

Women in the Overlap of Emerging Technologies and National Security

This list comprises women who are thinking, writing, researching, analyzing, philosophizing, speaking and producing innovative ideas on *emerging technologies and national security*.

Lydia Kostopoulos (*a fellow woman in emerging tech and national security*) continues to compile this living document, if you know of anyone who should be added to the list, or if you are on this list and would like to be removed, or have something amended contact her on Twitter [@LKCYBER](https://twitter.com/LKCYBER) or via her website Lkcyber.com.

North America

Name	
Elsa Kania @EBKania Washington DC, USA	Leading expert on Chinese military technologies in the area of artificial intelligence. Speaks and writes on autonomous weapons systems, bioconvergence and Chinese security policy. Also fluent in Chinese.
Natasha Bajema, PhD @WMDgirl Washington DC, USA	Has a wealth of experience in a broad range of WMDs; and has just released "Bionic Bug," a mystery novel and techno-thriller that explores the intersection of drones, biotech, gene editing, and more. Also fluent in German.
Missy Cummings @missy_cummings Durham, NC, USA	After a career in the Air Force where she one of the nation's first female fighter pilots, she went to Duke University to head the Humans and Autonomy lab where she teaches and conducts research on autonomous systems and their impact on society, homeland security and national security.
Jen "JJ" Snow Tampa, FL, USA	JJ is an Air Force Officer at the heart of the disruptive tech ecosystem, seeing the latest trends and connecting how they apply to the military and special operations at SOFWERX.
Kate Hammerberg @kate_hberg Arlington, VA, USA	Conducts research at the Center for Naval Analyses, serving the development function of the Navy and Marine Corps, she focuses on emerging technologies and information.
Alison Sander @alison_sander Boston, MA, USA	Tracks more than 100 Megatrends many of which are in the National Security and Technology spaces. Speaker on National Security and Technology Issues and covers trends in this space including Cybersecurity, Autonomous vehicles and drones, biotech, asymmetric warfare, global divides, and rise of natural disasters.
Kate Charlet @KateCharlet Washington DC, USA	Formerly at DOD Cyber Policy, she now heads the technology and international affairs program at the Carnegie Endowment where she leads research on international stability implications of cyber, AI and biotech.
Rebecca Crootof @RebeccaCrootof New Haven, CT, USA	Primary areas of research include torts, international law, and technology law; her written work explores questions stemming from the iterative relationship between law and technology, often in light of social changes sparked by increasingly autonomous systems, artificial intelligence, cyberspace, robotics, and the Internet of Things. She teaches Technology Law, a course that identifies the various ways both domestic and international legal regimes respond to and shape technological development, and the Law and Artificial Intelligence reading group.
Rebecca Decker @dr_rad_27 Colorado Springs, CO, USA	Director of Catalyst Campus for Technology and Innovation, an emerging innovation hub where industry, small business, workforce training, entrepreneurs, startups and venture capital intersect with Colorado's

