## Select Bibliograph

## Select Bibliography

- K. W. Abbott, G. E. Marchant and D. J. Sylvester, "Transnational Regulation: Reality or Romanticism?', in G. Hodge, D. Bowman and A. Maynard (eds.), *International Handbook on Regulating Nanotechnologies* (Cheltenham: Edward Elgar, 2010).
- K. W. Abbott, G. E. Marchant and D. J. Sylvester, 'A Framework Convention for Nanotechnology?' *Environmental Law Reporter*, 36 (2006), 10931–10942.
- K. Abuya, 'Kenya's Computer and Cybercrimes Bill 2016 Gets Approval', techweez, 7 April 2017, available at www.techweez.com/2017/04/07/computer-cybercrimes-bill-2017-kenya-approved/.
- Academy of Medical Sciences, the British Academy, the Royal Academy of Engineering and the Royal Society, 'Human enhancement and the future of work', Report from a joint workshop hosted by the, November 2012, available at www.acmedsci .ac.uk/viewFile/publicationDownloads/135228646747.pdf.
- S. Ackerman, 'Army's Fingerprint and Iris Scan Databases Head for the Cloud', Wired, 30 May 2013, at www.wired.com/2013/05/army-biometrics-cloud/.
- E. Ackerman, 'FAA Unveils Drone Rules: Autonomy is In, Drone Delivery is Out', IEEE Spectrum, 16 February 2015, available at http://spectrum.ieee.org/automa ton/robotics/drones/faa-proposed-commercial-drone-rules.
- Airbus Corporation, 'CityAirbus demonstrator passes major propulsion testing milestone', available at www.airbus.com/newsroom/press-releases/en/2017/10/ cityairbus-demonstrator-passes-major-propulsion-testing-mileston.html, accessed on 9 February 2018.
- G. Aldrich, 'Questions of International Law raised by the Seizure of the USS Pueblo' (1969) 63 Proceedings of the American Society of International Law at Its Annual Meeting (1921–1969) 2.
- D. Alexander, 'Retired General cautions against overuse of "hated" drones', *Reuters*, 7 January 2013, available at www.reuters.com/article/us-usa-afghanistan-mcchrystal/ retired-general-cautions-against-overuse-ofhated-drones-idUSBRE90608O20130107.
- Allen Institute for Brain Science, available at www.alleninstitute.org/what-we-do/brainscience/.
- B. R. Allenby, 'Are new Technologies Undermining the Laws of War?', Bulletin of the Atomic Scientists, 70(1) (2014), 21.
- J. Altmann, Military Nanotechnology: Potential Applications and Preventive Arms Control (Routledge, 2006).

- P. Alvelda, 'Neural Engineering System Design' (NESD), 2017, available at www .darpa.mil/program/neural-engineering-system-design.
- W.-N. An, Z. Chen, et al., 'Remote Target Recognition and Tracking Based on Biometric Characteristics', 2017 Conference on Electrical Engineering and Automation Control, available at http://dpi-proceedings.com/index.php/dtetr/article/ viewFile/10741/10291.
- M. Andenas, 'Reassertion and Transformation: From Fragmentation to Convergence in International Law', 46 Georgetown Journal of International Law (2015) 685-734.
- G. J. Annas, 'Protecting Soldiers from Friendly Fire: The Consent Requirement for Using Investigational Drugs and Vaccines in Combat', (1998) 24 American Journal of Law & Medicine 245, at 253.
- C. Andrew and V. Mitrokhin, The Mitrokhin Archive: The KGB in Europe and the West (Alan Lane/The Penguin Press, 1999).
- R. Armstrong, et al., Bio-Inspired Innovation and National Security (Washington: National Defence University Press, 2010),
- I. Arreguin-Toft, 'How the Weak Win Wars. A Theory of Asymmetric Conflict', International Security, 8 December 2005, 26: 1, 93-128.
- M. Astor, 'Microchip Implants for Employees? One Company Says Yes', New York Times, 25 July 2017.
- M. Atwood, 'Margaret Atwood: The Road to Ustopia', The Guardian, 14 October 2011.
- E. Auchard, 'Macron campaign was target of cyber attacks by spy-linked group', *Reuters*, 24 April 2017, available at www.reuters.com/article/us-france-electionmacron-cyberidUSKBN17Q200.
- Australia, 'Intelligence, Surveillance and Reconnaissance, Space, Electronic Warfare and Cyber Security', *Defence White Paper*, 2016, at www.defence.gov.au/White paper/docs/ISR-Cyber.pdf.
- Australian Government, Australia's Cyber Security Strategy (2016), p. 28, available at https://cybersecuritystrategy.dpmc.gov.au/assets/img/PMC-Cyber-Strategy.pdf.
- Australian Government Department of Defence, 'Department of Defence extends Optus Satellite contract', 1 June 2017, available at www.minister.defence.gov .au/minister/marise-payne/media-releases/department-defence-extnds-optus-satellitecontract.
- A. Backstrom and I. Henderson, 'New Capabilities in Warfare: An Overview of Contemporary Technological Developments and the Associated Legal and Engineering Issues in Article 36 Weapons Reviews', International Review of the Red Cross, 94 (2012), 483.
- D. Baird and A. Shew, 'Probing the History of Scanning Tunneling Microscopy', in D. Baird, A. Nordmann, and J. Schummer (eds.), *Discovering the Nanoscale* (IOS Press, 2004), 145–156.
- B. Baker, 'Booming Biometrics: How Human Data Is Transforming the Battlefield', Army Technology, 18 March 2014.
- J. M. Balbus, et al., 'Meeting Report: Hazard Assessment for Nanoparticles Report from an Interdisciplinary Workshop', Environmental Health Perspectives, 115(11) (2007), 1654.
- BBC News, 'Anthrax Jab Side-Effects Withheld', BBC News (21 February 2004), available at http://news.bbc.co.uk/2/hi/asia-pacific/3509037.stm.

- BBC News, 'Music Torture: How Heavy Metal Broke Manuel Noriega', BBC News, 30 May 2017, available at www.bbc.co.uk/news/world-latin-america-40090809
- J. Bean, 'Enhanced Blast Weapons and Forward Medical Treatment', US Army Medical Department Journal, (April-June 2004), 48-51.
- M. Beard, J. Galliott and S. Lynch, 'Soldier Enhancement: Ethical Risks and Opportunities', Australian Army Journal XII:1 (Winter 2016), 13.
- G. Bell, Talk entitled 'Managing the Machines: Building a New Applied Science for the 21st Century' (2018), available at https://cecs.anu.edu.au/3a-institute.
- J. B. Bellinger III, legal adviser to the State Department and William J. Haynes II, Department of Defense General Counsel, 3 November 2006, available at www.defenselink.mil/news/newsarticle.aspx?id=3308.
- S. M. Bellovin, M. Blaze, S. Clark and S. Landau, 'Lawful Hacking: Using Existing Vulnerabilities for Wiretapping on the Internet,' Northwestern Journal of Technology and Intellectual Property (2014); 12(1): 3-64.
- B. Bender, 'Pentagon Considers Using Electricity to Stimulate Troops' Brains', Boston Globe, 18 February 2014.
- L. Bennett Moses, 'Sui Generis Rules', in G. E. Marchant, B. R. Allenby and J. R. Heckert (eds.), *The Growing Gap between Emerging Technologies and Legal-Ethical Oversight: The Pacing Problem*, Vol. 7, International Library of Ethics, Law and Technology (New York: Springer, 2011).
- L. Bennett Moses and J. Chan, 'Using Big Data for Legal and Law Enforcement Decisions: Testing the New Tools' (2014), 37(2), University of New South Wales Law Journal 643.
- L. L. Bergeson and J. E. Plamondon, 'TSCA and Engineered Nanoscale Substances', Nanotechnology Law & Business, 4 (2007), 51.
- D. M. Berube, Nano-Hype: the Truth behind the Nanotechnology Buzz (Amherst, NY: Prometheus Books, 2006).
- C. Bing, 'NSA Technical Director: Sharing Hacker Information Isn't Enough, We Need a Shared Response', 30 March 2017, *Cyberscoop*, available at www.cybers coop.com/nsa-technical-director-sharing-hacker-information-isnt-enough-needshared-response/.
- G. Binnig, et al., 'Surface Studies by Scanning Tunneling Microscopy', *Physical Review Letters*, 49(1) (1982), 57.
- G. Binnig and H. Rohrer, 'In Touch with Atoms', Reviews of Modern Physics, 71(2) (1999), S324-330, S324.
- 'Scanning Tunneling Microscopy', IBM Journal of Research and Development, 44(1/2) (2000), 279.
- J. Bird and G. Bird, 'Human Rights and the Military: The "Chemical Soldier" (2005) 30 Alternative Law Journal 81, 81–85.
- M. Birnbaum, 'Russian Submarines are Prowling Around Vital Undersea Cables. It's Making NATO Nervous', *The Washington Post*, available at www .washingtonpost.com/world/europe/russian-submarines-are-prowling-aroundvital-undersea-cables-its-making-nato-nervous/2017/12/22/d4c1f3da-e5do-11e7-927ae72eac1e73b6\_story.html?utm\_term=.c8392188f79e.
- Blue Brain Project, Digital Reconstruction, available at https://bluebrain.epfl.ch/cms/ lang/en/pid/59963.

- R. G. Boire, 'Civil Liberties for the Mind: At the Crossroads of Civil Liberties and the Law', Mind Matters (Centre for Cognitive Liberty & Ethics) 1:2 (2004).
- J. Boone, 'US Army Amasses Biometric Data in Afghanistan', *The Guardian*, 27 October 2010, at www.theguardian.com/world/2010/oct/27/us-army-biometric-data-afghanistan.
- W. H. Boothby, The Law of Targeting (Oxford: Oxford University Press, 2012).
- 'How Will Weapons Reviews Address the Challenges Posed by New Technologies?', Military Law and the Law of War Review, 52(1) (2013), 58.
- Weapons and the Law of Armed Conflict, 2nd edn (Oxford: Oxford University Press, 2016).
- J. Borger, 'Chinese Warship Seizes US Underwater Drone in International Waters', *The Guardian*, 16 December 2016, available at www.theguardian.com/world/2016/ dec/16/china-seizes-us-underwater-drone-south-china-sea.
- P. J. A. Borm, et al., 'The Potential Risks of Nanomaterials: A Review Carried Out for ECETOC', Particle and Fibre Toxicology, 3(1) (2006).
- N. Bostrom and A. Sandberg, 'Cognitive Enhancement: Methods, Ethics, Regulatory Challenges', Science and Engineering Ethics 15:3 (September 2009), 312.
- N. E. Boudette and B. Vlasic, 'Tesla Self-Driving System Faulted by Safety Agency in Crash', New York Times, 12 September 2017, available at www.nytimes.com/2017/09/12/business/self-driving-cars.html.
- V. Boulanin, Implementing Article 36 Weapon Reviews in the Light of Increasing Autonomy in Weapon Systems (November 2015) SIPRI Insights on Peace and Security, available at www.sipri.org/sites/default/files/files/insight/SIPRIInsight1501.pdf.
- D. R. Boverhof, et al., 'Comparative Assessment of Nanomaterial Definitions and Safety Evaluation Considerations', *Regulatory Toxicology and Pharmacology*, 73(1) (2015), 137–150.
- D. M. Bowman, 'More than a Decade On: Mapping today's Regulatory and Policy Landscape following the publication of Nanoscience and Nanotechnologies: Opportunities and Uncertainties', NanoEthics, 11(2) (2017), 169-186.
- D. M. Bowman and J. Gatof, 'Reviewing the Regulatory Barriers for Nanomedicine: Global Questions and Challenges', *Nanomedicine*, 10(21) (2015), 3275.
- D. M. Bowman and G. Hodge, 'A Small Matter of Regulation: An International Review of Nanotechnology Regulation', Columbia Science and Technology Law Review, 8 (2007), 5.
- S. Bronitt and J. Stellios, 'Regulating Telecommunications Interception and Access in the Twenty-first Century: Technological Evolution or Legal Revolution?' (2006) 24 Prometheus: Critical Studies in Innovation 413.
- S. Bronitt and B. McSherry, *Principles of Criminal Law*, 3rd edn (Sydney: Lawbook Co), 2010, 6.
- R. Brownsword and M. Goodwin, Law and the Technologies of the Twenty-First Century: Text and Materials (Cambridge: Cambridge University Press, 2012).
- H. Brueck, This Tiny Robot Team Could Help Stop the No. 1 Killer in America (12 January 2016) Fortune, available at http://fortune.com/2016/01/12/artery-clearing-nanobot/.
- M. Brundage, et al., The Malicious Use of Artificial Intelligence: Forecasting, Prevention, and Mitigation (February 2018), available at https://img1.wsimg.com/blobby/go/ 3d82daa4-97fe-4096-9c6b-376b92c619de/downloads/1c6q2kc4v\_50335.pdf.
- W. Buhrow, Biometrics in Support of Military Operations: Lessons from the Battlefield (Boca Raton: Taylor and Francis, 2017), 64-65.

