Jaclyn A. Kerr

Senior Fellow for Defense and Technology Futures
Center for Strategic Research
National Defense University

EDUCATION

Ph.D., Government, Georgetown University, 2016
M.A., Government, Georgetown University, 2016
M.A., Russian, East European and Eurasian Studies, Stanford University, 2004
B.A.S., Mathematics and Slavic Literature and Languages, Stanford University, 2002

PROFESSIONAL APPOINTMENTS & AFFILIATIONS

2020-Present	Senior Fellow for Defense and Technology Futures, Center for Strategic Studies, National Defense University
2020-Present	Non-Resident Fellow, Foreign Policy Program, Brookings Institution
2016-Present	Affiliate, Center for International Security and Cooperation, Stanford University
2019-2020	AAAS STPF Fellow and Science and Technology Policy Adviser, Office of the Science and Technology Adviser to the Secretary, U.S. Department of State
2019	Senior Adviser, U.S. Cyber Solarium Commission Staff
2018-2019	New America Cybersecurity Fellow
2016-2019	Postdoctoral Research Fellow, Center for Global Security Research, Lawrence Livermore National Laboratory
2016-2019	Research Associate, Center for Deliberative Democracy and Global Digital Policy Incubator, Stanford University
2015-2016	Science, Technology, and Public Policy Predoctoral Fellow, "The Cyber Security Project," Belfer Center for Science and International Affairs, Kennedy School of Government, Harvard University
2015-2016	Visiting Scholar, Davis Center for Russian and Eurasian Studies, Harvard University
2014-2015	Cybersecurity Predoctoral Fellow, Center for International Security and Cooperation, Stanford University
2015	Research Associate, Center for Deliberative Democracy, Stanford University
2013-2014	Research Fellow, Center for the Study of New Media and Society, The New Economic School

2012	IREX Embassy Policy Specialist Fellow, United States Embassy in Kazakhstan
2011-2012	Research and Teaching Fellow, School of Foreign Service in Qatar, Georgetown University
2011	Research Associate, Berkman-Klein Center for Internet and Society, Harvard University
2006-2011	Graduate Teaching Fellow, Department of Government, Georgetown University
2009-2010	Teaching Associate, Program in Political and Social Thought, School of Foreign Service, Georgetown University
2009	Instructor, Department of Government Summer School, Georgetown University
2007-2008	Research Assistant, Department of Government, Georgetown University
2006-2007	Research Development Engineer, Streamsage Inc. (Subsidiary), Comcast Corporation
2004-2005	Software Development Engineer, Symantec Corporation
2002-2003	IREX Young Leaders Fellow, Saint Petersburg, Russia

DISSERTATION

Authoritarian management of (cyber-) society: Internet regulation and the new political protest movements. (PhD dissertation.) Georgetown University, Washington, DC, 2016.

PUBLICATIONS

"On Cyber-Enabled Information/Influence Warfare and Manipulation," with Herbert Lin. In *Oxford Handbook of Cybersecurity* (forthcoming 2021).

"Towards Trustworthy and Responsible Artificial Intelligence Policy Development," with Raj Madhavan, Amanda R. Corcos, and Benjamin P. Isaacoff. *IEEE Intelligent Systems Magazine*, Fall 2020.

"Crisis Stability and the Impact of the Information Ecosystem," with Kristin ven Bruusgaard. In *Three Tweets to Midnight: Effects of the Global Information Ecosystem on the Risk of Nuclear Conflict*, Hoover Institution Press (February 2020).

"The Russian Model of Digital Control and Its Significance," chapter in edited volume, *Artificial Intelligence, China, Russia, and the Global Order: Technological, Political, Global, and Creative Perspectives*, Editor Nicholas Wright, Air University Press, October 2019.

"Strategic Competition in Cyberspace: Workshop Summary Report," with Alexander Campbell, CGSR Report, September 2019.

"Information, Security, and Authoritarian Stability: Internet Policy Diffusion and Coordination in the Former Soviet Region," *International Journal of Communication*, 12 (2018), 3814–3834.

