANGING PATTERNS OF INTERNATIONAL COOPERATION IN SPACE, Orbit Books, 1990.

"The Outer Space Treaty & The Weaponization of Space," with David Burbach, Bulletin of the Atomic Scientists, forthcoming.

"The Best Missile Defense Ever? Busting Myths About the Trump Administration's Best Missile Review," with David Burbach, *War on the Rocks*, February 6, 2019.

“China Launched More Rockets into Orbit in 2018 than Any Other Country,” *MIT Technology Review*, December 19, 2018.

“Expanding Space Security Options Through Gender Perspectives,” with Sahana Dharmapuri, *Space News*, December 5, 2018.

“Asia’s Many Space Races,” *The Diplomat*, December 1, 2018.

“One Good Reason for Creating a Space Force,” Texas National Security Roundtable, September 18, 2018.

“Outer Space Treaty After Fifty Years,” *Nature*, October 17, 2017.

“Space & National Security,” *Handbook on National Security*, Reveron, Cloud and Gvosdev, eds, Oxford University Press, forthcoming.

“Outer Space Treaty and International Relations Theory: For the Benefit of All Mankind,” in *Fifty Years of the Outer Space Treaty: Tracing the Journey*, (Ajey Lele, ed) IDSA, 2017.

“Stopping the Slide Toward A War in Space,” *Breaking Defense*, December 28, 2016.

“Stop the Fear Mongering Over War in Space,” with Theresa Hitchens, *Breaking Defense*, December 27, 2016.

“A Space Mission Force for the Global Commons of Space,” *SAIS Review*, Summer-Fall 2016.

Toward a New National Security Space Strategy, with Theresa Hitchens, Atlantic Council Strategy Paper, June 2016.

“Found in Space: Cooperation,” *U.S.-China Focus*, October 9, 2015.

“Escalating US-Sino Military Space Rhetoric,” *U.S.-China Focus*, July 21, 2015.

“Ceding American Leadership in Space,” *Fletcher Forum of World Affairs*, Winter 2015.

“The Hypocrisy of Rules,” *The Diplomat*, February 22, 2015.

“The Geostrategic, Techno-Nationalist Push Into Space, OASIS (Universidad Externado de Colombia), January 2015.

“Object 2014-28E: Benign or Malignant?” with Michael Listner, *Space.Com*, December 8, 2014.

“Domains, Budgets & Bureaucracies: Space, Nukes & Cyber,” *Breaking Defense*, October 24, 2014.

“Two Perspectives on U.S.-China Space Cooperation,” with Michael Listner, *Space News*, July 14, 2014.

“A New Model for Education: International Space University,” *Space News*, May 19, 2014.

“Taking Out the Space Trash,” *Breaking Defense*, May 2, 2014.

“Let’s All Go To The Movies: In China,” *China-US Focus*,” October 19, 2013.

“Gravity: It’s all about the Buzz,” *Space News*, October 14, 2013.

“Why Russian Keeps Moving the Football on European Missile Defense: Politics, with Ralph Savelsberg, *Breaking Defense*, October 17, 2013.

“The Need for a Consistent, Balanced US-China Policy,” *China-US-Focus*, September 28, 2013.

“China’s Anti-Satellite Program: They’re Learning,” *China-US Focus*, July 12, 2013.

Preventing Asteroid Armageddon: It’s Déjà vu All Over Again,” *Breaking Defense*, April 10, 2013

“Cox Committee Redux at NASA Ames,” with Theresa Hitchens, *Space News*, February 18, 2013

“A Long March Into Space: Untangling Fact From Fiction in China’s Galactic Ambitions,” *Cairo Review*, February 2013.

“Chinese Space Plane: Chimera or Object Lesson in Threat Analysis,” with Gregory Kulacki, *AOL Defense*, 27 September 2012.

“Space Code Key to Protecting U.S. Space Interests,” *World Politics Review*, 4 June 2012.

“India’s Space Program, Once a Pragmatic Goal, Now a Strategic Necessity,” Q&A, *World Politics Review*, 6 April 2012.

“America’s Ultimate Weapon With China: Lawyers,” *AOL Defense*, 26 March 2012.

“US-China Space Relations: Get Real,” *China Focus*, online, 4 November 2011.

“The NIKE Doctrine: A New American Security Policy,” *AOL Defense*, 20 Oct 2011.

Publications on PME/Gender

WOMEN, PEACE & SECURITY: AN INTRODUCTION, Routledge Press, November 2018.