- M. Burgess, 'Wikileaks Drops "Dark Matter": Part Two of Its Vault 7 CIA leaks', Wired, 24 March 2017.
- O. Burkeman and R. Norton-Taylor, 'US Pilots Blame Drug for Friendly Fire Deaths', The Guardian 4 January 2003.
- L. Bushak, 'Robot Surgeon Succeeds Without Help From Human Doctors', Medical Daily, 13 May 2016, available at www.medicaldaily.com/robot-surgeon-smart-tissue-autonomous-386079.
- C. Buzea, Ivan P. and K. Robbie, 'Nanomaterials and Nanoparticles: Sources and Toxicity', *Biointerphases*, 2(4) (2007), 17-71.
- CAA, 'How is UK Airspace Structured?', available at www.caa.co.uk/Consumers/ Guide-to-aviation/Airspace/How-is-UK-airspace-structured-/.
- J. Caldwell, et al., 'Modafinil's Effects on Simulator Performance and Mood in Pilots during 37 Hours without Sleep', Aviation, Space and Environmental Medicine 75:9 (September 2004), 777–784.
- L. Caiyu, 'China's First Quantum Information Network Will Prevent Hacking: Expert', Global Times, 9 July 2017.
- Canada Communications Security Establishment, Cyber Threats to Canada's Democratic Process, 7 June 2017, available at www.cse-cst.gc.ca/sites/default/files/csecyber-threat-assessment-e.pdf.
- L. Carter, D. Burnett, S. Drew, G. Marle, L. Hagadorn, D. Bartlett-McNeill and N. Irvine, *Submarine Cables and the Oceans: Connecting the World*, at 8 (UNEP-WCMC Biodiversity Series No. 31, ICPC / UNEP-WCMC (2009), available at www.iscpc.org/documents/?id=132.
- P. G. Carozza, 'Human Dignity', in D. Shelton (ed.) The Oxford Handbook of International Human Rights Law (Oxford: Oxford University Press, 2013) 345-359, 354.
- A. B. Carter, M. Lettre and S. Smith, 'Keeping the Technological Edge', 129. See also H. Kleinberg, 'On War in Space', (2007) 5 Astropolitics, 19.
- S. Casey-Maslen, N. Corney and A. Dymond-Bass, 'The Review of Weapons under International Humanitarian Law and Human Rights Law', in S. Casey-Maslen (ed.), Weapons under International Human Rights Law (Cambridge: Cambridge University Press, 2014).
- S. Casey-Maslen and S. Connolly, *Police Use of Force under International Law* (New York: Cambridge University Press, 2017).
- J.-L. Chameau, et al., Emerging and Readily Available Technologies and National Security: A Framework for Addressing Ethical, Legal, and Societal Issues (Washington: National Academies Press, 2014) 72.
- C. Chambers, 'Neuro-Enhancement in the Military: Far-Fetched or an Inevitable Future', *The Guardian*, 7 October 2016.
- E. Champion, 'Thirty-five Arguments against Google Glass', *Reluctant Habits* (14 March 2013), available at www.edrants.com/thirty-five-arguments-against-goo gle-glass/ accessed 17 February 2018.
- E. Chan, 'The Food and Drug Administration and the Future of the Brain-Computer Interface: Adapting FDA Device Law to the Challenges of Human-Machine Enhancement,' John Marshall Journal of Computer and Information Law (2007); 25: 117-164.
- A. Chatterjee, 'The Ethics of Neuroenhancement', Handbook of Clinical Neurology, 118 (2013), 323.

- Q. Chaudhry, et al., Final Report: A Scoping Study to Identify Gaps in Environmental Regulation for the Products and Applications of Nanotechnologies (2006) Safe Nano www.safenano.org/media/109893/DEFRA2005-Review\_of\_ gaps\_in\_environmental\_regulation\_for\_the%20products\_and\_applications\_of\_ nanotechnologies.pdf.
- L. Chengzhi, 'The Chinese GNSS System development and policy analysis', (2013) 29 Space Policy, 9.
- Chemical Watch, 'EU Consults on Nanomaterial Definition: Revision of Recommendation Three Years Late', Chemical Watch, 19 September 2017, available at https://chemicalwatch.com/59016/eu-consults-onnanomaterial-definition.
- International Committee of the Red Cross, 'Rule 154. Obedience to Superior Orders', Customary International Humanitarian Law Database, available at https://ihldatabases.icrc.org/customary-ihl/eng/docs/v1\_rul\_rule154.
- E. S. Cho, et al., 'Graphene Oxide/Metal Nanocrystal Multilaminates as the Atomic Limit for Safe and Selective Hydrogen Storage', *Nature Communications*, (2016) www.nature.com/articles/ncomms10804.pdf.
- Jens Clausen, et al., 'Help, Hope, and Hype: Ethical Dimensions of Neuroprosthetics' Science, 30 Jun 2017:. 356, 6345, 1338–1339, DOI: 10.1126/science.aam7731.
- CNN, 'Bush presents Congressional Medal of Honor', 16 July 2001, available at http:// edition.cnn.com/TRANSCRIPTS/0107/16/se.02.html.
- D. R. Coats, 'Worldwide Threat Assessment of the US Intelligence Community', 11 May 2017, available at www.dni.gov/files/documents/Newsroom/Testimonies/ SSCI%20Unclassified%20SFR%20-%20Final.pdf.
- C. Coglianese and D. Lehr, 'Regulating by Robot: Administrative Decision Making in the Machine-Learning Age,' Georgetown Law Journal (2017); 105: 1147-1223.
- R. Cohen Kadosh, 'Using Transcranial Electrical Stimulation to Enhance Cognitive Functions in the Typical and Atypical Brain", 4 (March 2013), Translational Neuroscience, 20-33.
- R. H. Cole, Operation Just Cause: The Planning and Execution of Joint Operations in Panama, February 1988-January 1990 (Joint History Office, Office of the Chairman of the Joint Chiefs of Staff, Washington 1995) 59-60.
- P. Collins, 'The Value of Respect: What Does It Mean for an Army?', Journal of Military Ethics 16:1-2, 2.
- Committee on Opportunities in Neuroscience for Future Army Applications, Opportunities in Neuroscience for Future Army Applications (2009), 117, available at www.ncbi.nlm.nih.gov/books/NBK207983/.
- Committee on Toxicity of Chemicals in Food, Consumer Products and the Environment, The Toxicology of Nanoparticles Used in Healthcare Products (2006) HM Government, available at https://cot.food.gov.uk/sites/default/files/cot/cotsta tementnanomats200701.pdf.
- A. Conte, 'Drones with facial recognition technology will end anonymity, everywhere', Business Insider, 27 May 2013, available at www.businessinsider.com/facial-recognition-technology-and-drones-2013-5?IR=T.
- J. M. Cosumano Jr, 'A Day without Space: Ensuring It Doesn't Happen', Summer 2002, Army Space Journal, 2-3.
- Z. Corbyn 'Crispr: Is It A Good Idea to "Upgrade" Our DNA?' The Observer (London) 10 May 2015.

- G. Corera, 'NHS Cyber attack was "launched by North Korea", BBC News, 16 June 2017, available at www.bbc.co.uk/news/technology-40297493.
- G. Corfield, 'BAe Systems' Autonomous Research Aircraft Flies Itself To Scotland', *The Register*, 5 December 2016, available at www.theregister.co.uk/2016/12/05/bae\_ systems\_autonomous\_flying/.
- Lt Col R. Cornum, Dr J. Caldwell and Lt Col K. Cornum, 'Stimulant Use in Extended Flight Operations', Airpower Journal (Spring 1997), 57, available online: https://pdfs .semanticscholar.org/8128/64ff145b4a3916b824311ed1dbb554384178.pdf.
- M. Crowley, 'The Use of Incapacitants in Law Enforcement', in Casey-Maslen (ed.), Weapons under International Human Rights Law, 357-381, 358.
- Daily Telegraph, 'Google Removes 640 Videos From Youtube Promoting Terrorism', 18 June 2012, available at www.telegraph.co.uk/technology/google/9337993/ Google-removes-640-videos-from-YouTube-promoting-terrorism.html.
- M. Dando, 'Find the Time to Discuss New Bioweapons', Nature, 535 (2016), 9.
- I. Daoust, R. Coupland and R. Ishoey, 'New Wars, New Weapons? The Obligation of States to Assess the Legality of Means and Methods of Warfare' (2002) 846 IRRC 345, 348.
- DARPA Launches Biological Technologies Office, 1 April 2014, available at www .darpa.mil/news-events/2014-04-01.
- L. Dearden, 'ISIS Videos Targeted by Artificial Intelligence That Can Detect Propaganda Before It's Uploaded', The Independent, 13 February 2018, available at www.inde pendent.co.uk/news/uk/home-news/isis-videos-artificial-intelligence-propaganda-aihomeoffice-islamic-state-radicalisation-asi-data-a8207246.html.
- A. Deeks, 'Confronting and Adapting: Intelligence Agencies and International Law,' Virginia Law Review (2016); 102(3): 599–685.
- Defense Advanced Research Projects Agency (DARPA), Systems of Neuromorphic Adapted Plastic Scalable Electronics (SyNAPSE), available at www.darpa.mil/ program/systems-of-neuromorphic-adaptive-plastic-scalable-electronics.
- Defense Advanced Research Projects Agency (DARPA), 'Boosting Synaptic Plasticity to Accelerate Learning', 16 March 2016, available at www.darpa.mil/newsevents/ 2016-03-16.
- Defense Advanced Research Projects Agency, 'Atoms to Product: Aiming to make Nanoscale Benefits Life-Sized' (Media Release, 22 August 2014), available at www.darpa.mil/news-events/2014-08/22.
- Defence Science Institure, Symposium, 'Future Technologies for Personal Protection', 7–8 November 2013, available at www.defencescienceinstitute.com/2012/09/10/dsidstosymposium-future-technologies-personal-protection/.
- N. Denette, 'Supreme Court Rejects Federal Government's Argument That Omar Khadr Is an Adult Offender', *National Post*, 14 May 2015, at http://nationalpost .com/news/canada/supreme-court-rejects-tory-argument-that-omar-khadr-was-adultoffender.
- Department of Defense USA, 'Department of Defense Directive' (3000.03E), 25 April 2013, revised 27 September 2017, available at www.esd.whs.mil/Portals/54/Docu ments/DD/issuances/dodd/300003p.pdf?ver=2017-09-27-125836-647.
- M. de Zwart, 'COOGLE in Space? How Will Space Governance Accommodate Non-State Actors?', (May 27, 2016), RUMLAE Research Paper No. 16–21, available at SSRN: https://ssrn.com/abstract=2809409.

- M. de Zwart and D. Stephens, 'Non-Military Space Testing in the Woomera Prohibited Area: Opportunities for the Australian Space Industry?', (2017) 45 Federal Law Review, 39.
- J. J. DiCarlo, 'To Advance Artificial Intelligence, Reverse-Engineer the Brain,' Wired, 3 February 2018.
- Diehl BGT Mutual Active Protection System, described at www.defense-update.com/ 20110112\_maps.html.
- C. Dillow, 'A Synthetic Brain Synapse Is Constructed from Carbon Nanotubes,' Popular Science, 22 April 2011.
- H. Dinniss and J. K. Kleffner, 'Soldier 2.0: Military Human Enhancement and International Law', International Law Studies 92:432 (2016).
- Y. Dinstein, The Conduct of Hostilities under the Law of International Armed Conflict, 3rd edn, (2016), 237–238.
- District Court for the District of Columbia, 16 February 2018; Case 1:18-cr-00032-DLF, available at www.justice.gov/file/1035477/download.
- A. Dolnik and R. Pilch, 'The Moscow Theater Hostage Crisis: The Perpetrators, their Tactics and the Russian Response' (2003) 8 International Negotiation 577, 600-601.
- A. R. Dombe, 'Biometric Target Recognition', 19 March 2017, available at www .israeldefense.co.il/node/28881.
- K. Donaldson, 'The UK Would Respond to a Russian Cyber Attack with the Weapon of Its Own Choice', *Bloomberg*, 18 December 2017.
- A. W. Dorn, Keeping Watch: Monitoring, Technology and Innovation in UN Peace Operations (Tokyo: United Nations University Press, 2011), 2.
- L. Doswald-Beck (ed.) San Remo Manual on International Law Applicable to Armed Conflicts at Sea (Cambridge/San Remo: Cambridge University Press/International Institute of Humanitarian Law, 1995).
- 'Humanitarian Law in Future Wars', in M. Schmitt and L. Green (eds.), The Law of Armed Conflict: Into the Next Millennium (Newport, RI: Naval War College, 2006) 139.
- G. Dugué, W. Akemann and T. Knöpfel, 'A Comprehensive Concept of Optogenetics', in T. Knöpfel and E. Boyden (eds.), *Optogenetics: Tools for Controlling and Monitoring Neuronal Activity* (New York: Elsevier, 2012).
- A. Dymond-Bass and N. Corney, "The Use of "Less-Lethal" Weapons in Law Enforcement', in S. Casey-Maslen (ed.), Weapons under International Human Rights Law (New York: Cambridge University Press, 2014).
- M. Eckstein, 'Navy Releases Details of New FFG(X) Guided Missile Frigate Program in Request to Industry', 10 July 2017, available at https://news.usni.org/2017/ 07/10/navy-releases-details-of-new-ffgx-guided-missile-frigate-program-in-requestto-industry.
- D. Eigler, 'From the Bottom up: Building Things with Atoms', in G. Timp (ed.), Nanotechnology (Springer, 1999), 425-435.
- A. Eisenberg, 'When Robotic Surgery Leaves Just a Scratch', New York Times, 17 November 2012.
- A. C. Emery, 'Zero-Day Responsibility: The Benefits of a Safe Harbor for Cyber Security Research', 57 Jurimetrics 4, Summer 2017, 483, 488-489.
- C. Enemark, "Non-Lethal" Weapons and the Occupation of Iraq: Technology, Ethics and Law' (2008) 21(2) Cambridge Review of International Affairs 199, 201.

- Environmental Protection Agency, Nanotechnology white paper (2007) US Government, available at www.epa.gov/sites/production/files/2015-01/documents/nano technology\_whitepaper.pdf.
- A. Estes, "The Pentagon is Putting Its Big Brother Data Collection in the Cloud', *Gizmodo*, 01 June 2013, at www.gizmodo.com.au/2013/06/the-pentagon-is-puttingits-big-brother-data-collection-in-the-cloud/.
- A. Estrada, 'Modafinil as a Replacement for Dextroamphetamine for Sustaining Alertness in Military Helicopter Pilots', Aviation, Space and Environmental Medicine, Vol. 83, No 6 (June 2012): 557.
- European Commission, Regulatory Aspects of Nanotechnologies: SEC(2008) 2036 (17 June 2008), available at https://ec.europa.eu/research/industrial\_technologies/ pdf/policy/comm\_2008\_0366\_en.pdf.
- Second Regulatory Review on Nanomaterials (COM(2012) 572 final) (2012), available at http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri%3DCOM:2012:0572: FIN:en:PDF.