"Cyberspace, Information Strategy, and International Security: Workshop Summary Report," with Rafael Loss, and Ryan Genzoli, Center for Global Security Research, Lawrence Livermore National Laboratory, April 2018.

"iGovernance: The Future of Multi-Stakeholder Internet Governance in the Wake of the Apple Encryption Saga," with Scott Shackelford, Eric Richards, Anjanette Raymond, & Andreas Kuehn. *University of North Carolina Journal of International Law*, 2017.

"Spotlight on Cyber V: Back to the Future of Internet Governance?" Co-authored with Scott J. Shackelford, Enrique Oti, Elaine Korzak, and Andreas Kuehn. *Georgetown Journal of International Affairs*, June 25, 2015.

"Authoritarian Management of Cyber-Society in Post-Soviet States. Internet Penetration, Policies and New Protest Movements" *Studies in Public Policy* No. 503, Centre for the Study of Public Policy, University of Strathclyde, Glasgow. July 2013.

"State Relations with Cyber-Society: The Role of the Internet in Kazakhstani Politics," Scholar Research Brief, International Research and Exchange Commission (IREX), November 2012.

MEDIA, OP-EDS, BLOGS

"AI, China, Russia, and the Global Order: Chinese and Russian Domestic AI, Relative Power, and Military Dimensions," invited presenter for panel discussion, SMA Future of Great Power Competition & Conflict Speaker Series, March 7, 2019. https://nsiteam.com/ai-china-russia-and-the-global-order-chinese-and-russian-domestic-ai-relative-power-and-military-dimensions-panel-discussion/

"Meddling," invited interviewee for Raw Data Podcast, Stanford Worldview, April 2017. https://soundcloud.com/rawdatapodcast/meddling

"Decrypting the Global Encryption Debate," *The Huffington Post*, October 20, 2016, with Scott Shackelford, Eric Richards, Anjanette Raymond, and Andreas Kuehn. http://www.huffingtonpost.com/entry/5808d3f9e4b00483d3b5d0bf?timestamp=1476973934812

INVITED PRESENTATIONS

"The Russian Model of Internet Control and the Evolution of Cyber Conflict." Russia Module. Seminar on Contemporary Defense Issues: Countering WMD Fellows Colloquium, August 10-14. Invited speaker in student training program, Center for the Study of WMD, National Defense University, August 14, 2020.

"Authoritarianism Re-Wired: The Russian Model of Internet Control and the Evolution of Cyber Conflict." Invited speaker in Webinar, "Splinternets in conflict: The military and intelligence dimensions of RuNet." Event sponsored by Elliott School of International Affairs at George Washington University, and Marine Corps University, March 31, 2020.

"'Information Security' versus 'Cybersecurity': Conceptual Challenges and the Role of Norms in Addressing Disinformation Threats," Center for Technology and Global Affairs, Oxford University, November 8, 2019.

"Back to the Key Questions—a Roundtable Discussion," speaker on panel discussion at the Strategic Competition in Cyberspace Workshop, Center for Global Security Research, Lawrence Livermore National Laboratory, Livermore, CA, July 10-11, 2019.

"Seeking International Perspectives and Opportunities for Collaboration," panel moderator at the Cyber Conflict Studies Association's (CCSA) 2019 Workshop on the State of the Field of Cyber Conflict. Columbia University, SIPA, June 11, 2019.

"The Transforming Role of the Digital in Russian State-Society Relations: Internet Control and Political Representation," Invited speaker at the "International Conference on Chinese Governance in Global Context," Zhejiang University, March 22-24, 2019.

"Components of a WMD Program and the Role of Information," Invited speaker at Workshop on "Emerging Technologies and Convergence," Center for the Study of Weapons of Mass Destruction, National Defense University, January 17, 2019.

"International Crisis Stability: The Impact of the Contemporary Information Ecosystem," invited speaker at "This is Not a Drill" Workshop, Oahu, HA, January 9th, 2019.

"New Trends and Future Challenges in Cyber Conflict," Invited Speaker on panel at Annual Cyber Conflict Studies Association (CCSA) Bridging the Gap Workshop, Reston, VA, November 29-30, 2018.