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	aerospace and defense industry to create community, spark innovation and stimulate business growth. Becca also leads the Catalyst Accelerator program in partnership with the Missile Systems Center Advanced Systems & Development Directorate, Air Force Research Laboratory Space Vehicles Directorate, and the Small Business Development Center of Boulder. The Catalyst Accelerator will expose the AFRL team and other government partners to commercial technologies with innovative solutions to warfighter needs.
Melissa Flagg @flaggster73 Alexandria, VA, USA	As the Deputy Assistant Secretary of Defense for Research, she is responsible for policy and oversight for the DOD Science and Technology programs and advanced technology development. Formerly responsible for programs developing technologies needed for continued technological superiority of U.S. military forces.
Allison Winer @ArmyMadSci Norfolk, VA, USA	Is the Deputy Director of Mad Scientist Initiative at U.S. Army Training and Doctrine Command where she brings together cutting-edge leaders and thinkers from the technology industry, research laboratories, academia, and across the military and Government to explore the impact of disruptive technologies, including robotics, autonomy, artificial intelligence, cyber warfare, mega cities, biology, neurology, and material sciences etc.
Sarah Soliman @BiometricsNerd Washington DC, USA	Her research interests lie at the intersection of national security, emerging technology, and identity. She traveled all over Iraq and Afghanistan for two years as a field engineer supporting ISR, biometrics, forensics, and sensitive site exploitation, including time with Special Operations Command.
Jennifer McArdle @jlmcardle01 Newport, RI, USA	Assistant professor of Cyber Defense and PhD researcher focusing on cyber, tech and national security. Speaks and writes on the changing character of war, multi-domain battle and LVC training.
Nina A. Kollars @NianaSavage Lancaster, PA, USA	Assistant Professor of Government, her research examines the innovative practices of U.S. soldiers in war, and organizational responses to that creativity. She explores technological and tactical modifications that fall outside military guidelines and whether those new practices and technologies become incorporated into doctrine. Her second passion is teaching and developing new techniques that emphasize active-learning processes.
Jacquelyn Schneider, PhD @JackieGSchneid Newport, RI, USA	Assistant professor and author, her research focuses on the intersection of technology, national security, and political psychology with a special interest in cyber, unmanned technologies.
Julia Macdonald, PhD @jumacdo Denver, CO, USA	Assistant professor, researcher and author focusing on coercive diplomacy, nuclear politics, unmanned weapons, trust, confidence and the future of warfare.
Oliva Garard @teaandtactics Yuma, AZ, USA	Unmanned aircraft commander, thinker and writer on trends in AI and robotics and what they mean for the U.S. Marine Corps.
Kelley Saylor @kelleysaylor Washington DC, USA	Researcher, and policy analyst her work focuses on unmanned aerial (and sea-based) systems, force development planning and emerging technology strategies for defense preparedness.
Heather Price Washington, DC, USA	Based out of the Pentagon – she is a defense weapons acquisition specialist currently serving in OSD (Personnel & Readiness), focusing on intersection of force readiness and defense technology.
Bernice Kiyo Glenn @BerniceKGlenn	Builds networks comprising of government, innovators, industry, and academia as part of a rapid-contracting-vehicle ecosystem. On the

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San Francisco CA, USA	innovation front she aligns innovation units with government entities, regional industry clusters, and across industry and government innovation offices.
Kathleen Delano @kdelano001 Washington DC, USA	She advises on innovation leadership and strategy across government agencies. She launched the #LetOurScientistsGo campaign to increase public awareness of the importance of maintaining the nation's technical and scientific leadership through robust investment in U.S. R&D.
Jackie Space @jackiespace Los Angeles, CA, USA	She works to solve national security problems with Silicon Valley speed. A former Air Force officer and aerospace geek, she is passionate about how to make government problems accessible to the best talent and resources.
Rebecca Wynn Tempe, AZ, USA	International speaker and author who brings light to technology, risk management, privacy, security, and compliance. Collaborator on NIST frameworks such as Cybersecurity v1.1, and 800-53 r3 and 4. Was a lead DIACAP and FedRAMP certifier for six years
May Casterline Charlottesville, VA, USA	Working with the DoD she is an expert on Artificial Intelligence and how to apply it to military remote sensing applications.
Sarah Kreps @sekreps Ithaca, NY, USA	Professor teaching, researching and writing on drone warfare and author of two books on the subject: (1) Drone Warfare (2) Drones: What Everyone Needs to Know
Andrea Lane @ap_lane Halifax, NS, Canada	PhD research on submarines technology, culture, symbolism and gender in defense and security.
Karen Mascariñas @kmascx Washington DC, USA	Graduate student researching the ethics of emerging technologies and national security.
Lauren Fish @LaurenFishDC Washington DC, USA	Her research focuses on the future of warfare and defense.
Alicia Wanless @lageneralista Ottawa, Canada	Internationally recognized researcher of information warfare and strategic communications in a digital age. With more than a decade of experience in researching and analyzing the information environment, focusing on propaganda and disinformation, she conducts content and network analysis, and has developed original models for identifying and analyzing digital propaganda campaigns.
Jen Sovada Washington, DC, USA	USAF Colonel conducting outreach to think tanks, universities, non-profits and private sector companies to build public/private partnerships to share and exchange information between private and public sectors. Portfolio includes geopolitical analysis, innovation, science and technology and other national security topics.
Felice Flake Tampa, FL, USA	Her work focuses on security in multiple sectors--private, government, and military. She is involved in multiple projects and serves in several leadership roles locally and nationally and is the President of the Tampa Bay ISSA Chapter.
Merritt Baer @MerrittBaer Washington, DC, USA	She manages security architecture for global accounts, enables digitalization and manages cyber security of the cloud ecosystem through intelligent architecture for the largest cloud provider (Amazon) which also handles national security clients.
Chinmayi Sharma @chinny_sharma Washington DC, USA	Lawyer and policy analyst working on how emerging technologies work with issues of domestic and international law in the current geopolitical climate. Lawfare contributor and former programmer/founder of tech company.