Draft Recommendation for tackling illegal material online, dated February 2018, available at https://edri.org/files/illegal\_content\_ec\_draft\_recommendation\_201802.pdf.

- European Court on Human Rights, Guide on Article 8 of The European Convention on Human Rights: Right to Respect for Private and Family Life (30 April 2017), available at www.echr.coe.int/Documents/Guide\_Art\_8\_ENG.pdf.
- European Data Protection Supervisor, Opinion 9/2016, 'EDPS Opinion on Personal Information Management Systems: Towards more user empowerment in managing and processing personal data', 20 October 2016, available at https://secure .edps.europa.eu/EDPSWEB/webdav/site/mySite/shared/Documents/Consultation/ Opinions/2016/16-10-20\_PIMS\_opinion\_EN.pdf.
- FAA Advisory Circular 21-2 dated 21 June 2016, available at www.faa.gov/uas/media/ AC\_107-2\_AFS-1\_Signed.pdf.
- S. Fan, 'New Bionic Arm Blurs Line between Self and Machine for Wearers' Singularity Hub, 4 April 2018, available at https://singularityhub.com/ 2018/04/04/new-bionic-arm-blurs-line-between-self-and-machine-for-wearers/ #sm.0000aeon81dp1ecg115s6ehz1nqub.
- N. A. Farahany, 'A Neurological Foundation for Freedom,' Stanford Technology Law Review (7 December 2011): 11-53.
- B. J. Feder and T. Zeller Jr, 'Identity Badge Worn under Skin Approved for Use in Health Care', 14 October 2014, www.nytimes.com/2004/10/14/technology/identity-badge-worn-under-skin-approved-for-use-in-health-care.html?\_r=0.
- G. Fein, 'Surface Navy 2018: Saab's NuMNS Extends MCM Operations', 11 January 2018, available at www.janes.com/article/77005/surface-navy-2018-saab-s-mumns-extends-mcm-operations.
- W. J. Fenrick, 'The Conventional Weapons Convention: A Modest but Useful Treaty', 279 IRRC 498 (1990) 500.
- W. Fenrick, 'The Law Applicable to Targeting and Proportionality after Operation Allied Force: A View from the Outside' (2000) YIHL 51.
- D. P. Fidler, 'The International Legal Implications of "Non-Lethal" Weapons' (1999) 21 Michigan Journal of International Law 51, 63.
- "The Meaning of Moscow: "Non-Lethal" Weapons and International Law in the 21st Century', (2005) 859 IRRC 525 at pages 540-544.

'Requiem for the Internet Freedom Strategy,' Net Politics, 17 October 2017.

- J. Fioretti, 'French Privacy Watchdog Raps WhatsApp over Facebook Data Sharing', *Reuters*, 18 December 2017, available at www.reuters.com/article/us-whatsappprivacy-france/french-privacy-watchdog-raps-whatsapp-over-facebookdata-sha ring-idUSKBN1EC285.
- Food and Drug Administration, Is the Product a Medical Device?, available at www .fda.gov/MedicalDevices/DeviceRegulationandGuidance/Overview/ClassifyYour Device/ucmo51512.htm.
- Nanotechnology: a Report of the US Food And Drug Administration Nanotechnology Task Force (2007), US Government, available at www.fda.gov/ScienceResearch/ SpecialTopics/Nanotechnology/ucm2006659.htm.
- Food Standards Agency, Report of the FSA regulatory review (2008) HM Government, available at www.food.gov.uk/sites/default/files/multimedia/pdfs/nanoregreviewre port.pdf.
- S. Foss Hansen, et al., 'Late Lessons from Early Warnings for Nanotechnology', Nature Nanotechnology, 3(8) (2008), 444-447.
- J. Foust, 'Debating a Code of Conduct for Space' *The Space Review* (online) 7 March 2011, www.thespacereview.com/article/1794/1.
- 'United Arab Emirates to Establish Human Spaceflight Program', Space News (online) http://spacenews.com/united-arab-emirates-to-establish-human-spaceflightprogram, 2 October 2017.
- R. A. Friedman, 'Why Are We Drugging Our Soldiers?', New York Times, 21 April 2012. L. Fuller, The Morality of Law (New Haven, CT: Yale University Press, 1969).
- G7 Group of States, Declaration on Responsible States [sic] Behaviour in Cyberspace, full text available at www.esteri.it/mae/resource/doc/2017/04/declaration\_on\_cyber space.pdf.
- J. Gallego, 'New Dust-Sized Implants May be the Key to Monitoring Your Internal Health', *Futurism*, 5 August 2016.
- P. Ganapati, 'Surgical Robots Operate with Precision', Wired, 9 November 2009, available at www.wired.com/2009/09/surgical-robots/.
- C. M. Garlic, 'Guidance by Clicks: The Unauthorized Practice of Law in a Technology Driven World,' *Trinity Law Review* (2014); 19: 267-307.
- C. Gavaghan and J Moore, A Review of the Adequacy of New Zealand's Regulatory Systems to Manage the Possible Impacts of Manufactured Nanomaterials (2011), available at www.academyconferences.com/pdf/nznanoreview.pdf.
- J. Giles, 'Beta-blockers Tackle Memories of Horror', Nature (28 July 2005), 436, 448-449.
- Global Commission, meeting at Las Vegas on 27 July 2017 as described at https:// cyberstability.org/news/645-2/.
- J. Goldblatt, Agreements for Arms Control: A Critical Survey (Stockholm International Peace Research Institute, 1982), 89.
- R. Gonzalez, 'Neuroscientists Just Launched an Atlas of the Developing Human Brian,' Wired, 7 December 2017, available at www.wired.com/story/neuroscientists-justlaunched-an-atlas-of-the-developing-human-brain/?mbid=BottomRelatedStories.
- H. T. Greely, 'Regulating Human Biological Enhancements: Questionable Justifications and International Complications', Santa Clara Journal of International Law 4:2 (2006), 88.

- M. P. Green and D. R. Burnett, 'Security of International Submarine Cable Infrastructure – Time to Rethink?', in M. H. Nordquist, et al. eds., Legal Challenges in Maritime Security, (Dordrecht/Boston: Martinus Nijhoff, 2008).
- A. Greenfield, Radical Technologies (New York: Verso, 2017).
- C. Greenwood, 'The Advisory Opinion on Nuclear Weapons and the Contribution of the International Court to International Humanitarian Law' (1997), 316 IRRC 65, 73.
- A. Grigsby, 'Year in Review: Militaries Got More Cyber in 2016,' Net Politics, 26 December 2016.
- M. L. Gross, 'Bioethics and Armed Conflict: Mapping the Moral Dimensions of Medicine and War', Hastings Centre Report 34, no 6 (2004), 23.
- L. Grush, 'SpaceX Makes Aerospace History with Successful Launch and Landing of a Used Rocket', 30 March 2017, *theverge.com* (online), www.theverge.com/2017/3/ 30/15117096/spacex-launch-reusable-rocket-success-falcon-9-landing.
- The Guardian, 'Mystery of Sonic Weapon Attacks at US Embassy in Cuba Deepens', *The Guardian*, 15 September 2017, available at www.theguardian.com/world/2017/ sep/14/mystery-of-sonic-weaponattacks-at-us-embassy-in-cuba-deepens.
- The Guardian, 'Russia Names Gas Used to End Siege', The Guardian, 30 October 2002, available at www.theguardian.com/world/2002/oct/30/russia.
- L. F. Haber, The Poison Cloud: Chemical Warfare in the First World War (Oxford: Oxford University Press, 1986).
- D. Hambling, 'Ships Fooled in GPS Spoofing Attack Suggest Russian Cyberweapon', 10 August 2017, available at www.newscientist.com/article/2143499-ships-fooledin-gps-spoofing-attack-suggest-russian-cyberweapon/.
- The Hamlyn Symposium 2017, Surgical Robot Challenge 2017, available at http:// hamlyn.doc.ic.ac.uk/hsmr/events/surgicalrobot-challenge-2017
- J. Hansen, 'Female Sex Hormone May Save Injured Soldiers on the Battlefield', University of Alabama News Portal, 21 October 2015: www.uab.edu/medicine/news/latest/ item/874-female-sex-hormone-may-save-injured-soldiers-on-the-battlefield.
- S. Hansen, et al., 'A Critical Analysis of the Environmental Dossiers from the OECD Sponsorship Programme for the Testing of Manufactured Nanomaterials', *Environmental Science: Nano*, 4(2) (2017), 282–291.
- H. Hanson, 'China's Censorship Fingers Reach into Our Cyberspace', The Weekend Australian, 24 June 2017, available at www.theaustralian.com.au/news/ inquirer/chinas-censorship-fingers-reach-into-our-cyberspace/news-story/8469 44042e1e4227782611979a211cae.
- J. Haque and O. Bashir, 'Banned Outfits in Pakistan Operate Openly on Facebook', 13 June 2017, Dawn.
- L. Hardesty, 'Explained: Neural Networks,' MIT News, 14 April 2017, available at http:// news.mit.edu/2017/explained-neural-networks-deep-learning-0414.
- D. J. Harris, M. O'Boyle, E. P. Bates and C. M. Buckley, Law of the European Convention on Human Rights 3rd edn (Oxford: Oxford University Press, 2014).
- G. Harris, J. Hirshfeld Davis and E. London, 'U.S. Expels 15 Cuban Diplomats, in Latest Sign Détente May Be Ending', New York Times, 3 October 2017.
- R. G. Harrison 'Unpacking the Three C's: Congested, Competitive, and Contested Space' (2013) 11.3 Astropolitics. 123.
- T. Harrison, 'Chaos and Uncertainty: The FYI 2014 Defense Budget and Beyond', Centre for Strategic and Budgetary Assessments, October 2013, 11-12.

- H. A. Harrison Dinniss and J. K. Kleffner 'Soldier 2.0: Military Human Enhancement Technologies' (2016) 92 International Law Studies 432, available at http://digitalcommons.usnwc.edu/ils/vol92/iss1/14/.
- H. L. A. Hart, The Concept of Law (Oxford: Oxford University Press, 1961).
- C. Haynes, 'Report to the UN General Assembly of the Special Rapporteur on Extrajudicial, Summary or Arbitrary Executions,' A/HRC/23/47 dated 9 April 2013, available at www.ohchr.org/Documents/HRBodies/HRCouncil/RegularSes sion/Session23/A-HRC-23-47\_en.pdf.
- J. Hawkins, 'What Intelligent Machines Need to Learn from the Neocortex', IEEE Spectrum, 2 June 2017, available at https://spectrum.ieee.org/computing/software/ what-intelligentmachines-need-to-learn-from-the-neocortex.
- W. Hays Parks, 'Air War and the Law of War' (1990) 32 (1) The Air Force Law Review 1, 113-116.
- 'Conventional Weapons and Weapons Reviews', 8 Yearbook of International Humanitarian Law (2005) 55.
- 'Means and Methods of Warfare, Symposium Issued in Honour of Edward R. Cummings', 38 George Washington International Law Review (2006) 511, 536 at note 25.
- C. 'Sid' Heal, "The Quest for the "Magic Bullet" 'in M. Dando (ed.) Non-lethal Weapons: Technological and Operations Prospects (London: Jane's Information Group, 2000) 32-42, 35-36.
- Health and Safety Executive, Review of the Adequacy of Current Regulatory Regimes to Secure Effective Regulation of Nanoparticles Created by Nanotechnology: the Regulations Covered by HSE (2006) HM Government K. www.hse.gov.uk/nano technology/regulatoryreview.pdf.
- K. Hearn, 'Future Soldiers Could Get Enhanced Minds' (19 March 2001) United Press International, available at www.geocities.ws/marksrealm/project457.html.
- C. R. Hema, A. Elakkiya and M. P. Paulraj, 'Biometric Identification Using Electroencephalography', 106 International Journal of Computer Applications 15 (November 2014), 17.
- J.-M. Henckaerts and L. Doswald-Beck, 'Customary International Humanitarian Law, Vol 1: Rules' ICRC (2005) (Customary Law study), 237, Rule 70.
- Hepburn, Col. M. 'Wound Stasis System', available at www.darpa.mil/program/ wound-stasis-system.
- G. Heppner and R. Gillmann, 'Autonomy of Mobile Robots'. In W. Heintschel von Heinegg, et al., eds., Dehumanization of Warfare, 77, 80-81.
- S. Hobe, 'Legal Aspects of Space Tourism', (2007-2008) 86 Nebraska Law Review, 439.
- P. H. Hoet, I. Brüske-Hohlfeld and O. V. Salata, 'Nanoparticles-Known and Unknown Health Risks', Journal of Nanobiotechnology, 2(1) (2004).
- G. Hogben (ed.), 'ENISA Briefing: Behavioural Biometrics', 18 February 2010, available at www.enisa.europa.eu/publications/behavioural-biometrics.
- C. Hope, 'Google: We'll make new tools to tackle terrorists online', *The Daily Telegraph*, 30 March 2017, available at www.telegraph.co.uk/news/2017/03/30/goo gle-facebook-agree-setnew-industry-board-accelerate-removal/.
- House of Commons Foreign Affairs Committee, 'Global Security: Non-Proliferation', Fourth Report of Session 2008–09 (3 June 2009), available at https://publications .parliament.uk/pa/cm200809/cmselect/cmfaff/222/222.pdf.