"The Competitive Future: Unbridled or Managed Competition?" Invited speaker on cyber domain conflict in session as part of CGSR's "Multi-Domain Strategic Competition: Rewards and Risks" Workshop, the Center for Global Security Research, Lawrence Livermore National Laboratory, Livermore, CA, November 14, 2018.

"Balanced Approaches to Fighting Fake News and Terrorist Content," invited speaker in session as part of the EastWest Institute's "Global Cooperation in Cyberspace Progress Roundtable," Palo Alto, CA, September 14, 2018.

"Crisis Stability and the Impact of the Information Ecosystem," with Kristin ven Bruusgaard. Invited paper and presentation at "Effects of the Global Information Ecosystem on the Risk of Nuclear Conflict," Stanford University, September 7, 2018. Event jointly sponsored by the Stanley Foundation, Hoover Institute, and Center for International Security and Cooperation (CISAC).

"Information Warfare and the Challenge to Democratic Internet Governance," invited speaker at session, "Fake News: Cyber Influence Operations and Global Geopolitics," at Cyber Week conference, Tel Aviv University, Israel, June 19, 2018. https://www.youtube.com/watch?v=qlZpgrf076c

"Russian Cyber-Aggression and 'Information Warfare,'" invited speaker as part of the Strategic Studies Fellows Program, hosted by Indiana University and the Institute for Defense and Business (IDB), Bloomington, IN, May 23, 2018.

"National Cybersecurity vs. Information Security: Russia, International Cyber Conflict, & the Future of 'Internet Freedom.'" Invited speaker on panel, "IT Resources and Slipping Innovation Dominance of Democracies," at Naval War College conference, Systemic Cyber Defense: Integrating Economics, Information, Innovation, and Operationalization, Newport, RI, May 1st, 2018.

"Cyberspace in the Strategies of Potential Adversaries," speaker on panel discussion at the Cyberspace, Information Strategy, and International Security Workshop, Center for Global Security Research, Lawrence Livermore National Laboratory, Livermore, CA, February 27, 2018.

"Cyber-Enabled Information Warfare and the End of the Enlightenment," invited speaker with Herb Lin, Center for International Security and Cooperation (CISAC), Stanford University, February 1, 2018.

"Freedom v. Security: Is There a Sustainable Balance?" invited speaker on public roundtable at the International Symposium on Sustainable Development: Cybersecurity, University of Indiana, Bloomington, January 26, 2018.
https://iu.mediaspace.kaltura.com/media/CIBER+Symposium+on+Cybersecurity+%26+Sustainable+DevelopmentA+Freedom+v.+Security+-+Jan.+26%2C+2018/1_0w8qla2v

"Authoritarian Soft Power? Russia, International Cyber Conflict, and the Rise of 'Information Warfare,'" invited talk at workshop, "Comparative Industrial Policy in the Cybersecurity Industry: Policies, Drivers, and International Implications," UC Berkeley, October 20th, 2017.

"Internet Content, Information Conflict, & the Future of Free Expression" invited speaker on panel, "Strategic Use of Information," at the "Emerging Trends and Methods in International Security Workshop" with the Decadal Survey of Social and Behavioral Sciences for Applications to National Security, National Academies Division of Behavioral and Social Sciences and Education, Washington, DC, October 11, 2017. https://www.nap.edu/read/25058/chapter/4#20

"Authoritarian Soft Power? Russia, International Cyber Conflict, and the Rise of 'Information Warfare,'" invited lecture at Norwegian Research Center for Computers and Law (NRCCL), Faculty of Law, University of Oslo, Oslo, Norway, September 12, 2017.

"Authoritarian Soft Power? Russia, International Cyber Conflict, and the Rise of 'Information Warfare,'" invited lecture at Norwegian Institute for Defence Studies (IFS), Norwegian Defence University College, Oslo, Norway, September 11, 2017.

"Information Technologies and the Internet of Things," invited panel moderator at workshop, "Looking Back to Move Forward: Guiding Biotechnology through Lessons Learned from Nuclear, Chemical and Cyber Technologies," Center for Global Security Research (CGSR), Lawrence Livermore National Laboratory (LLNL), August 1, 2017.