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Alicia Dressman @thedelphivision Washington DC, USA	She is a nuclear policy specialist who consults with think tanks, governments, and young professionals in the field of arms control and nuclear security. Her focus on Russian Strategic Forces includes the application of emerging technologies with advanced conventional weapons such as hypersonic boost-glide vehicles.
Allison Pytlak @a_pytlak New York, NY, USA	Plays a key role in the disarmament program of the Women's International League for Peace and Freedom, she has a background in arms control, disarmament, security, international law, the UN and civil society, combined with experience in developing and implementing complex advocacy strategies.
Ray Acheson @achesonray New York, NY, USA	Leads the disarmament program of the Women's International League for Peace and Freedom and steering group member of the International Campaign to Abolish Nuclear Weapons (ICAN) which one the 2017 Nobel Peace Prize.
Kendall Hoyt @KendallHoyt Hanover, NH, USA	She teaches and conducts research on U.S. biodefense policy, global health policy, and biomedical R&D strategy. She is an advisor to the Coalition for Epidemic Preparedness Innovations (CEPI).
Margaret Kosal @mekosal Atlanta, GA, USA	Her research explores the relationships among technology, strategy, and governance. She focuses on two, often intersecting, areas: reducing the threat of weapons of mass destruction (WMD) and understanding the role of emerging technologies for security.
Amanda Moodie @moodiemanda Washington DC, USA	Her work focuses on strategic stability and regional security in East Asia, North Korea's WMD programs, and chemical and biological threat reduction.
Gigi Gronvall @ggronvall Baltimore, MD, USA	Her work addresses the role of scientists in health security—how they can contribute to an effective technical response against a biological weapon or a natural epidemic. She is particularly interested in developing policies that will boost the safety and security of biological science activities while allowing beneficial research to flourish.
Rebecca Hersman @rebeccahersman Washington DC, USA	Was the former deputy assistant secretary of defense for countering weapons of mass destruction (WMD), and currently writes, speaks and advises on international security and nuclear issues.

Europe

Name	
Anja Kaspersen @AnjaKasp Geneva, Switzerland	International speaker on disruptive technologies and warfare, how it affects national security and humanitarian operations. Currently the Director of Disarmament Affairs at the United Nations in Geneva.
Elanor Boekholt @ElanorBoekholt The Netherlands	Tapped to be the new Commander for the Dutch Cyber Command. She previously lead the Innovation Center AIR (Ambition, Innovation, Result) of the Royal Netherlands Air Force Command.
Kerstin Vignard @kvignard Geneva, Switzerland	Deputy Director UN Institute on Disarmament Research. Leads UNIDIR's work on weaponization of increasingly autonomous technologies, artificial intelligence and cyber.
Kathleen Lawand @klawand Geneva, Switzerland	Heads the Arms Unit at the International Committee of the Red Cross. She is vocal on issues relating to the legality of new weapons, means and methods of warfare, particularly lethal autonomous weapons systems.

