

**SHANNON VALLOR**  
Department of Philosophy  
Edinburgh Futures Institute  
**CURRICULUM VITAE**

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#### AREAS OF SPECIALIZATION

AI and Data Ethics, Philosophy of Technology, Applied Virtue Ethics

#### ACADEMIC APPOINTMENTS

##### **Baillie Gifford Chair in the Ethics of Data and Artificial Intelligence**

University of Edinburgh, Edinburgh Futures Institute	2020-present
<b>Regis and Dianne McKenna Professor</b> , Department of Philosophy, SCU	2018-2020
<b>William J. Rewak Professor</b> , Department of Philosophy, Santa Clara University	2016-2018
<b>Associate/Assistant Professor</b> , Department of Philosophy, Santa Clara University	2006-2017

#### PROFESSIONAL/EXTERNAL APPOINTMENTS (CURRENT)

Director, Centre for Technomoral Futures, Edinburgh Futures Institute (2020-present)  
Chair, Data Delivery Group of Scottish Government (2020-present)  
Fellow, Alan Turing Institute (2021-2022)  
Chair, AI and Data Ethics Advisory Board, University of Edinburgh (2020-present)  
Digital Ethics Expert Group, Scottish Government (2020-present)  
UK Geospatial Commission Oversight Group: Public Dialogue on Location Data Ethics (2021-present)  
ML/AI Advisory Panel, GiveDirectly.org (2021-present)  
Steering Committee, BCS Academic Accreditation Review (2020-present)  
2020 Study Panel Member, One Hundred Year Study of AI (AI-100), Stanford University  
Advisory Board, ORBIT-RRRI, EPSRC, UK (2019-present)  
Advisory Board, EPSRC CDT Geospatial Systems, Newcastle University (2019-present)  
Advisory Board, Humanising Machine Intelligence (HMI) Project, ANU (2020-present)  
Trustee, Foundation for Responsible Robotics (2015-present)

#### SELECTED PROFESSIONAL/EXTERNAL APPOINTMENTS (PAST)

AI Ethicist and Visiting Research Scientist, Google (2018-2020)  
2019 Program Co-Chair, AI, Ethics and Society (AIES) Conference of AAAI  
President (2015-2017) & Board Member (2011-2019) Society for Philosophy & Technology  
Program Committees, FAccT 2021, AIES 2020-2021, SPT 2019, SPT 2021

#### GRANTS AND AWARDS

UKRI EPSRC Trustworthy Autonomous Systems Governance Node (Co-I)	2020-2023
£3.2m Award for <i>TAS Governance and Regulation: Better Governance by Design</i>	
Diverse Intelligences Challenge, Templeton World Charity Foundation (PI)	2019-2022
\$234,000 Award for <i>Summer Institute in Technology Ethics</i>	
Responsible CS Challenge, Mozilla Foundation, SCU Project Team	2019-2020
Public Intellectual & President's Awards, Santa Clara University	2017
World Technology Award in Ethics, World Technology Network	2015
Brutocao Award for Teaching Excellence, Santa Clara University	2015
National Science Foundation EESE Grant (Co-I)	2012-2014
Project: <i>Geospatial Privacy: Legal, Social, Ethical Implications for Users of Geocoded Data</i>	

## MONOGRAPHS AND EDITED VOLUMES

- ♦ *The AI Mirror: Rebuilding Human Wisdom in an Age of Automated Thinking* (forthcoming)
- ♦ *The Oxford Handbook of Philosophy of Technology*, editor (forthcoming from Oxford University Press, January 2022)
- ♦ *Technology and the Virtues: A Philosophical Guide to a Future Worth Wanting*. New York: Oxford University Press, 2016, 309 pp. hardcover, paperback, and e-book.