"Governance and Democracy in the Digital Age – a Conversation," invited speaker in moderated discussion with Jennifer Pan for "Behind and Beyond Big Data" program, Worldview Stanford, Stanford University, July 27, 2017.

"'Information Security' versus 'Cybersecurity': Conceptual Challenges and Governance Dilemmas in Addressing the New Cyber Threats," invited speaker at workshop, "Who Governs, States or Stakeholders? Cybersecurity and Internet Governance." Invited participant at 3rd Annual Workshop, Internet Governance Project, Georgia Tech School of Public Policy, Atlanta, May 11-12, 2017.

"Authoritarian Soft Power? Russia, International Cyber Conflict, and the Rise of 'Information Warfare,'" invited lecture, University of Indiana, Co-Sponsored by the Center for Applied Cybersecurity Research and the Ostrom Workshop on Cybersecurity and Internet Governance. Invited participant in the Inaugural Ostrom Workshop Colloquium on Cybersecurity and Internet Governance, Bloomington, IN, April 27, 2017.
https://iu.mediaspace.kaltura.com/media/Authoritarian+Soft+PowerF+Russia%2C+International+Cyber+Conflict%2C+and+the+Rise+of+%E2%80%9CInformation+Warfare+-+Jackie+Kerr/1_ua7g13jb

"Authoritarian Soft Power? Russia, International Cyber Conflict, and the Rise of 'Information Warfare,'" invited lecture, Berkeley University Institute of Slavic, East European, and Eurasian Studies (ISEEES) and Institute of International Studies, April 19, 2017.

"What in the World is Going on? Cyber Strategies in 2017 and What They Mean," invited roundtable presenter discussing Russian cyber strategy as part of "Cyber Security for a New America 2017" Conference, The New America Foundation, Washington, DC, March 20, 2017.
https://www.youtube.com/watch?v=SG2_AFoKp6k&feature=youtu.be

"Stanford University Deliberative Polling Workshop on Encryption Policy," invited presenter for half-day IGF pre-conference workshop co-sponsored by the Center for Deliberative Democracy (CDD), and the Center for Democracy, Development, and the Rule of Law (CDDRL), Stanford University. UN Internet Governance Forum (IGF), December 5, 2016, Guadalajara, Mexico.

"Challenges to and Value of Interdisciplinary Research," invited speaker on panel as part of pre-conference workshop, "Challenges and Opportunities: A Condensed Workshop on Interdisciplinary Collaboration in Internet Governance Research," organized by the Internet Policy Observatory, Annenberg School of Communications, University of Pennsylvania. GIGANET pre-conference, UN Internet Governance Forum (IGF), December 4, 2016, Guadalajara, Mexico.

"Authoritarian Soft Power? Hacks, Leaks, Internet Controls, and the Rise of "Information Warfare,"" invited presentation in panel, "Global and Regional Governance Challenges: Saving a Multi-Stakeholder Model or Regional Solutions for Regional Problems?" at State Responses to Cyber Threats Research Workshop, UC Berkeley, November 4, 2016.

"iGovernance: The Future of Multi-Stakeholder Internet Governance in the Wake of the Apple Encryption Saga," invited presentation at the Cyberwarfare and International Law Symposium, UNC Law School, November 4, 2016 (via teleconference with Scott Shackelford & Eric Richards).

"Internet and Authoritarian Diffusion, Learning and Cooperation," invited presentation in panel discussion at conference, AUTHORITARIAN POWER AND PRACTICES IN A DIGITAL AGE at the University of Amsterdam, September 22-23, 2016.

"Digital Dictatorship OR Freedom Technology?" invited speaker on public roundtable discussion at conference, AUTHORITARIAN POWER AND PRACTICES IN A DIGITAL AGE at the University of Amsterdam, September 21, 2016.