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<p>Jennifer Roderick London, United Kingdom</p>	<p>With military (Royal Air Force), science, policy and commercial experience, Jennifer is an open source intelligence expert who currently works as Head of Research in the FinTech industry. She regularly speaks and trains other in matters relating to open source intelligence, emerging technologies and security.</p>
<p>Filippa Lentzos @FilippaLentzos London, United Kingdom</p>	<p>Her research focuses on biological threats and on the security and governance of emerging technologies in the life sciences. Her focus is on synthetic biology, genome editing, potentially pandemic pathogens and neurobiology. She has published two books (1) Biological Threats in the 21st Century, 2016, and (2) is currently working on a textbook for undergraduate students 'Synthetic Biology & Bioweapons'.</p>
<p>Joanna J. Bryson @j2bryson Princeton, NJ, USA / Bath, UK</p>	<p>Expert on understanding natural intelligence and designing intelligent systems. Her research team is working on the transparency of artificial intelligence in the context of domestic robots and computer games. She believes that transparency should lead to greater safety and accountability, as well as improved moral understanding of the role of AI in society. Her work is very relevant to the development of lethal autonomous weapons systems.</p>
<p>Maya Brehm @schoggitaler Geneva, Switzerland</p>	<p>Her research focuses on the regulation of weapons under international law. She conducts research into the legal requirements on the use of autonomous weapons systems under international humanitarian and human rights law and leads the Weapons Law Encyclopedia project.</p>
<p>Merel Ekelhof @MerelEkelhof Amsterdam, The Netherlands</p>	<p>Commissioned by the Netherlands Ministries of Defense and Foreign Affairs, her research examines the effect of increasingly autonomous technologies on military decision-making with a specific focus on the application of the law of armed conflict and human control in the targeting process. She presents her work to and regularly engages with governments, humanitarian organizations, UN agencies (i.e. CCW), military services, international organizations (i.e. NATO), research institutes, the media and NGOs on issues related to Lethal Autonomous Weapon Systems. Her research focuses on the intersection between targeting law, autonomous technologies and military decision-making. She specialized in military decision-making through her fieldwork and the completion of several military and civilian courses and exercises with regard to advanced targeting, weapons law and the future of targeting.</p>
<p>Sophie Fischer, PhD @SophieCFischer Zurich, Switzerland</p>	<p>Her research and publications focus on autonomous weapons, the challenges of emerging tech governance and arms control.</p>
<p>Ulrike Franke @RikeFranke UK</p>	<p>Policy fellow researching and writing on the convergence between drones and artificial intelligence.</p>
<p>Maaïke Verbruggen @M_Verbruggen Brussels, Belgium</p>	<p>PhD Researcher specializing in emerging military and security technologies and arms production, trade, and control. Her dissertation focuses on military innovation in autonomy, and she also works on drones/unmanned systems, biotechnology and human enhancement.</p>
<p>Giovanna Maletta @gio_maletta Stockholm, Sweden</p>	<p>Her research is on dual-use and arms trade control, and has experience in disarmament affairs and non-proliferation.</p>
<p>Amy J. Nelson @AmyJNelsonPhD Berlin, Germany</p>	<p>Research scholar examining national security issues relating to arms control, nonproliferation, emerging tech, diffusion and defense trade.</p>