- Z. Huang and K. Mačák, 'Towards the International Rule of Law in Cyberspace: Contrasting Chinese and Western Approaches', 16 Chinese Journal of International Law (2017) 271.
- M. Hull, 'Nanotechnology Risk Management and Small Business: a Case Study of the Nanosafe Framework', in M. Hull and D. M. Bowman (eds.), Nanotechnology Environmental Health and Safety: Risks, Regulation and Management (New York: Elsevier, 2010), 247–295.
- Human Rights Watch, 'Losing Humanity: The Case Against Killer Robots' (2012), available at www.hrw.org/sites/default/files/reports/arms1112ForUpload\_0\_0.pdf.
- Hunton and Williams, 'New Data Processing Requirements Take Effect in Russia', Hunton Privacy Blog, 29 August 2017, available at www.huntonprivacyblog.com/ 2017/08/29/new-data-processing-notice-requirements-take-effect-russia/.
- ICRC, 'Toxic Chemicals as Weapons for Law Enforcement: A Threat to Life and International Law?', September 2012, available at www.icrc.org/en/document/ toxic-chemicals-weapons-lawenforcement-threat-life-and-international-law.
- IEEE, 'Special Report: Can We Copy the Brain?', IEEE Spectrum (2017), available at https://spectrum.ieee.org/static/special-report-can-we-copy-the-brain.
- M. Ienca and R. Andorno, 'Towards New Human Rights in the Age of Neuroscience and Neurotechnology' Life Sciences, Society and Policy (2017) 13:5.
- India Today, 'SC asks govt, others to mull ways to check sex offence videos', *India Today*, 20 March 2017, available at http://indiatoday.intoday.in/story/sc-asks-govt-others-to-mullways-to-check-sex-offence-videos/1/908579.html.
- Interfax-Ukraine, Ukraine with NATO's support prepares creation of cyber security centre, KyivPost, 5 April 2017, available at www.kyivpost.com/ukraine-politics/ ukraine-natos-support-prepares-creation-cyber-security-centre.html.
- International Committee of the Red Cross, 'Biological Weapons Review Conference: ICRC Statement', ICRC, 8 November 2016, available at www.icrc.org/en/docu ment/biological-weapons-reviewconference-statement-icrc.
- International Committee of the Red Cross, 'Rule 154. Obedience to Superior Orders', Customary International Humanitarian Law Database, available at https://ihldatabases.icrc.org/customary-ihl/eng/docs/v1\_rul\_rule154.
- Investigatory Powers Act 2016, available at www.legislation.gov.uk/ukpga/2016/25/ contents/enacted.
- M. Jackson, 'UK Government Confirm Move to Force ISPs into Blocking "Adult" Sites', ISP Review, 21 November 2016, available at www.ispreview.co.uk/index .php/2016/11/uk-government-confirm-move-force-isps-blocking-adult-sites.html.
- A. Jacobsen, 'Engineering Humans for War', The Atlantic, 23 September 2015.
- A. K. Jain and A. Kumar, 'Biometric Recognition: An Overview', in E. Mordini and D. Tzovaras (eds.), Second Generation Biometrics: The Ethical, Legal and Social Context, The International Library of Ethics, Law and Technology, vol. 11. (Dordrecht: Springer, 2012), 49–78.
- Janus Program, discussed at www.iarpa.gov/index.php/research-programs/janus.

ports/pres15/2015.18.06.pdf.

- J. Jie, 'Personal Information Leakage on the Rise in China', People's Daily Online, 31 March 2017, available at http://en.people.cn/n3/2017/0331/c90000-9197748.html.
- J. Joannopoulos and F. Davis, Institute for Soldier Nanotechnologies (18 June 2015), Massachusetts Institute of Technology, available at http://web.mit.edu/annualre

467

- M. John-Hopkins, 'Regulating the Conduct of Urban Warfare: Lessons from Contemporary Asymmetric Armed Conflicts', *International Review of the Red Cross* 92:878 (June 2010), 471.
- D. Johnson, Nanoparticles Found in Brains Come from External Sources (8 September 2016) IEEE Spectrum http://spectrum.ieee.org/nanoclast/semiconductors/materials/ nanoparticles-found-in-brains-comes-from-external-sources.
- H. Johnston, et al., 'Engineered Nanomaterial Risk. Lessons Learnt from Completed Nanotoxicology Studies: Potential Solutions to Current and Future Challenges', *Critical Reviews in Toxicology*, 43(1) (2013), 1-20.
- I. Johnston, 'Tiny Implant Could Connect Humans and Machines Like Never Before', 3 August 2016, www.independent.co.uk/news/science/neural-dust-implant-sensorbrain-nerves-humans-machines-prosthetics-berkeley-a7170251.html.
- E. Juengst, 'Can Enhancement Be Distinguished from Prevention in Genetic Medicine?', The Journal of Medicine and Philosophy 22 (1997), 125-142.
- 'The Meaning of Enhancement', in E. Parens (ed.), Enhancing Human Traits: Ethical and Social Implications (Washington, DC: Georgetown University Press, 1998), 29–47.
- T. Junod, 'Elon Musk: Triumph of His Will' 15 November 2012, Esquire (online), available at www.esquire.com/news-politics/a16681/elon-musk-interview-1212/.
- F. Kalshoven, 'Belligerent Reprisals Revisited' (1990) 21 Netherlands Yearbook of International Law 43.
- Ł. Kamieński, Shooting Up: A History of Drugs and War (New York: Oxford University Press, 2016).
- T. Kanunnikova, 'Russia Offers to Draft International Convention on Combating Cybercrime', 23 March 2017, available at http://russianconstruction.com/news-1/ 26888-russia-offers-to-draft-international-convention-on-combating-cybercrime.html.
- A. O. Kaspersky 'Lab, Lazarus under the Hood', 3 April 2017, available at https:// securelist.com/blog/sas/77908/lazarus-under-the-hood/.
- R. D. Katz, 'Friendly Fire: The Mandatory Military Anthrax Vaccination Program, Duke Law Journal 50 (2001), 1835–1865.
- J. Kelly, Is Medical Ethics in Armed Conflict Identical to Medical Ethics in Times of Peace? (Newcastle: Cambridge Scholars Publishing, 2013).
- J. Kahn, 'Nano's Big Future' (2006) 209(6) National Geographic 98.
- 'Gas Warfare in International Law', Military Law Review, 1 (1960), 3-5.
- J. Keuter 'Rules of the Road in Space: Does a Code of Conduct Improve US Security?' quoted in J. Beard 'Soft Law's Failure on the Horizon: The International Code of Conduct for Outer Space Activities' (2017) 38.2 Pennsylvania Journal of International Law 335 at 376.
- U. Khandeparkar, 'Behind the Nano Hype', Wall Street Journal, (19 January 2009).
- P. Khanna and A. Khanna, The Pleasure and Danger of Augmented Reality, BIG THINK, http://bigthink.com/hybrid-reality/the-pleasure-and-danger-of-augmentedreality (accessed 13 September 2018).
- A. Kharpal, 'Apple vs FBI: All You Need to Know', 29 March 2016, available at www.cnbc.com/2016/03/29/apple-vs-fbi-all-you-need-to-know.html.
- T. Kidd and S. Ward, 'A New Century for Unmanned Maritime Systems, October-December 2012, available at www.doncio.navy.mil/chips/ArticleDetails.aspx?ID= 4195.

468

- J. Kim, Georgetown University Otolaryngology Department, cited in Zachary Cohen, 'New Audio Adds to Mystery of Attacks on US Diplomats' (14 October 2017) CNN, available at http://edition.cnn.com/2017/10/13/politics/cuba-us-diplomats-acousticweapons/index.html.
- K. Kjølberg and F. Wickson, 'Social and Ethical Interactions Wwth Nano: Mapping the Early Literature', NanoEthics, 1(2) (2007), 89-104.
- N. Klein, Maritime Security and the Law of the Sea, . (Oxford: Oxford University Press, 2011).
- A. J. Kobler, 'Will There Be a Neurolaw Revolution?,' Indiana Law Journal (2014); 89: 807–845.
- C. Koch, 'To Keep Up with AI, We'll Need High-Tech Brains,' Wall Street Journal, 27 October 2017.
- D. Koplow, 'Tangled up in Khaki and Blue: Lethal and Non-Lethal Weapons in Recent Confrontations' (2005) 36 Georgetown Journal of International Law 703-808, 708.
- D. A. Koplow, Non-Lethal Weapons: The Law and Policy of Revolutionary Technologies for the Military and Law Enforcement (New York: Cambridge University Press, 2009).
- B. Koranyi, 'G20 to Jointly Fight Bank Sector Hacking', Reuters, 17 March 2017, available at http://uk.reuters.com/article/us-g20-germany-cyber-idUKKBN16O2F0.
- M. Kosal, Nanotechnology for Chemical and Biological Defense (New York: Springer, 2009).
- J. Kosslyn and C. Yu, 'Fact Check Now Available in Google Search and News Round the World', Google Blog, 7 April 2017, available at https://blog.google/products/ search/fact-check-now-available-google-search-and-news-around-world/.
- L. Krabbenborg, 'DuPont and Environmental Defense Fund Co-Constructing a Risk Framework for Nanoscale Materials: An Occasion to Reflect on Interaction Processes in a Joint Inquiry', NanoEthics, 7(1) (2013), 45-54.
- J. Kraska, Maritime Power and the Law of the Sea (Oxford: Oxford University Press, 2011).
- V. Kumar Thakur and M. Kumari Thakur, Handbook of Sustainable Polymers: Structure and Chemistry (Abingdon: Taylor and Francis, 2016).
- K. Kwang, Changes to Singapore's Cybercrime Law Passed, Channel News Asia, 3 April 2017, available at www.kyivpost.com/ukraine-politics/ukraine-natos-sup port-prepares-creation-cyber-security-centre.html.
- A. Lalaj Burning Secrets of the Corfu Channel Incident (Woodrow Wilson International Center Cold War History Project Working paper #70, September 2014).
- P. Larsen, 'Issues Relating to Civilian and Military Dual Uses of GNSS', (2001) 17 Space Policy, 111.
- H. Lauterpacht, ed., Oppenheim's International Law Vol II (Reissue of 1952 edn, Longmans 1955), available at http://www.gutenburg.org/files/41047/41047-h/ 41047-h.htm).
- K. Lawand, 'A Guide to the Legal Review of New Weapons, Means and Methods of Warfare: Measures to Implement Article 36 of Additional Protocol I of 1977', ICRC (2006).
- R. Leheny, Statement submitted to the Subcommittee on Terrorism, Unconventional Threats and Capabilities, House Armed Services Committee, United States House

of Representatives, 20 May 2009, 24, available at www.darpa.mil/attachments/ TestimonyArchived%20(May%2020%202009).pdf.

- J. Lehrer, 'The forgetting pill: How a new drug can erase your worst memories', WIRED, 17 February 2012, www.wired.com/2012/02/ff\_forgettingpill/.
- K. Leins, 'Shining a Regulatory Spotlight on New Lasers: Regulation of the Use of Nanolaser Technologies in Armed Conflict', Jurimetrics, 56 (2016), 261-278.
- D. Letts, 'Naval Mines: Legal Considerations in Armed Conflict and Peacetime' (2016) 98/102 International Review of the Red Cross 543.
- D. Letts and R. McLaughlin, 'Call-Out Powers for the Australian Defence Force in an Age of Terrorism: Some Legal Implications' (2017) No 85 Australian Institute of Administrative Law Forum 63, 75-79.
- J. Levasseur-Moreau, et al., 'Non-Invasive Brain Stimulation Can Induce Paradoxical Facilitation. Are These Neuroenhancements Transferable and Meaningful to Security Services?', Frontiers in Neuroscience Vol. 7, 449 (August 2013), 2.
- D. Levi-Faur and H. Comaneshter, 'The Risks of Regulation and the Regulation of Risks: The Governance of Nanotechnology', in G. Hodge, D. Bowman and K. Ludlow (eds.), New Global Frontiers in Regulation: The Age of Nanotechnology (Cheltenham: Edward Elgar, 2007), 149–165, 150.
- S. Levy, 'Brain-Machine Interface Isn't Sci-Fi Anymore,' Wired, 13 September 2017, available at www.wired.com/story/brain-machine-interface-isnt-sci-fi-anymore/? mbid=BottomRelatedStories.
- S. Z. Li, et al., 'Biometrics at a Distance', in M. Tistarelli, S. Z. Li and R. Chellappa (eds.), Handbook of Remote Biometrics: for Surveillance and Security (New York: Springer, 2009).
- R. Liivoja, K. Leins and T. McCormack, 'Emerging Technologies of Warfare', in R. Liivoja and T. McCormack (eds.), Routledge Handbook of the Law of Armed Conflict (Routledge, 2016), 603, 620.
- A. C. Lin, 'Size Matters: Regulating Nanotechnology', Harvard Environmental Law Review, 31 (2007), 349.
- P. Lin, 'Ethical Blowback from Emerging Technologies', Journal of Military Ethics 9:4 (2010), 324-325.
- 'Could Human Enhancement Turn Soldiers into Weapons That Violate International Law? Yes', The Atlantic, 4 January 2013.
- P. Lin and F. Allhoff, 'Against Unrestricted Human Enhancement', 18 Journal of Evolution and Technology 1, May 2008, 35, 4.
- P. Lin, M. J. Mehlman and K. Abney, 'Enhanced Warfighters: Risk, Ethics and Policy', Report Prepared for the Greenwall Foundation, January 2013, 13.
- B. K. Logan, 'Methamphetamine Effect on Human Performance and Behaviour', Forensic Science Review 14:133 (2002), 136.
- N. Lomas, 'Facebook Expands its Hate-fighting Counterspeech Initiative in Europe', 23 June 2017, available at https://techcrunch.com/2017/06/23/facebook-expands-its-hate-fighting-counterspeech-initiative-in-europe/.
- 'UK Kicks Off Driverless Car Law Review to Get Tech on the Road by 2021', *TechCrunch*, 7 March 2018, available at https://techcrunch.com/2018/03/07/ukkicks-off-driverless-car-law-review-to-get-tech-on-the-road-by-2021/.
- LRAD Corporation, 'Extended Range Communication & Scalable Escalation of Force', available at www.lradx.com/application/defense/.