EDUCATING AMERICA’S MILITARY, Routledge Press, January 2013.

“How the Pentagon Can Build on NATO’s Success with Women, Peace & Security, with Andrea Goldstein, *War on the Rocks*, forthcoming.

“Expanding Space Security Options Through Gender Perspectives,” with Sahana Dharmapuri, *Space News*, December 5, 2018.

“Integrating Women into Non-Traditional Fields: Athena and Beyond,” *Proceedings*, USNI, June 2017.

“Meaningful Metrics on Professional Military Education,” with Kevin Kelley, *Joint Force Quarterly*, January 2017.

“Educating the U.S. Military: Is Real Change Possible?” *War on the Rocks*, May 5, 2015, <http://warontherocks.com/2015/05/educating-the-u-s-military-is-real-change-possible/>

“Sexism and Sexual Assault: Connecting the Dots,” USNI Blog, June 6, 2015, <http://blog.usni.org/author/jjohnsonfreese>

“Patriarchal Sexism is Alive and Well in the Military,” with Ellen Haring, *Best Defense*, December 18, 2014. <http://foreignpolicy.com/2014/12/18/is-patriarchal-sexism-alive-and-well-in-the-military-where-do-you-think-bears-poop/>

“Is there hope for PME? Addressing IG Issues at the Naval War College,” *Best Defense*, September 11, 2014. <http://foreignpolicy.com/2014/09/11/is-there-hope-for-pme-addressing-ig-report-issues-at-the-naval-war-college/>

“The Military and Academic Ethics: Mixed Messages,” *Small Wars Journal*, November 4, 2014. <http://smallwarsjournal.com/blog/the-military-and-academic-ethics-mixed-messages>

“The Navy IG report on the Naval War College would have been better had the

authors understood academic freedom,” *The Best Defense*, August 1, 2014. <http://foreignpolicy.com/2014/08/01/the-navy-ig-report-on-the-naval-war-college-would-have-been-better-if-its-authors-understood-academic-freedom/>

“War College Woes,” *The Conversation*, *The Chronicle of Higher Education*, July 24, 2014. <http://chronicle.com/blogs/conversation/2014/07/24/war-college-woes/>

“The Counterproductive ‘Sea of Sameness’ in Military Education,” with Ellen Haring and Mary Beth Ulrich, *Joint Forces Quarterly*, July 1, 2014. <http://ndupress.ndu.edu/Media/News/NewsArticleView/tabid/7849/Article/577529/jfq-74-the-counterproductive-sea-of-sameness-in-pme.aspx>

“Rethinking Professional Military Education,” with Kevin Kelley, *Orbis*, Winter 2014. <http://www.fpri.org/articles/2013/10/rethinking-professional-military-education>

Some Thoughts on the Need for More Diversity in Military Education, *Best Defense*, December 3, 2013. <http://foreignpolicy.com/2013/12/03/some-thoughts-on-the-need-for-greater-diversity-in-professional-military-education/>

“‘Civilian’ Faculty in Professional Military Education,” with John Schindler, *Best Defense*, October 3, 2013. <http://foreignpolicy.com/2013/10/03/civilian-faculty-in-professional-military-education-just-what-does-that-mean/>

The Reform of Military Education: Twenty-Five Years Later, *Orbis*, Winter 2012. <http://www.fpri.org/docs/media/TheReformOfMilitaryEducation.pdf>

“An Update on Professional Military Education,” USNI Blog, July 3, 2012. <http://blog.usni.org/2012/07/03/an-update-on-profession-military-education>

Professional Military Education: Separate Military Requirements and Academic Degrees, *Small Wars Journal*, July 3, 2012. <http://smallwarsjournal.com/blog/professional-military-education-separate-military-requirements-and-academic-degrees>

“A Comment on ‘Does Keeping PME Relevant Mean Fixing Faculty First?’” USNI Blog, August 23, 2011. <http://blog.usni.org/2011/08/23/a-comment-on-does-keeping-pme-relevant-mean-fixing-faculty-first>

“Teach Tough, Think Tough: Three Ways to Fix the War Colleges,” *Breaking Defense*, July 23, 2011. <http://breakingdefense.com/2011/07/teach-tough-think-tough-three-ways-to-fix-the-war-colleges/>

Teach Tough, Think Tough: Why Military Education Must Change, *Breaking Defense*, June 15, 2011. <http://breakingdefense.com/2011/06/teach-tough-think-tough/>