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<p>Berenice Boutin @bereniciboutin The Hague, Netherlands</p>	<p>International law researcher focusing on responsibility, human rights, military operations, counter-terrorism and emerging technologies.</p>
<p>Abigail Watson @Abigail_Watson7 London, United Kingdom</p>	<p>Researcher with the remote warfare program, her focus is on the special forces, intelligence sharing and drones.</p>
<p>Emily Knowles @knowles_em London, United Kingdom</p>	<p>Leading the remote warfare program she analyzes changes in military engagement and how they are impacted by new and emerging technologies.</p>
<p>Ingvild Bode @IngvildBode Canterbury, United Kingdom</p>	<p>Researches autonomous weapons systems, peace and the use of force.</p>
<p>Jessica Dorsey @jessicadorsey Utrecht, The Netherlands</p>	<p>Her research focuses on international humanitarian law, counter terrorism and drones. Fellow at the International Centre for Counter-Terrorism, Editor of the OpinioJuris forum for informed discussions on international law.</p>
<p>Heather M. Roff @HMRoff London, UK</p>	<p>Conducts academic research on international ethics, security, and emerging military technology, particularly cyber warfare, lethal autonomous weapons, and unmanned systems. She is also interested in the Responsibility to Protect doctrine, international humanitarian law, and the philosophy of Immanuel Kant.</p>
<p>Matilda Arvidsson @MatildaArvidss Gothenburg, Sweden</p>	<p>Her post-doctoral research and publications focus on post humanitarian international law and the practice of law, artificial intelligence, as well as gender targeting.</p>
<p>Anja Dahlmann @adahlma Berlin, Germany</p>	<p>Her areas of expertise are defense and security policy, technology policy and armed forces. Her research centers around the regulation of autonomous weapons, and arms controls of unmanned military systems.</p>
<p>Delina Goxho @delinagoxho Brussels, Belgium</p>	<p>She works on matters relating to armed drones and unmanned aerial systems as well as counter terrorism policy.</p>
<p>Silja Voeneky @PublicIntLaw Freiburg, Germany</p>	<p>Current research is on emerging ethical, legal, philosophical and social aspects of the interaction between humans and autonomous intelligent systems. She also serves as member of the Public International Law Advisory Board at the Germany Federal Foreign Office. Her areas of legal focus include legitimacy, democracy, biomedicine, and the governance of scientific and technological innovations.</p>
<p>Lianne Boer Amsterdam, The Netherlands</p>	<p>Her research centers around law and politics of international security with a focus on the legal and academic discourse on cyber warfare.</p>
<p>Jade Leung Cambridge, UK</p>	<p>Her research focuses on artificial intelligence as an emerging, dual-use technology with distinct national security implications. I focus primarily on the national security establishments in US and China, and their interactions with multinational technology companies leading in the AI space.</p>
<p>Joyce Hakmeh @JoyceHakmeh London, UK</p>	<p>Co-editor of the Journal of Cyber Policy, providing regular analysis on cyber policy issues. Her recent work includes developing cyber scenario exercises for private sector organizations and looking at cybercrime legal frameworks at the national and international levels. Her areas of expertise include cybercrime, cyber security, rule of law and good governance, international criminal justice, and human rights.</p>
<p>Laura Boillot @lauraboillot London, UK</p>	<p>Coordinates the international network of explosive weapons (INEW). She speaks on issues relating to humanitarian disarmament and weapons issues through the lens of Article 36.</p>
<p>Ana Sanchez Cobaleda @anasancob Barcelona, Spain</p>	<p>Teaches and conducts research on International Public Law and Security and PhD focusing on institutionalized technical cooperation in the field of nonproliferation and dual-use goods.</p>

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Australia / New Zealand

Name	
Kobi Leins Melbourne, Australia	With prior experience working at the United Nations and the International Committee of the Red Cross, she has focused her current research on the use of nanotechnology enhanced or based weapons, its legal use in an armed conflict, and the significance of Article 36 weapons reviews for emerging technologies but is interested more broadly in governance of new and emerging technology.
Nicole Matejic @NicoleMatejic Melbourne, Australia	Examines the national security challenges through a 'decision science' (behavioral economics) lens. Nicole uses big data and open-source data to research the path to radicalization - on which her doctoral thesis is based.

Asia

Name	
Latha Reddiy @lathareddy51 Bengaluru, India	Is the former Deputy National Security Adviser of India. She remains an international thought leader and continues to speak on international security issues and cyber security. She is the Co Chairman at the Global Commission on Stability in Cyberspace.
Rajeswari Pillai Rajagopalan @raji143 New Delhi, India	She heads the Nuclear & Space Policy Initiative at ORF, the leading think tank in India. She regularly publishes and speaks on Asian security & geopolitics, nuclear & space policy and arms control issues. She is the author of four books: (1) Nuclear Security in India (2015), (2) Clashing Titans: Military Strategy and Insecurity among Asian Great Powers (2012), (3) The Dragon's Fire: Chinese Military Strategy and Its Implications for Asia (2009), and (4) Uncertain Eagle: US Military Strategy in Asia (2009). She has also co-authored and edited five other books, including Space Policy 2.0: Commerce, Policy, Security and Governance Perspectives (2017); Nuclear Security in India (Second Edition) (2016); Iran Nuclear Deal: Implications of the Framework Agreement (2015).
Zoe Stanley-Lockman @zoemsl Singapore	Military modernization researcher focusing on emerging critical technologies with experience in the US, Europe, and Asia.

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Middle East

Name	

Africa

Name	

Latin America

Name	