- B. Luber and S. H. Lisanby, 'Enhancement of Human Cognitive Performance Using Transcranial Magnetic Stimulation', *Neuroimage* 85: 03 (15 January 2014), 6-7.
- K. Ludlow, D. M. Bowman and G. A. Hodge, 'A Review of Possible Impacts of Nanotechnology on Australia's Regulatory Framework: Final Report', Monash University Law, available at www.researchgate.net/publication/265997359\_A\_ Review\_of\_Possible\_Impacts\_of\_Nanotechnology\_on\_Australia's\_Regulatory\_ Framework.
- K. Ludlow, D. M. Bowman and D. D. Kirk, 'Hitting the Mark or Falling Short with Nanotechnology Regulation?', *Trends in Biotechnology*, 27(11) (2009), 615-620, 615.
- K. McCann, 'Government "blocked" from Accessing Twitter Data to Help Spot Terrorist Plots', *The Telegraph*, 25 April 2017, available at www.telegraph.co.uk/ news/2017/04/25/government-blocked-accessing-twitter-data-help-spot-terrorist/.
- T. L. H. McCormack, 'A Non Liquet on Nuclear Weapons The ICJ Avoids the Application of General Principles of International Humanitarian Law' (1997), 316 IRRC 76.
- W. S. McCulloch and W. Pitts, 'A Logical Calculus of the Ideas Immanent in Nervous Activity,' Bulletin of Mathematical Biophysics (1943); 5: 115-133.
- L. McGregor, 'Are Declaratory Orders Appropriate for Continuing Human Rights Violations? The Case of Khadr v Canada' (2010) 10:3 Human Rights Law Review 487.
- R. McLaughlin, 'The Use of Lethal Force by Military Forces on Law Enforcement Operations – Is There a "Lawful Authority"?' (2009) 37:3 Federal Law Review 441.
- 'Unmanned Naval Vehicles at Sea: USVs, UUVs, and the Adequacy of the Law' (2011) 21:2 Journal of Law Information and Science 100.
- 'Dangerous Waters and International Law: The Corfu Channel Case, Warships, and Sovereignty Irritants', in K. Bannelier, T.e Christakis and S. Heathcote (eds.), The ICJ and the Evolution of International Law: The Enduring Impact of the Corfu Channel Case (Abingdon: Routledge, 2012).
- 'State Responsibility for Third Country Deployed/Embedded Military Personnel Engaged in Armed Conflict', *EJIL Talk*!, 10 September 2015, at www.ejiltalk .org/state-responsibility-for-third-country-deployed-embedded-military-personnelengaged-in-armed-conflict/.
- R. McLaughlin and D. Stephens, 'International Humanitarian Law in the Maritime Context: Conflict Characterization in Judicial and Quasi-Judicial Contexts', in D. Jinks, J. Maogoto and S. Solomon (eds.), *Applying International Humanitarian Law in Judicial and Quasi-Judicial Bodies: International and Domestic Aspects* (The Hague: TMC Asser Press, 2014).
- A. Mack, 'Why Big Nations Lose Small Wars: The Politics of Asymmetric Conflict', World Politics 27:2 (January 1975), available online at: https://web.stanford.edu/ class/polisci2112/2.2/Arreguin-Toft%20IS%202001.pdf.
- B. Maher, et al., 'Magnetite Pollution Nanoparticles in the Human Brain', Proceedings of the National Academy of Sciences of the United States of America, 113(39) (2016), 10797-10801.
- P. D. Marasco, et al., 'Illusory Movement Perception Improves Motor Control for Prosthetic Hands' (2018) 10(432) Science Translational Medicine, available at http://stm.sciencemag.org/content/10/432/eaa06990.

- T. Marauhn, 'Meaningful Human Control And the Politics of International Law' in W Heintschel von Heinegg, et al. (eds.) *Dehumanization of Warfare*, 2018, 207, 210–212.
- G. E. Marchant, B. R. Allenby and J. R. Herkert (eds.), vol. 7, The Growing Gap between Emerging Technologies and Legal-Ethical Oversight: The Pacing Problem (New York: Springer, 2011).
- D. Marcus, 'Famine Crimes in International Law', American Journal of International Law, 97(2) (2003), 245, 262–264.
- G. Markoff, 'Explanation of Position at the Conclusion of the 2016–2017 Group of Governmental Experts on Developments in the Field of Information and Telecommunications in the Context of International Security', US Department of State, 23 June 2017, available at www.state.gov/s/cyberissues/releasesandremarks/ 272175.htm.
- A. Marshall, 'War by Poison' (1934) Nature 952-953.
- 'Congress Unites (Gasp) to Spread Self-Driving Cars Across America', Wired 6 September 2017.
- H. Maslen, T. Douglas, R. Cohen Kadosh, N. Levy and J. Savulescu, 'Mind Machines. The Regulation of Cognitive Enhancement Devices: Extending the Medical Model", Oxford Martin Policy Paper, 2014.
- E. Massingham, 'Conflict Without Casualties ... A Note of Caution: Non-Lethal Weapons and International Humanitarian Law' (2012) 886 International Review of the Red Cross 673, 678.
- M. J. Matheson, "The United States Position on the Relation of Customary International Law to the 1977 Protocols Additional to the 1949 Geneva Conventions' (1987) 2 AU JILP 419.
- R. Mathews, 'Chemical and Biological Weapons', in R. Liivoja and T. McCormack (eds.), Routledge Handbook of the Law of Armed Conflict (London: Routledge, 2016), 229-230.
- J. Matsuura, Nanotechnology Regulation and Policy Worldwide (Boston and London: Artech House, 2006).
- G. Matthieu and B. Williams-Jones, 'Examining the National Regulatory Environment of Medical Devices: Major Issues in the Risk-Benefit Assessment of High-Risk Devices,' McGill Journal of Law and Health (2015-2016); 9: 17-67.
- A. D. Maynard, et al., 'Safe Handling of Nanotechnology', Nature, 444(7117) (2006), 267-269.
- 'Don't Define Nanomaterials' Nature, 475(7354) (2011), 31.
- A. Maynard, 'Frankenstein Foods, Nanotech and the Trouble with Communicating Technology', World Economic Forum, 10 October 2016, available at www .weforum.org/agenda/2016/10/the-trouble-with-technology-innovation.
- A. Mayor, Greek Fire, Poison Arrows, and Scorpion Bombs: Biological and Chemical Weapons in the Ancient World (New York: Overlook Press, 2009).
- S. Medvedev, 'Data Protection in Russian Federation: Overview', Thomson Reuters, 2017, available at https://uk.practicallaw.thomsonreuters.com/2-502-2227?transi tionType=Default&contextData=(sc.Default)&firstPage=true.
- M. J. Mehlman, P. Lin and K. Abney, 'Enhanced Warfighters: A Policy Framework", in M. L. Gross and D. Carrick (eds.), *Military Medical Ethics for the 21st century*, 121–124.

- M. W. Meier, 'Lethal Autonomous Weapon Systems (LAWS): Conducting a Comprehensive Weapons Review', 30 Temple Int'l & Comp L J 1 (2016) 119, 120.
- C. Meili and M. Widmer, 'Voluntary Measures in Nanotechnology Risk Governance: The Difficulty of Holding the Wolf by the Ears', in G. Hodge, D. M. Bowman and A. Maynard (eds.), *International Handbook on Regulating Nanotechnologies* (Cheltenham: Edward Elgar, 2010), 446–461.
- J. Menn, 'A Scramble at Cisco Exposes Uncomfortable Truths about US Cyber Defense', Reuters, 30 March 2017, available at http://uk.reuters.com/article/ususa-cyber-defense-idUKKBN17013U.
- L. D. Mermelstein, 'Ethics Update: Lawyers Must Keep Up with Technology,' American Bar Association (2013), available at www.americanbar.org/publications/blt/ 2013/03/keeping\_current.html.
- T. Meron, 'The Martens Clause, Principles of Humanity and Dictates of Public Conscience', The American Journal of International Law, 94(1) (2000), 78.
- J. M. Meyer, 'Tearing Down the Façade: A Critical Look at the Current Law on Targeting the Will of the Enemy and Air Force Doctrine' (2001) 51 Air Force Law Review 143.
- P. Meyer, 'Dark Forces Awaken: The Prospects for Cooperative Space Security', (2016) The Nonproliferation Review, 23 3-4, 495, 496.
- MForce website, available at www.hrsid.com/product-mforce.
- Microsoft Corporation, Policy Papers, available at https://mscorpmedia.azureedge.net/ mscorpmedia/2017/04/Policy-Paper-Attribution-Organization.pdf.
- J. W. Miller, 'US Steel Accuses China of Hacking', Wall Street Journal, 28 April 2016.
- W. Miller, 'The British Experience in Northern Ireland: A Model for Modern Peacemaking Operations', US Army Command and General Staff College, Fort Leavenworth, 1993, 40, at www.dtic.mil/dtic/tr/fulltext/u2/a264419.pdf.
- S. Mohanty and R. Bhatia, 'India Court's Privacy Ruling Is Blow to Government', Reuters, 24 August 2017, available at www.reuters.com/article/us-india-court-privacy/ indian-courts-privacy-ruling-is-blow-to-government-idUSKCN1B40CE?utm\_campaign =trueAnthem:+Trending+Content&utm\_content=599e6b6204d3015a2054937c&utm \_medium=trueAnthem&utm\_source=twitter.
- R. Mola 'How Things Work: Space Fence: The New Early-Warning System to Protect Spacecraft from Orbiting Junk', Air & Space Magazine, February 2016, www .airspacemag.com/space/how-things-work-space-fence-180957776/.
- J. Monica, G. Van Calster and P. Agapi (2014), 'A Nanotechnology Legal Framework', in M. Hull and D. M. Bowman (eds.), *Nanotechnology Environmental Health and Safety: Risks, Regulation and Management*, 2nd edn, (New York: Elsevier), pp.265–312.
- P. Moriuchi and W. Ladd, 'China Altered Public Vulnerability Data to Conceal MSS Influence, Recorded Future', 9 March 2018, available at www.recordedfuture .com/chinese-vulnerability-data-altered/.
- E. Morozov 'The Perils of Perfection' New York Times, 3 March 2013.
- L. B. Moses, 'Report of the Symposium on Ethical, Legal and Social Implications of Emerging Military Technologies, 29–30 May 2017', Melbourne Law School, August 2017.
- NASA, 'Artificial Intelligence, NASA Data Used to Discover Eighth Planet Circling Distant Star', 14 December 2017, available at www.nasa.gov/press-release/artificialintelligence-nasa-dataused-to-discover-eighth-planet-circling-distant-star.

- H. Nasu, 'Nanotechnology and Challenges to International Humanitarian Law: A Preliminary Legal Assessment', International Review of the Red Cross, 94 (2012), 653-672.
- H. Nasu and T. Faunce, 'Nanotechnology and the International Law of Weaponry:
- Towards International Regulation of Nano-Weapons' (2009) 20 Journal of Law, Information and Science 21, 34-43.
- 'Nanotechnology and the International Law of Weaponry: Towards International Regulation of Nano-Weapons', Journal of Law, Information and Science, 22 (2009), 21-54, available at https://law.anu.edu.au/sites/all/files/users/u9705219/ nanoweapons\_int\_law\_0.pdf.
- H. Nasu and R. McLaughlin (eds.), New Technologies and the Law of Armed Conflict (The Hague: Asser Press, 2014) 145.
- National Academies of Sciences, Engineering, and Medicine, Thriving on Our Changing Planet: A Decadal Strategy for Earth Observation from Space (2018), available at www.nap.edu/catalog/24938/thriving-on-our-changing-planet-a-decadalstrategy-for-earth.
- National Research Council, Opportunities in Neuroscience for Future Military Applications (Washington: National Academies Press, 2009).
- NATO, 'Policy on non-lethal weapons', NATO, (13 October 1999, updated 6 November 2008) para 3, available at www.nato.int/cps/ic/natohq/official\_texts\_27417.htm? selectedLocale=en.
- S. Nelliss and C. Cadell, 'Apple Moves To Store Icloud Keys In China, Raising Human Rights Fears', Reuters 24 February 2018, available at www.reuters.com/ article/us-china-apple-icloud-insight/apple-moves-to-store-icloud-keys-in-china-rais ing-human-rights-fears-idUSKCN1G8060.
- New York Times, 'Prosthetic Limbs, Controlled by Thought', New York Times, 20 May 2015, available at www.nytimes.com/2015/05/21/technology/a-bionic-approach-to-prosthetics-controlled-by-thought.html (accessed 9 March 2018).
- D. Ngo, 'Pinterest is Now Blocked by China's Great Firewall', C/Net, 16 March 2017, available at www.cnet.com/uk/news/pinterest-blocked-in-china-great-firewall/.
- Z. Niemtus, "The Disrupters Humans 2.0: Meet the Entrepreneur Who Wants to Put a Chip in Your Brain,' The Guardian, 14 December 2017.
- Nobel Peace Prize in Chemistry 2016, Nobelprize.org, available at www.nobelprize .org/nobel\_prizes/chemistry/laureates/2016.
- A. Norris, Legal Issues Relating to Unmanned Maritime Systems, available at www. iqpc.com/media/1002182/50661.pdf.
- V. Novakovic, et al., 'Brain Stimulation in Posttraumatic Stress Disorder', European Journal of Psychotraumatology 2 (2011).
- D. Oberhaus, 'The First Spy Satellites Had to Drop Gigantic Buckets of Film Back to Earth', 22 April 2017, *Motherboard* (online), https://motherboard.vice.com/en\_ us/article/jpzpkg/the-first-spy-satellites-had-to-drop-gigantic-buckets-of-film-back-toearth.
- R. L. O'Connell, Of Arms and Men (Oxford: Oxford University Press, 1989).
- S. O'Neill, 'British Spy in IRA Arrested on Murder and Torture Charges', The Times, 31 January 2018, 5.
- L. Oppenheim, International Law, Vol. II, 7th edn et seq. (7th ed. by Hersch Lauterpacht, London 1952).