"Mediating the 'New Cold War' in the Digital Age," invited to speak at conference of journalists, scholars, and regional experts, concerning the role of new and traditional media surrounding conflicts between Russia, Ukraine, Europe, and the United States. Dartmouth College, Hanover, NH, May 6-7, 2016. https://www.youtube.com/watch?v=KEwfRNYaBXI

"Rewiring Authoritarianism: Evolution, Diffusion, and Contestation of Internet Control," invited presented at Fellows Seminar at the Davis Center for Russian and Eurasian Studies, Harvard University, April 27th, 2016.

"The Digital Dictator's Dilemma: Internet Regulation and Political Control," invited presentation at the Nye Cyber Seminar, at the Belfer Center for Science and International Affairs, Kennedy School of Government, Harvard University, November 18, 2015.

"Authoritarian Internet Policy and the Future of the Global Internet," invited presentation at The Ethics Code of Conduct for Cyber Peace and Security Conference, Boston Global Forum, Cambridge, MA, September 25, 2015. https://bostonglobalforum.org/2015/10/jaclyn-kerr-authoritarian-internet-policy-and-the-future-of-global-internet/

"The Digital Dictator's Dilemma: Internet Regulation and Political Control in Non-Democratic States," invited presentation at the Berkman Center for Internet and Society, Harvard University, February 23rd, 2015. Participant in State Department-sponsored peer-to-peer exchange program between the Berkman Center and the Center for the Study of New Media and Society in Moscow, Russia.

"Bypassing or Manipulating Democracy: Media Control and Resistance in China, Russia, and Turkey," invited speaker in panel discussion by the Project for Advanced Research in Global Communication (PARGC) at the Annenberg School for Communication at the University of Pennsylvania, February 12, 2015. https://www.asc.upenn.edu/news-events/annenberg-video/global-and-comparative-communication-videos/pargc-panel-bypassing-or

"The Digital Dictator's Dilemma: Internet Regulation and Political Control in Non-Democratic States," Invited lecture at CISAC Social Science Seminar, Center for International Security and Cooperation, Stanford University, October 16, 2014.

"Internet Penetration and Political Protest: The Global and Regional Politics of Internet Use and Regulation" invited lecture at the Center for the Study of New Media and Society, New Economic School, Moscow, Russia. September 18, 2013. https://www.youtube.com/watch?v=9e9DtiqFLQA

"Digital Dictator's Dilemma: Social Media and Civic Unrest." YouTube Talk. Invited to deliver guest lecture on Google's YouTube campus. San Bruno, CA. April 8, 2013.

"Information and Communication Technologies and Changes in Civic and Political Engagement: The Politics of ICT Use and Regulation in Kazakhstan," Invited presentation to American Embassy in Astana, August 23, 2012.

"Information and Communication Technologies and Changes in Civic and Political Engagement: Kazakhstan, Central Asia, and the Former Soviet Region," Invited presentation to the American Corner of Almaty, August 1, 2012.

CONFERENCE PRESENTATIONS

Conference on Cyber Norms: Dealing with Uncertainty, The Hague Program for Cyber Norms, Institute of Security and Global Affairs, Leiden University, November 5-6, 2019.

American Political Science Association (APSA) Annual Convention: 2019, 2016, 2015, 2013, 2012.

International Studies Association (ISA) Annual Convention: 2019, 2018, 2017, 2015, 2014, 2013, 2012.

Association for Slavic, East European, and Eurasian Studies (ASEEES) Annual Convention: 2020, 2018, 2017, 2016, 2015, 2014, 2013, 2012.

Pre-conference workshop, "War and the Internet: new research on cyber and communication technologies," Peace Science Society Meeting, Temple, AZ, November 2, 2017.

European Consortium for Political Research (ECPR) General Conference, Oslo, Norway, September 8, 2017.

Society for Social Studies of Science (4S) Annual Meeting, Boston, MA, August 30, 2017.

International Communications Association (ICA) Annual Conference, San Diego, May 25, 2017.

Midwest Political Science Association (MPSA) Annual Conference: 2015, 2011, 2009.

Northeastern Political Science Association (NPSA) Conference: 2008.

International Studies Association-Northeast Annual Conference: 2008.