## ARTICLES AND BOOK CHAPTERS

1. "Social Networking and Ethics." In *Stanford Encyclopedia of Philosophy*, E. Zalta, ed. (2021 update, originally published 2012.) <<http://plato.stanford.edu/archives/fall2012/entries/ethics-social-networking/>>
2. "Why Reliabilism is Not Enough: Epistemic and Moral Justification in Machine Learning." (co-authored with Andrew Smart, Larry James, Ben Hutchison, and Simone Wu), *Proceedings of AIES/AAAI 2020*, 372-377.
3. "Moral Machines: From Value Alignment to Embodied Virtue." (co-authored with Wendell Wallach) in *Ethics of Artificial Intelligence*, Matthew Liao, ed. (New York: Oxford University Press, 2020), 383-412.
4. "AI and the Automation of Wisdom." In *Philosophy and Computing: Essays in Epistemology, Philosophy of Mind, Logic, and Ethics*, Thomas M. Powers, ed. (Cham: Springer, 2017), 161-178.
5. "AI and the Ethics of Self-Learning Robots." (co-authored with George Bekey) In *Robot Ethics 2.0: From Autonomous Cars to Artificial Intelligence*, Patrick Lin, Ryan Jenkins, and Keith Abney, eds. (New York: Oxford University Press, 2017), 338-353.
6. "Technology and the Virtues: A Response to My Critics." special author-meets-critics symposium of *Philosophy & Technology* 31(2) (2018): 305-316.
7. "Robots with Guns." In *Spaces for the Future: A Companion to the Philosophy of Technology*. Joseph C. Pitt and Ashley Shew, eds. (New York: Routledge, 2017), 73-81.
8. "Beyond Originary Givenness? Postphenomenology, Digital Imaging and Evidentiary Responsibility." In *Technoscience and Postphenomenology: The Manhattan Papers*. Jan Kyrre Berg Friis and Robert Crease, eds. (Lanham, MD: Lexington Press, 2015), 19-38.
9. "Moral Deskillling and Upskilling in a New Machine Age: Reflections on the Ambiguous Future of Character," *Philosophy and Technology* 28 (2015), 107-124.
10. "Social Media." In *Ethics, Science, Technology and Engineering: A Global Resource, 2<sup>nd</sup>. Ed.*, J. Britt Holbrook, ed. (Farmington Hills, MI: Macmillan Reference, 2015), 203-206.
11. "Armed Robots and Military Virtue." In *The Ethics of Information Warfare*, Luciano Floridi and Mariarosaria Taddeo, eds. (Switzerland: Springer, 2014), 169-185.
12. "Experimental Virtues: Perceptual Responsiveness and the Praxis of Scientific Observation." In *Virtue Epistemology Naturalized: Bridges between Virtue Epistemology and Philosophy of Science*, Abrol Fairweather, ed. (Cham: Synthese Library Series, Springer, 2014), 269-290.
13. "Super Soldiers: The Ethical, Legal and Operational Implications (Part 2)." Co-authored with Patrick Lin, Max Mehlman, Keith Abney, Shannon French, Jai Galliot, Michael Burnam-Fink, Alexander R. LaCroix, and Seth Schuknecht. In *Global Issues and Ethical Considerations in Human Enhancement Technologies*, Steven John Thompson, ed. (Hershey, PA: IGI Global, 2014), 139-160.

14. "Hitting the Moving Target: The Challenges of Creating a Dynamic Curriculum to Address the Ethical Dimensions of Geospatial Data." (co-authored with John Newman Carr, Scott Freundschuh, William Gannon and Paul Zandbergen). *Journal of Geography in Higher Education* 38(4) (2014), 444-454.
15. "The Future of Military Virtue: Autonomous Systems and Moral Deskilling in the Military Profession." In *2013 5th International Conference on Cyber Conflict (CyCon 2013): Proceedings*, Karlis Podens, Jan Stinissen and Markus Maybaum, eds. (Tallinn, Estonia: NATO CCDCOE, 2013), 471-486.
16. "Flourishing on Facebook: Virtue Friendship and New Social Media." *Ethics and Information Technology*, 14(3) (2012), 185-199.
17. "New Social Media and the Virtues." In *The Good Life in a Technological Age*, Philip Brey, Adam Brigggle and Edward Spence, eds. (London: Routledge, 2012), 193-202.
18. "Carebots and Caregivers: Sustaining the Ethical Ideal of Care in the 21st Century." *Philosophy & Technology* 24:3 (2011), 251-268. Reprinted in *Machine Ethics and Robot Ethics*, Wendell Wallach and Peter Asaro, eds. (New York: Ashgate, 2016)
19. "Knowing What to Wish For: Human Enhancement Technology, Dignity and Virtue." *Techné: Research in Philosophy and Technology* 15:2 (2011), 82-100.
20. "Social Networking Technology and the Virtues." *Ethics and Information Technology*, 12:2 (2010), 157-70. Reprinted in *The Ethics of Information Technologies*, Mariarosaria Taddeo and Keith Miller, eds. (New York: Ashgate, 2016)
21. "The Pregnancy of the Real: A Phenomenological Defense of Experimental Realism." *Inquiry*, 52:1 (2009), 1-25.
22. "The Fantasy of Third-Person Science: Phenomenology, Ontology and Evidence." *Phenomenology and the Cognitive Sciences*, 8:1 (2009), 1-15.
23. "An Enactive-Phenomenological Approach to Veridical Perception." *Journal of Consciousness Studies*, 13:4 (2006), 39-60.
24. "The Intentionality of Reference in Husserl and the Analytic Tradition." In *Intentionality: Past and Future*, eds. G. Forrai and G. Kampis. (Amsterdam: Rodopi, 2005), 111-125.
25. "Frege's Puzzle: A Phenomenological Solution?" *Philosophy Today* (SPEP Supplement 2002), 178-185.
26. "How We Think About Things: Husserl, Putnam and the Metaphysics of Reference." *Discourse*, vol. 5 (Spring 1999), 1-11.

#### SELECTED PUBLIC, INDUSTRY AND PROFESSIONAL ENGAGEMENT

1. ["The Thoughts the Civilized Keep."](#) Noema magazine (2021)
2. World Science Festival, 31 May 2019, ["Making Room for Machines: Getting Ready for AGI": A conversation with Yann LeCun, Garry Kasparov, Shannon Vallor and Hod Lipson](#)
3. [Ethics in Tech Practice](#) (with Brian Green and Irina Raicu), Markkula Center for Applied Ethics, July 2018. Funded by Omidyar Network Tech Society and Solutions Lab. Adapted for in-house use at Google, Google X, and other leading technology companies.
4. *An Introduction to Cybersecurity Ethics* (2018); *An Introduction to Data Ethics* (2017), Markkula Center for Applied Ethics, SCU. Funded by Accenture.
5. ["Lessons from Isaac Asimov's Multivac."](#) *The Atlantic* (May 2, 2017)