- R. O'Rourke, 'Navy Frigate (FFX[X]) Program: Background and Issue for Congress', 8 December 2017, available at https://fas.org/sgp/crs/weapons/R44972.pdf; www .naval-technology.com/projects/standard-missile-6/.
- OECD, OECD Chemical Studies Show Way Forward for Nanomaterial Safety (9 June 2015), available at www.oecd.org/chemicalsafety/nanosafety/news-nanomaterial-safety.htm.
- Office of Director of National Intelligence, 'IARPA launches "Odin" Program to harden biometric technology against attacks', News Release 22-17 dated 19 October 2017, available at www.dni.gov/index.php/newsroom/press-releases/ item/1808-iarpa-launches-odin-program-to-harden-biometric-technology-againstattacks.
- Office of the United Nations High Commissioner for Human Rights, 'Egypt extends its assault on freedom of expression by blocking dozens of websites UN experts warn', 30 August 2017, available at www.ohchr.org/EN/NewsEvents/Pages/DisplayNews .aspx?NewsID=22008&LangID=E.
- Office of the Under Secretary of Defense for Acquisition, Technology, and Logistics, Study on Next-Generation Unmanned Undersea Systems (Washington, DC, October 2016), available at www.acq.osd.mil/dsb/reports/2010s/Next-Generation\_ Unmanned\_Undersea\_Systems.pdf.
- H. Osborne and J. Elgot, 'MPs Summon Mark Zuckerberg and Accuse Facebook of Misleading Them', *The Guardian*, 20 March 2018.
- J. Ostrower, 'Airbus "Flying Car" Takes to The Skies for the First Time', CNN Tech, 1 February 2018, available at http://money.cnn.com/2018/02/01/technology/airbusvahana-firstflights/index.html.
- B. Oswald, H. Durham and A. Bates (eds.), Documents on the Law of UN Peace Operations, (Oxford: Oxford University Press, 2010).
- K. Owens, 'Wireless Underwater Charging Tech Will Bring a New Level of Autonomy for UUVs', September 1, 2017, available at https://defensesystems.com/articles/2017/ 09/01/navy-drone-uuv.aspx.
- T. Paine 'Bombs in Orbit? Verification and Violation under the Outer Space Treaty', *The Space Review*, 19 March 2018.
- R. Panditl, 'New Joint Doctrine Stresses Space, Cyber, Special Ops in War-Fighting', *Times of India*, 25 April 2017.
- R. (Pete) Pedrozo, 'Military Activities in the Exclusive Economic Zone: East Asia Focus', 90 International Law Studies (2014), 514-543, 525 et seq.
- J. Pelegrín-Borondo, E. Reinares-Lara and C. Olarte-Pascual, 'Assessing the Acceptance of Technological Implants (the Cyborg): Evidences and Challenges', (2017) 70 Computers in Human Behaviour, 104–112, 105.
- N. Perlroth, and C. Krauss, 'A Cyber Attack in Saudi Arabia Had a Deadly Goal: Experts Fear Another Try', *New York Times*, 15 March 2018, available at www .nytimes.com/2018/03/15/technology/saudi-arabia-hacks-cyberattacks.html.
- J. B. Perkins, 'Operation Praying Mantis: The Surface View' (1989) 115:5 US Naval Institute Proceedings 1035, at www.usni.org/magazines/proceedings/1989-05/oper ation-praying-mantis-surface-view.
- The PEW Charitable Trusts, 'Project on Emerging Nanotechnologies', available at www.pewtrusts.org/en/archived-projects/project-on-emerging-nanotechno logies.

- M. Pham, 'Vietnam Urges Firms to Stop Youtube and Facebook Ads in Protest over Fake Content', Reuters, 16 March 2017, available at www.reuters.com/article/usvietnam-google-idUSKBN16N110.
- E. Phoenix, 'NI State Papers: Concern over Use of Plastic Bullets', BBC, 28 December 2013, at www.bbc.com/news/uk-northern-ireland-25425779.
- M. Piesing, 'Medical Robotics: Would you Trust a Robot with a Scalpel?', The Guardian, 10 October 2014.
- E Pilkington, 'Judge Approves Use of "Truth Serum" on Accused Aurora Shooter James Holmes', The Guardian (12 March 2013).
- W. Pincus, 'Senate Boosts Funding for Laser Weapons', Washington Post, 22 September 2008.
- R. K. Pitman, K. M. Sanders, R. M. Zusman, et al., 'Pilot Study of Secondary Prevention of Posttraumatic Stress Disorder with Propranolol', *Biological Psychiatry* 51:2 (2002), 189–192.
- C. A. Poland, et al., 'Carbon Nanotubes Introduced into the Abdominal Cavity of Mice Show Asbestos-Like Pathogenicity in a Pilot Study', *Nature Nanotechnol*ogy, 3(7) (2008), 423-428.
- S. Polavaram and G. Ascoli, 'Neuroinformatics,' Scholarpedia, 2015, doi: 10(11):1312, available at www.scholarpedia.org/article/Neuroinformatics.
- A. Pop, 'Autonomous Weapon Systems: A Threat to Human Dignity', ICRC Humanitarian Law and Policy Blog, 10 April 2018.
- B. Popken, 'Twitter Deleted 200,000 Russian Troll Tweets', NBC News, 14 February 2018, available at www.nbcnews.com/tech/social-media/now-available-more-200-000-deleted-russian-troll-tweets-n844731.
- L. Potts, "The Police "Super-Recognisers" Putting Names to Faces', BBC News, 19 October 2015, available at www.bbc.co.uk/news/uk-england-34544199.
- J. M. Prescott, 'Building the Ethical Cyber Commander and the Law of Armed Conflict,' Rutgers Computer and Technology Law Journal (2014); 40: 42-77.
- A. Priddy, 'The Use of Weapons in Counterpiracy Operations', in Casey-Maslen (ed.), Weapons under International Human Rights Law, 2014, 122 – 160, 154.
- Privacy, Data Protection and Cyber Security Law Review, Edition 3, Russia dated November 2016, available at http://thelawreviews.co.uk/edition/the-privacy-dataprotection-and-cybersecurity-law-review-edition-3/1140166/russia.
- Program on Humanitarian Policy and Conflict Research at Harvard University, HPCR Manual on International Law Applicable to Air and Missile Warfare (Cambridge: Cambridge University Press, 2013).
- A. E. Pusateri, 'US Department of Defence Haemorrhage and Resuscitation Research and Development Program', presented at the Remote Damage Control Resuscitation Conference, Bergen, Norway, 19 June 2002, available at: http://rdcr.org/wpcontent/uploads/symp2012pdf/US%20Department%200f%20Defense%20Hemorrh age%20and%20Resuscitation%20Research%20and%20Development%20Program %20-%20Anthony%20Pusateri.pdf.
- I. Puscas, 'La Quête du Soldat Augmenté', Le Monde Diplomatique, September 2017, 3.
- A. G. Quinn 'The New Age of Space Law: The Outer Space Treaty and the Weaponization of Space', (2008) 17 Minnesota Journal of International Law 475, 479-480.
- H. Quzhi, "The Outer Space Treaty in Perspective' (1997) 40 Proceedings on the Law of Outer Space 51, 53.

- S. Radchenko, The Soviet Union and the North Korean Seizure of the USS Pueblo: Evidence from Russian Archives, Woodrow Wilson International Center Cold War History Project Working paper #47, 7 July 2011.
- Radio Free Europe/Radio Liberty, 'Telegram App Under the Gun in Russia After Court Ruling', 20 March 2018, available at www.rferl.org/a/russia-telegram-messa ging-app-under-pressure-fsb-supreme-court/29111309.html.
- A. Ram, 'DeepMind Develops AI to Diagnose Eye Diseases,' Financial Times, 4 February 2018.
- R. Ramey, 'Armed Conflict on the Final Frontier: The Law of War in Space', (2000) 48 Air Force Review, 1, 13.
- K. Rasmussen, et al., 'Review of Achievements of the OECD Working Party on Manufactured Nanomaterials' Testing and Assessment Programme: From Exploratory Testing to Test Guidelines', *Regulatory Toxicology and Pharmacology*, 74 (2016), 147–160.
- K. Ravilious, "The Secrets of Sonic Weapons' (8 November 2005) The Guardian www .theguardian.com/science/2005/nov/08/g2.weaponstechnology.
- G. Rayner, 'WhatsApp Accused of Giving Terrorists a Secret Place to Hide as It Refuses to Hand Over Private Messages', Daily Telegraph, 27 March 2017.
- Regulation (EU) 2016/679 of 27 April 2016, available at http://eur-lex.europa.eu/ legal-content/EN/TXT/PDF/?uri=CELEX:32016Ro679&from=EN, (2016 LAWS Report), para13.
- Report of the 2016 Informal Meeting of Experts on Lethal Autonomous Weapon Systems, submitted by the Chairperson, available at www.unog.ch/ 80256EDD006B8954/(httpAssets)/DDC13B243BA863E6C1257FDB00380A88/\$file/ ReportLAWS\_2016\_AdvancedVersion.pdf.
- S. Reschke, J. B. F. van Erp, A. M. Brouwer and M. Grootjen, 'Neural and Biological Soldier Enhancement: From SciFi to Deployment', Paper Presented at the NATO RTO Human Factors and Medicine Panel, Sofia, 5–7 October 2009, http://publica.fraunhofer.de/documents/N-194631.html.
- Reuters, 'Germany Adopts Self-Driving Vehicles Law', Reuters, 12 May 2017, available at www.reuters.com/article/us-germany-autos-self-driving/germany-adopts-self-drivingvehicles-lawidUSKBN1881HY
- G. Reynolds, 'Environmental Regulation of Nanotechnology: Some Preliminary Observations', Environmental Law Reporter, 31(6) (2001), 10681.
- 'Nanotechnology and Regulatory Policy: Three Phases', Harvard Journal of Law and Technology, 17(1) (2003), 179, 185 citing E. Drexler, Engines of Creation (Oxford: Oxford University Press, 1990), 56-63.
- J. Rice, 'Seaweb Acoustic Communication and Navigation Network', available at https://calhoun.nps.edu/bitstream/handle/10945/40396/rice\_seaweb.pdf?sequence= 1&isAllowed=y.
- J. Richardson, 'Inside the Race to Hack the Human Brain,' Wired, 16 November 2017, available at www.wired.com/story/inside-the-race-to-build-a-brain-machine-inter face/?mbid=BottomRelatedStories.
- J. R. Riches, et al., 'Analysis of Clothing and Urine from Moscow Theatre Siege Casualties Reveals Carfentanil and Remifentanil Use' (2012) 36(9) Journal of Analytical Toxicology 647-656.
- B. Riley-Smith, et al., 'Airports and Nuclear Power Stations on Terror Alert As Government Officials Warn of Credible Cyber Threat', Daily Telegraph, 2 April

2017, available at www.telegraph.co.uk/news/2017/04/01/airports-nuclear-power-sta tions-terror-alert-government-officials/.

- A. Ritchie and J. Gibbons, 'Letter to Editor: Plastic Bullets in Northern Ireland' (1990) 301(6764) British Medical Journal 1332.
- K. Roach, 'The Supreme Court at the Bar of Politics: The Afghan Detainee and Omar Khadr Cases' (2010) 28 National Journal of Constitutional Law 115.
- J. A. Roach and R. W. Smith, *Excessive Maritime Claims*, 3rd edn (Leiden/Boston: Martinus Nijhoff, 2012).
- A. Roberts, Is International Law International? (Oxford: Oxford University Press, 2017).
- M. C. Roco, 'International Perspective on Government Nanotechnology Funding in 2005', Journal of Nanoparticle Research, 7(6) (2005), 707-712.
- A. P. V. Rogers, Law on the Battlefield, 3rd edn (Manchester: Manchester University Press, 2012).
- C. A. Rogers, 'A Slow March towards Thought Crime: How the Department of Homeland Security's Fast Program Violates the Fourth Amendment', 64 American University Law Review 2 (2014), 337, 384.
- L. Rohter, 'The Noriega Case: Panama City; Papal Envoy Asserts Psychology, Not Ultimatum, Swayed Noriega', New York Times, 6 January 1990.
- E. Rosenfeld, 'US-China Agree Not to Conduct Cybertheft of Intellectual Property', CNBC, 25 September 2015, available at www.cnbc.com/2015/09/25/us-china-

agree-to-not-conductcybertheft-of-intellectual-property-white-house.html.

- S. Rossi, et al., 'Safety, Ethical Considerations, and Application Guidelines for the Use of Transcranial Magnetic Stimulation in Clinical Practice and Research', *Clinical Neurophysiology* 120 (2009), 2018–2024.
- P. J. Rowe, Defence, the Legal Implications (London: Brassey's 1987).
- W. Rowell, 'Haemorrhage Control: Lessons from the Military', Emergency Nurse Vol. 21, No 7 (November 2013): 22.
- The Royal Society, 'Brain Wave Module 3: Neuroscience, Conflict and Security', February 2012, available at https://royalsociety.org/~/media/Royal\_Society.../ brain-waves/2012-02-06-BW3.pdf.
- The Royal Society, 'Neuroscience, Conflict and Security', February 2012, https:// royalsociety.org/~/media/Royal\_Society\_Content/policy/projects/brain-waves/2012-02-06-BW3.pdf.
- Royal Society and Royal Academy of Engineering, Nanoscience and Nanotechnologies: Opportunities and Uncertainties (Royal Society, 2004).
- L. Ruan, 'Internet Censorship: How China Does It', The Strategist, 9 October 2017, available at www.aspistrategist.org.au/internet-censorship-how-china-does-it/.
- M. Ryan and D. Lamothe, 'Pentagon: Chinese Naval Ship Seized an Unmanned US Underwater Vehicle in South China Sea', Washington Post, 17 December 2016, available at www.washingtonpost.com/news/checkpoint/wp/2016/12/16/defense-officialchinese-naval-ship-seized-an-unmanned-u-s-ocean-glider/?utm\_term=.2dfa5ad523d.
- Saab Corporation, 'Naval Laser Warning Systems', available at https://saab.com/naval/ electronic-warfare/naval-laser-warning-systems/nlws/.
- S. Saeed, 'German Cyber Security Chief: Army attacked over 284,000 times this year', Politico, 3 April 2017, available at www.politico.eu/article/german-cybersecuritychief-army-attacked-over-284000-times-this-year/.
- I. Sample, 'Wired Awake', The Guardian, 29 July 2014.