PROFESSIONAL SERVICE

Workshops, Speaker Series, Events Organized:

Facilitator and Organizer of Workshop, "Digital Illiberalism and Emerging Technologies: STAS-DRL Joint Virtual Workshop." Event organized on behalf of the Office of the Science and Technology Adviser to the Secretary (STAS) and the Bureau of Democracy, Human Rights, and Labor, U.S. Department of State, May 8th, 2020.

Facilitator and Organizer of Workshop, "Strategic Competition in Cyberspace: Challenges and Implications," Center for Global Security Research, Lawrence Livermore National Laboratory, Livermore, CA, July 10-11, 2019.

Moderator and Organizer of Roundtable Discussion, "The Future of Digital Coercion: Cyber Conflict, Authoritarianism, and Emerging Technologies," Center for Global Security Research (CGSR), Lawrence Livermore National Laboratory, July 9, 2019.

Facilitator and Organizer of Workshop, "Cyberspace, Information Strategy, and International Security Workshop," Center for Global Security Research, Lawrence Livermore National Laboratory, Livermore, CA, February 27-28, 2018.

Chair and Co-Organizer for Seminar, "Marina Kaljurand and Elaine Korzak: Discussing the Global Commission on the Stability of Cyberspace and the Role of Law Online." Event co-organized by the Stanford Cyber Initiative and the Center for Global Security Research at Lawrence Livermore National Laboratory. Stanford University, February 26, 2018.

Organizer and Chair of "Information Strategy and International Security" Speaker Series, Center for Global Security and Cooperation (CGSR), Lawrence Livermore National Laboratory, 2016-2019.

Moderator and Organizer of Book Talk, "The Red Web: The Struggle Between Russia's Digital Dictators and the New Online Revolutionaries," presentation by Andrei Soldatov and Irina Borogan, Davis Center for Russian and Eurasian Studies & Belfer Center for Science and International Affairs, Harvard University, October 27, 2015.

Working Groups:

OECD AI Experts Network Working Group on Implementing Trustworthy AI, Spring 2020-present.

Brookings Institution High-Level Transatlantic Working Group on Disinformation, invited participant, beginning October, 2019.

CISAC Cyber Reading Group (CRG), Center for International Security and Cooperation, Stanford University, 2014-2015, 2016-Present.

Sun Tzu and Cybersecurity Working Group, Center for International Security and Cooperation (CISAC), Stanford University, January-June 2018.

Chair of Working Group on "Data Protection, Privacy, and Security," San Francisco Bay Area Chapter, the Internet Society (ISOC), 2017-2018.

Working Group on Digital Constitutionalism, Program on Science and Technology Studies, Harvard University, 2015-2016.

The Cyber Security Project & Cyber Seminar, Belfer Center for Science and International Affairs, Harvard University, 2015-2016.

Peer-Reviewer:

International Security, *Journal of Cybersecurity*, *Nationalities Papers*, *Space & Defense*.

Best Paper Award Committee Member, International Studies Association (ISA) International Communications (ICOMM) Section, 2018-2019.

Professional Associations:

Cyber Conflict Studies Association (CCSA)
American Association for the Advancement of Science (AAAS)
American Political Science Association (APSA)
International Studies Association (ISA)
Association for Slavic, East European, and Eurasian Studies (ASEEES).

ADDITIONAL PROFESSIONAL TRAINING

Public Policy and Nuclear Threats (PPNT) Summer Boot Camp, University of California Institute on Global Conflict and Cooperation, July 27-August 8, 2019.

Institute for Qualitative and Multi-method Research (IQMR), Syracuse University, June 14-25, 2010.

SELECT AWARDS & GRANTS

Dissertation Research Travel Grant, Department of Government, Georgetown University, 2013.

Best TA/RA of the 2009-10 Academic Year, Department of Government, Georgetown University, Fall 2010.

Graduate Tuition Fellowship, Department of Government, Georgetown University, 2006-2011, 2013-2014.

Dobro Slovo, National Slavic Honor Society, Stanford University, Inducted 2004.

Foreign Language and Area Studies (FLAS) Fellowship in Russian language, Stanford University, 2003-2004.

Stanford Undergraduate Research and Slavic Department Grants for summer language training and research, 2001.