- I. Sample and R. Evans, 'MoD Bought Thousands of Stay Awake Pills in Advance of War in Iraq', *The Guardian*, 29 July 2004.
- Y. Sandoz, et al. (eds.), Commentary on the Additional Protocols of 8 June 1977 to the Geneva Conventions of 12 August 1949 (Geneva: ICRC, 1987).
- D. E. Sanger and N. Perlroth, '6 Chinese Men Indicted in Theft of Code from US Tech Companies', New York Times, 19 May 2015.
- M. Sassoli, 'Legitimate Targets of Attacks under International Humanitarian Law', HCPR Policy Brief (January 2003).
- M. Schaefer 'The Contours of Permissionless Innovation in the Outer Space Domain' (March 28, 2017). University of Pennsylvania Journal of International Law, Vol. 39, No. 1, 2017, available at https://ssrn.com/abstract=2942526.
- P. Scharre, 'Human Judgment and Lethal Decision-Making in War', ICRC Humanitarian Law and Policy Blog, 11 April 2018.
- P. Schindler, 'Expanded safeguards for advertisers', 21 March 2017, available at https:// blog.google/topics/ads/expanded-safeguards-for-advertisers/.
- M. N. Schmitt, 'War, Technology and International Humanitarian Law', Harvard University HPCR Occasional Paper Series, (Summer 2005), 48.
- 'International Law and Military Operations in Space', in A. von Bogdandy and R. Wolfrum (eds.), *Max Planck Yearbook of United Nations Law*, 2006, volume 10, 200. 'Military Necessity and Humanity in International Humanitarian Law: Preserving
- the Delicate Balance', Virginia Journal of International Law 50:4 (2010), 795-839. 'Tallinn Manual 2.0 on the International Law of Cyber Operations: What It Is and Isn't', Just Security, 9 February 2017, available at www.justsecurity.org/37559/ tallinn-manual-2-0-international-law-cyber-operations/.
- M. N. Schmitt and J. Biller, 'The NotPetya Cyber Operation as a Case Study in International Law', *EjilTalk*, 11 July 2017.
- M. N. Schmitt and David S. Goddard, 'International Law and the Military Use of Unmanned Maritime Systems', 98 International Review of the Red Cross 1-26 (August 2016).
- M. Schmitt and J. Thurner, 'Out of the Loop Autonomous Weapon Systems and the Law of Armed Conflict', Harvard National Security Journal, 4 (2013), 231, 275.
- M. Schmitt and L. Vihul, 'International Cyber Law Politicized: The UN GGE's Failure to Advance Cyber Norms', Just Security, 30 June 2017.
- M. Schmitt, et al. (eds.), Tallinn Manual 2.0 on the International Law Applicable to Cyber Operations (Cambridge: Cambridge University Press, 2017).
- K.-U. Schrogl and J. Neumann, '[Outer Space Treaty] Article IV', in S. Hobe, B. Schmidt-Tedd and K.-U. Schrogl (eds.), Cologne Commentary on Space Law Volume 1; Outer Space Treaty, Cologne: Carl Heymanns, 2009.
- K. Schwab, "The Fourth Industrial Revolution: What It Means, How to Respond', World Economic Forum, Geneva, 14 January 2016, available at www.weforum.org/agenda/ 2016/01/the-fourth-industrial-revolution-what-it-means-and-how-to-respond/.
- M. Sechrist, Cyberspace in Deep Water: Protecting Undersea Communication Cables By Creating an International Public-Private Partnership (Harvard Kennedy School, 23 March 2010), available at http://belfercenter.hks.harvard.edu/files/ PAE\_final\_draft\_-\_043010.pdf.
- K. Sennaar, 'Facial Recognition Applications: Security, Retail and Beyond', Techemergence, 16 November 2017.

- N. Shachtman, 'Squirrel=Super Soldier', WIRED 3 December 2007, available at www .wired.com/2007/03/soldiers-if-you/.
- A. Shahani, Microsoft President Urges Nuclear-Like Limits on Cyberweapons (16 May 2017) National Public Radio www.npr.org/sections/alltechconsidered/2017/05/16/ 528555400/microsofts-president-reflects-on-cyberattack-helping-pirates-and-the-nsa.
- T. Shanker and M. Richtel, 'In New Military, Data Overload Can Be Deadly' New York Times, 16 January 2011.
- T. Shaohui (ed.), 'International Strategy of Cooperation on Cyberspace', 1 March 2017, available at http://news.xinhuanet.com/english/china/2017-03/01/c\_136094371.htm.
- F. X. Shen, 'Law and Neuroscience 2.0', Arizona State Law Journal (2016).
  'The Overlooked History of Neurolaw,' Fordham Law Review (2016); 85: 667–695.
  'Neurolegislation: How U.S. Legislators Are Using Brain Science', Harvard Journal of Law & Technology (2016).
- B. Shepard, 'UAB to Start First Human Trials of Drug to Prevent Death Due to Severe Blood Loss', 21 October 2015, available at https://uab.edu/news/innovation/ item/6624-uab-to-start-first-human-trials-of-drug-to-prevent-death-due-to-severe-bloodloss.
- R. Sherstobitoff, 'Hidden Cobra Targets Turkish Financial Sector with New Bankshot Implant', 8 March 2018, available at https://securingtomorrow.mcafee.com/mca fee-labs/hidden-cobra-targets-turkish-financial-sector-new-bankshot-implant/.
- P. Sherwell, 'Blind Man Describes Joy at Seeing Wife for First Time in Decade Thanks to 'Bionic Eye', *The Telegraph*, 24 February 2015.
- J. Z. Siegel and M. Crockett, 'How Serotonin Shapes Moral Judgment and Behavior', Annals of the New York Academy of Sciences, Issue: Sociability, Responsibility and Criminality: From Lab to Law (2013), 44.
- M. Simon, 'A Robot Ear Surgeon Drills into the Future of Medicine', Wired, 15 March 2017 available at www.wired.com/2017/03/robotear-surgeon-drills-future-medicine/.
- Sky, 'Websites we've blocked under order of the High Court', available at www.sky .com/help/articles/websites-blocked-under-order-of-the-high-court.
- P. Smaglik, 'Building for the Future', Nature, 408(6812) (2000), 622; IBM Research Nanotechnology (2002) IBM www.research.ibm.com/pics/nanotech/defined.shtml.
- B. Smith, 'The Need for a Digital Geneva Convention', Microsoft Blog dated 14 February 2017, available at https://blogs.microsoft.com/on-the-issues/2017/02/14/needdigital-geneva-convention/#sm.00001e7re9mi1sd8owxcuwmn80906.
- R. Smith, The Utility of Force (London: Allen Lane, 2005).
- C. Som, et al., 'The Importance of Life Cycle Concepts for the Development of Safe Nanoproducts', Toxicology, 269 (2010), 160-169.
- J. M. Spaight, Aircraft in War (London: Macmillan, 1914).
- R. Sparrow, 'The Social Impacts of Nanotechnology: An Ethical and Policy Analysis', in A. Maynard and J. Stilgoe (eds.), The Ethics of Nanotechnology, Geoengineering and Clean Energy (Routledge, 2017), 179.
- 'Ethics as a Source of Law: The Martens Clause and Autonomous Weapons' on International Committee of the Red Cross Blog (14 November 2017).
- S. Stadlmeier, 'CPU and Keyboard: Weapons of Mass Disruption?' in W. Heintschel von Heinegg, R. Frau and T. Singer (eds.), *Dehumanization of Warfare* (Springer, Cham, Switzerland, 2018).

- E. Stanley, 'Neuroplasticity, Mind Fitness, and Military Effectiveness', in R. Armstrong, *Bio-Inspired Innovation*, 259–269.
- H. Stark, 'A Bipartisan Bill to Strengthen Cyber Security for the Internet of Things', 20 August 2017, available at www.forbes.com/sites/haroldstark/2017/08/20/a-bipar tisan-bill-to-strengthen-cybersecurity-for-the-internet-of-things/#3f51e1a05a5f.
- State Coroner of NSW, Inquest into the Deaths Arising from the Lindt Café Siege: Findings and Recommendations, May 2017, ch14, especially paras 5-47, at www lindtinquest.justice.nsw.gov.au/Documents/findings-and-recommendations.pdf.
- C. Steer, Translating Guilt: Identifying Leadership Liability for Mass Atrocity Crimes
- (The Hague: Asser Press, 2017).
- D. Stephens and M. Fitzpatrick, 'Legal Aspects of Contemporary Naval Mine Warfare' (1999) 21:4 Loyola of Los Angeles International and Comparative Law Journal 553.
- P. N. Stockton and N. Golabek-Goldman, 'Curbing the Market for Cyber Weapons', 32 Yale Law and Policy Review 239, (2013) 248.
- E. Stokes, 'Nanotechnology and the Products of Inherited Regulation', Journal of Law and Society, 39(1) (2012), 93-112.
- E. Stokes and D. M. Bowman, 'Regulatory Inheritance and Emerging: Technologies: the Case of Nanotechnologies and Synthetic Biology', European Journal of Risk Regulation, 2 (2012), 235–241.
- D. Stout, 'US Pilots Avoid Prosecution for Bombing Canadian Troops', New York Times, 19 June 2003.
- C. Stupp, 'France Eyes EU Law to Crack Down on Terrorists' Use of Social Media,' *Euractiv*, 16 February 2018.
- Subsea World News, 'Persistent Littoral Undersea Surveillance (PLUS) System Completes Initial in-Water Testing', *Subsea World News*, 28 October 2013, available at https://subseaworldnews.com/2013/10/28/persistent-littoral-undersea-surveil lance-plus-system-completes-initial-in-water-testing/.
- A. M. Sukumar, 'The UN GGE Failed: Is International Law in Cyberspace Doomed as Well?,' *Lawfare*, 4 July 2017, available at https://lawfareblog.com/un-gge-failedinternational-law-cyberspace-doomed-well.
- H. Surden, 'Machine Learning and the Law,' Washington Law Review (2014); 89: 87-115.
- R. Susskind, The Future of Law: Facing the Challenges of Information Technology (Oxford: Clarendon Press 1996).
- R. L. Swanson II, et al., 'Neurological Manifestations Among US Government Personnel Reporting Directional Audible and Sensory Phenomena in Havana, Cuba', *Journal* of the American Medical Association Preliminary Communication, 15 February 2018.
- E. Sweeney, "Troubles" Legacy: Derry Used as Testing Ground for Plastic Bullets',
- Derry Journal, 26 April 2016, at www.derryjournal.com/news/troubles-legacy-derryused-as-testing-ground-for-plastic-bullets-1-7348893.
- M. Tafirenyika, 'Drones are Effective in Protecting Civilians Herve Ladsous', Africa Renewal, April 2016, at www.un.org/africarenewal/magazine/april-2016/drones-areeffective-protecting-civilians.
- D. Talpalariu, 'Airport Speech and Brain Scans Identify the Terrorist in You', Softpedia, 3 December 2008.
- T. Tether, Subcommittee on Terrorism, Unconventional Threats and Capabilities, House Armed Services Committee, United States House of Representatives,

27 March 2003, available at www.darpa.mil/attachments/TestimonyArchived (March%2027%202003).pdf.

- The Economist, 'Know Your Enemy: How to Make Soldiers' Brains Better at Noticing Threats', 27 July 2017, available at www.economist.com/news/scienceand-technology/21725543-target-recognition-warfare-how-make-soldiers-brains-betternoticing. (accessed 13 February 2018).
- The Local, 'German government wants "backdoor" access to every digital device': Report, 1 December 2017, available at www.thelocal.de/20171201/german-govern ment-wants-backdoor-access-to-every-digital-device-report.
- The Scientific Committee on Emerging and Newly Identified Health Risks, Nanomaterials (2006), available at http://ec.europa.eu/health/scientific\_committees/opinions\_ layman/en/nanotechnologies/l-3/5-nanoparticles-consumer-products.htm#opo.
- S. Thielman, 'Yahoo Hack: 1bn Accounts Compromised by Biggest Data Breach in History'; the Guardian 15 December 2016, available at www.theguardian.com/ technology/2016/dec/14/yahoo-hack-security-of-one-billion-accounts-breached.
- D. Thomas, 'Facebook to Tackle Fake News with Education Campaign', BBC News, 6 April 2017, available at www.bbc.com/news/technology-39517033.
- M. L. Thomas and M. B. Russo, 'Neurocognitive Monitors: Toward the Prevention of Cognitive Performance Decrements and Catastrophic Failures in the Operational Environment', Aviation Space and Environmental Medicine 78:5 (May 2007), 144-145.
- J. Thumher at J. S. Thumher, 'Feasible Precautions in Attack and Autonomous Weapons', in W. Heintschel von Heinegg, et al., (eds.), *Dehumanization of Warfare*, 99, 108–114.
- E. Tikk and M. Kerttunen, 'The Alleged Demise of the UN GGE: An Autopsy and Eulogy', Cyber Policy Institute, 2017, available at http://cpi.ee/wp-content/uploads/2017/12/2017-Tikk-Kerttunen-Demise-of-the-UN-GGE-2017-12-17-ET.pdf.
- 'Cyber Treaty Is Coming: Что делать?', Cyber Policy Institute (2018), 5, available at http://cpi.ee/wp-content/uploads/2018/02/Cyber-Treaty-is-Coming-Tikk-Kerttunen .pdf.
- A. Tovey, 'Rise of The Machines: How Robot Brickies Could Be on Site Soon', Daily Telegraph, 27 June 2017.
- M. Townsend and T. Helm, 'Threat of Russian Cyber Reprisal Puts UK Finance, Power and Water on High Alert', *The Guardian*, 18 March 2018, available at www .theguardian.com/world/2018/mar/17/uk-finance-power-water-on-high-alert-threatrussian-cyber-reprisal-grows.
- A. Travis and C. Arthur, 'EU Court Backs Right To Be Forgotten: Google Must Amend Results on Request', the *Guardian*, 13 May 2014.
- F. Tronchetti, 'Legal Aspects of the Military Uses of Outer Space', in F. von der Dunk and F. Tronchetti (eds.), *Handbook of Space Law*, (Cheltenham: Edward Elgar, 2015.
- M. Troy, 'USS John McCain Destroyer: Who's At Fault When Ships Collide?', ABC News, 21 August 2017, available at www.abc.net.au/news/2017-08-21/uss-john-mccain-destroyer:-whos-at-fault-when-ships-collide/8827516.
- J. B. Tucker (ed.), Innovation, Dual Use, and Security: Managing the Risks of Emerging Biological and Chemical Technologies (Cambridge, MA: Massachusetts Institute of Technology Press, 2012).
- R. W. Tucker, The Law of War and Neutrality at Sea, p. (Washington, DC, 1955).

- A. Turing, 'Intelligent Machinery: A Report,' National Physical Laboratory (1948), available at www.alanturing.net/intelligent\_machinery/.
- UK Department for Digital, Culture, Media and Sport, Secure by Design: Improving the cyber security of consumer Internet of Things Report, available at www.gov .uk/government/uploads/system/uploads/attachment\_data/file/686089/Secure\_by\_ Design\_Report\_.pdf.
- UK Government Press Release 'Rocketing to success Space Industry Act to unlock billions for the UK economy', 16 March 2018, available at www.gov.uk/government/news/ rocketing-to-success-space-industry-act-to-unlock-billions-for-the-uk-economy.
- UNIDIR, 'Framing Discussions on the Weaponisation of Increasingly Autonomous Technologies', (2014), available at www.unidir.org/files/publications/pdfs/ framing-discussionson-the-weaponization-of-increasingly-autonomous-technolo gies-en-606.pdf.
- United States Navy MK 15 Phalanx Close-In Weapons System, described at www .navy.mil/navydata/fact\_display.asp?cid=2100&tid=487&ct=2.
- University of Canterbury, 'Simulating friendly fire to learn how to avoid it', 05 April 2016, available at www.canterbury.ac.nz/news/2016/simulating-friendly-fire-to-learn-how-to-avoid-it.html
- University of Southern California Neuroimaging and Informatics Institute, 'The Human Connectome Project', available at www.humanconnectomeproject.org
- K. R. Urban, 'Performance Enhancement at the Cost of Potential Brain Plasticity: Neural Ramifications of Nootropic Drugs in the Healthy Developing Brain', Frontiers in Systems Neuroscience, Vol. 8, No 38 (May 2014), 2.
- USAF Judge Advocate General's Department, Air Force Operations and the Law, A Guide for Air and Space Forces (2002), 47.
- US Defense Advanced Research Projects Agency (DARPA), Towards a High-Resolution, Implantable Neural Interface, available at www.darpa.mil/news-events/2017-07-10.
- US Department of Defense, 'Description of Medals', http://valor.defense.gov/Description-of-Awards/.
- US Department of Defense, Non-Lethal Weapons Program, 'Active Denial Technology', available at http://jnlwp.defense.gov/Future-Non-Lethal-Weapons/Active-Denial-Technology/.
- 'Distributed Sound and Light Array', available at http://jnlwp.defense.gov/Develop ing-Non-Lethal-Weapons/Distributed-Sound-and-Light-Array/.
- US Department of Homeland Security, Future Attribute Screening Technology Factsheet, 2 March 2016, available at www.dhs.gov/publication/future-attributescreening-technology.
- US Department of Transportation, 23 February 2018, available at www.transportation .gov/AV.
- US Director of National Intelligence website, available at www.iarpa.gov/index.php/ research-programs/best.
- US Food and Drug Administration, Computer-Assisted Surgical Systems, last updated 29 July 2015, available at www.fda.gov/MedicalDevices/ProductsandMedicalProce dures/SurgeryandLifeSupport/ComputerAssistedSurgicalSystems/default.htm.
- USNI, 'Report to Congress on Navy Laser, Railgun and Hypervelocity Projectiles', 26 February, 2018, available at https://news.usni.org/2017/12/05/report-congress-navylaser-railgun-hypervelocity-projectiles-2.

'Report to Congress on US Navy Destroyer Programs', 5 October 2017, available at https://news.usni.org/2017/10/05/report-congress-u-s-navy-destroyer-programs-2.

- US National Research Council, An Assessment of Non-Lethal Weapons Science and Technology (Washington, DC: The National Academies Press, 2003).
- H. Van de Meent, M. T. Hopman and J. P. Frölke, 'Walking Ability and Quality of Life in Subjects with Transfermoral Amputation: A Comparison of Osseointegration with Socket Prostheses', Archives of Physical Medicine and Rehabilitation (2013),94: 2174-2178.
- A. Vance, Elon Musk, Tesla, SpaceX and the Quest for a Fantastic Future, (Harper Collins, 2015).
- J. J. Vasterling, et al., 'Neuropsychological Outcomes of Army Personnel Following Deployment to the Iraq War', *Journal of the American Medical Association* 296, 5 (August 2006), 526–528.
- B. Viswanath and S. Kim, 'Influence of Nanotoxicity on Human Health and Environment: The Alternative Strategies', *Review of Environmental Contamination and Toxicology*, 242 (2017), 61–104.
- I. A. Vlasic, 'Space Law and the Military Applications of Space Technology', in N. Jasentuliyana (ed.) *Perspectives on International Law*, (Kluwer Law International, London, 1995).
- G. Voelz, 'Catalysts of Military Innovation: A Case Study of Defense Biometrics', 23 Defense ARJ 2, April 2016, 178, 185.
- W. Heintschel von Heinegg, "The International Law of Mine Warfare at Sea', 23 Israel Yearbook of Human Rights, 53-76 (1993).
- <sup>(Protecting Critical Submarine Cyber Infrastructure: Legal Status and Protection of Submarine Communications Cables under International Law', in K. Ziolkowski (ed.), Peacetime Regime for State Activities in Cyberspace (Tallinn: NATO, CCD COE, 2013).</sup>
- 'Unmanned Maritime Systems: Does the Increasing Use of Naval Weapon Systems Present a Challenge for IHL?', in W. Heintschel von Heinegg, R. Frau and T. Singer (eds.), *Dehumanization of Warfare: Legal Implications of New Weapon Technologies* (New York: Springer, 2018).
- J. Wagner, 'China's Cybersecurity Law: What You Need to Know,' *The Diplomat*, 1 June 2017, available at http://thediplomat.com/2017/06/chinas-cybersecurity-lawwhat-you-need-to-know/.
- E. Waldrop 'Integration of Military and Civilian Space Assets: Legal and National Security Implications' (2004) 55 Air Force Review 157.
- G. Walker (ed.), Definitions for the Law of the Sea, p. 241 (Leiden/Boston: Martinus Nijhoff, 2012).
- A. E. Wall, 'Legal and Ethical Lessons of NATO's Kosovo Campaign', US Naval War College International Law Studies, Vol. 78, Parts III and IV.
- D. Wallace, 'Trends in Traumatic Limb Amputation in Allied Forces in Iraq and Afghanistan,' Journal of Military and Veterans Health (2012).
- D. Wallace and S. Reeves, 'Modern Weapons and the Law of Armed Conflict', in G. S. Corn, R. E. VanLandingham, and S. R. Reeves (eds.), U.S. Military Operations: Law, Policy, and Practice (New York: Oxford University Press, 2016) 41, 58–59.

- J. Wang and P. Dortmans, 'Nanotechnology: Selected Topics and Potential Military Application' (Paper presented at Land Warfare Conference, Melbourne, Australia, 27–30 September 2004) http://dspace.dsto.defence.gov.au/dspace/handle/1947/ 2559 69–81.
- Washington Post Staff, 'Full Transcript: FBI Director James Comey Testifies on Russian Interference in 2016', *The Washington Post*, 20 March 2017, available at www.washingtonpost.com/news/post-politics/wp/2017/03/20/full-transcript-fbidirector-james-comey-testifies-on-russian-interference-in-2016-election/?utm \_term=.6b6ef8d4c68d.
- K. Watkin, 'Chemical Agents and "Expanding" Bullets: Limited Law Enforcement Exceptions and Unwarranted Handcuffs?', in A. M. Helm (ed.), The Law of War in the 21st Century: Weaponry and the Use of Force (US Naval War College International Law Studies, Vol. 82, 2006) 193, 196-197.
- T. M. Wettach, 'Rebalancing Cyber Security in Asia', *The Diplomat*, 16 December 2016, available at http://thediplomat.com/2016/11/rebalancing-cybersecurity-in-asia/.
- G. Webster, 'Observations on China's New International Cyberspace Cooperation Strategy', Lawfare blog, 7 March 2017, available at www.lawfareblog.com/observa tions-chinas-newinternational-cyberspace-cooperation-strategy.
- L. Weymouth, 'Russia Is a Threat. . . to All of Europe', Foreign Policy, 24 March 2017, available at http://foreignpolicy.com/2017/03/24/russia-lithuania-nato-grybauskaite-putin-trump-interview/.
- M. Wheelis, 'Will the "New Biology" Lead to New Weapons?', Arms Control Today, 34(6) (2004), 6.
- M. White, 'New Tech Helps Facebook Remove 99% of IS Posts Before Users Flag It Up', Sky News, 29 November 2017, available at https://news.sky.com/story/newtech-helpsfacebook-remove-99-of-is-posts-before-users-flag-it-up-11148386.
- White House, The National Security Strategy of the United States of America (September 2002), available at www.state.gov/documents/organization/63562.pdf.
- White House, www.whitehouse.gov/briefings-statements/statement-press-secretary-25/.
- D. Whitehouse, 'First dog in space died within hours', BBC News, 28 October 2002, available at http://news.bbc.co.uk/2/hi/science/nature/2367681.stm.
- T. Widler, et al., 'Organisational Risk Management of Nanomaterials Using SUNDS: The Contribution of CENARIOS®' in F. Murphy, E. M. McAlea and M. Mullins (eds.), *Managing Risk in Nanotechnology* (New York: Springer International, 2016), 219–235.
- P. Wiles, 'Metropolitan Police's Use of Facial Recognition Technology at the Notting Hill Carnival, 2017', Press Release, 23 August 2017.
- G. Williams, Textbook of Criminal Law, 2nd edn (London: Stevens and Son, 1983).
- I. Williams, Rum: A Social and Sociable History (New York: Nation Books, 2005).
- A. Willoughby, 'Biometric Surveillance and the Right to Privacy', 36 IEEE Technology and Society Magazine 3, September 2017, available at http://ieeexplore.ieee.org/ document/8038135/.
- R. F. Wilson, 'Nanotechnology: The Challenge of Regulating Known Unknowns', The Journal of Law, Medicine & Ethics, 34(4) (2006), 704-713.

- K. Wong, 'Australia Seeks Guidance on Quantum Technologies', 11 January 2018, available at www.janes.com/article/77006/australia-seeks-guidance-on-quantumtechnologies.
- 'Sea Sentinels: Chinese Unmanned Maritime Systems Gain Traction', available at www.janes.com/images/assets/219/77219/Sea\_sentinels\_Chinese\_unmanned\_mari time\_systems\_gain\_traction.pdf.
- K. Wong, 'Australia Seeks Guidance on Quantum Technologies', 11 January 2018, available at www.janes.com/article/77006/australia-seeks-guidance-on-quantumtechnologies.
- J. Woodward, Jr, 'Using Biometrics to Achieve Identity Dominance in the Global War on Terrorism' (September-October 2005) LXXXV No.5 Military Review 30 at 31.
- N. Woolf, 'DDoS Attack That Disrupted Internet Was Largest of Its Kind in History, Experts Say', *The Guardian*, 26 October 2016.
- L. R. Wrathall, 'The Vulnerability of Subsea Infrastructure to Underwater Attack: Legal Shortcomings and the Way Forward', 12 San Diego Int'l Law Journal (2010–2011), 223–261, at 228.
- D. Wroe, 'New Sabotage Laws for Cyber Attacks on Australia's Critical Infrastructure', Sydney Morning Herald, 8 December 2017, available at www.smh.com.au/ federal-politics/political-news/new-sabotage-laws-for-cyber-attacks-on-australias-criticalinfrastructure-20171207-h000c2.html.
- S. S. Wu and M. Goodman, 'Neural Devices Will Change Humankind: What Legal Issues Will Follow?,' American Bar Association SciTech Lawyer (Winter 2012).
- S. Xia, 'China Establishes Its First Cyber Court in Hangzhou: Thank You Alibaba', China Law Blog, 16 August 2017, available at www.chinalawblog.com/2017/08/ china-establishes-its-firstcyber-court-in-hangzhou-thank-you-alibaba.html.
- M. Xuequan, 'China asks online group, WeChat account admins to take responsibility', Xinhuanet, 19 September 1917, available at http://news.xinhuanet.com/ english/2017-09/08/c\_136592568.htm.
- G. Z. Yang, et al., 'Medical robotics: Regulatory, Ethical And Legal Considerations for Increasing Levels of Autonomy', 2 *Science Robotics* 4, 15 March 2017, available at http://robotics.sciencemag.org/content/2/4/eaam8638.full.
- H. Yin, et al., 'Structure-Guided Chemical Modification of Guide RNA Enables Potent Non-Viral in Vivo Genome Editing', *Nature Biotechnology* (2017), nature.com/articles/doi:10.1038/nbt.4005.
- M. Young, 'Neural Network Finds 8-Planet System,' Sky & Telescope, 15 December 2017.
- D. Zaidi, 'Inside China's Growing Use of Facial Recognition Technology' Venture Beat, 15 February 2018.
- J. P. Zanders, 'The Chemical Weapons Convention and Universality: A Question of Quality over Quantity?', Disarmament Forum, 4 (2002), 23.
- 'International Norms against Chemical and Biological Warfare: An Ambiguous Legacy', (2003) 8(2) JCSL 391, 407-408.
- G. Zorpette, 'The Benefits of Building an Artificial Brain,' *IEEE Spectrum*, 31 May 2017, available at https://spectrum.ieee.org/computing/hardware/can-we-copy-the-brain.
- L. Zyga, Microbots can clean up polluted water (11 April 2016) Phys Org, available at https://phys.org/news/2016-04-microbots-polluted.html.