Literature for SIMS40, AI in Society applies from the autumn semester 2025

Literature established by Graduate School Board on 2025-06-10 to apply from 2025-06-10

Books

Bucher, Tania (2018). Algorithmic Power and Politics. Oxford Scholarship Online. 200 pp. Selection ca 100 pp. [Available online]

Crawford, Kate (2021). Atlas of AI. Yale University Press. Selection 200 pp.

Dahl, Robert A. (1989). Democracy and Its Critics. New Haven: Yale University Press. Selection ca 50 pp. [available online]

Dignum,Virginia (2019). Responsible Artificial Intelligence: How to Develop and Use AI in a Responsible Way. Springer. 127 pp. [Available online]

Haraway, Donna J. (1991). Simians, Cyborgs, and Women. New York: Routledge. (Part One & Part Three). ISBN: 1853431397, 1853431389, 9781853431395. 160 pp. https://monoskop.org/images/f/f3/Haraway_Donna_J_Simians_Cyborgs_and_Women_The_Reinvention_of_Nature.pdf

Hunsinger, Jeremy, Lisbeth Klastrup, & Matthew M. Allen (eds.) (2010). International handbook of internet research. Springer Science & Business Media. [available online] Student's own selection ca 100 pp.

Lindgren, Simon (ed.) (2023). Handbook of Critical Studies of Artificial Intelligence. Cheltenham, UK: Edward Elgar Publishing. 922 pp. Selection ca 100 pp.

Russell, Stuart (2019). Human Compatible: AI and the Problem of Control. Allen Lane. 352 pp. Selection ca 150 pp.

van Dijck, José, Thomas Poell & Martin de Waal (2018). The Platform Society: Public Values in a Connective World. Oxford: Oxford University Press. ISBN 9780190889777. 226 pp. Selection ca 100 pp.

Material to distributed in class: ca 100 pages.

Approximately 650 pages of articles (specified below) in addition to the above readings.

Articles

Anderson, Susan Leigh (2008). Asimov's "three laws of robotics" and machine metaethics. AI & Society, 22(4), 477–493.

Beckers, Anna & Gunther Teubner (2023). "Human-algorithm hybrids as (quasi-) organizations? On the accountability of digital collective actors", Journal of Law and Society 50(1): 100–119.

Belpaeme, Tony, James Kennedy, Aditi Ramachandran, Brian Scassellati, & Fumihide Tanaka (2018). "Social robots for education: A review", Science Robotics, 3(21), l–9.

Birhane, A. (2021). "Algorithmic injustice: a relational ethics approach", Patterns 2. DOI:10.1016/j.patter.2021.100205

Breazeal, Cynthia (1999). "Robot in society: Friend or appliance", Proceedings of the 1999 Autonomous Agents Workshop on Emotion-Based Agent Architectures (pp. 18–26).

Bryson, Joanna J. (2010). "Robots should be slaves" in Yorick Wilks (ed.) Close Engagements with Artificial Companions: Key social, psychological, ethical and design issues (pp. 63–74). Amsterdam: John Benjamins.

Burrell, J. (2024). "Automated decision-making as domination", First Monday. DOI:10.5210/fm.v29i4.13630.

Campolo, Alexander & Kate Crawford (2020). "Enchanted determinism: Power without responsibility in artificial intelligence", Engaging Science, Technology, and Society 6: 1–19. DOI:10.17351/ests2020.277.

Carlsson, V. (2023). "Legal certainty in automated decision-making in welfare services", Public Policy and Administration. DOI: 10.1177/09520767231202334.

Coeckelbergh, Mark (2010). "Robot rights? Towards a social-relational justification of moral consideration", Ethics and information technology, 12(3), 209–221.

Dautenhahn, Kerstin (2007). "Socially intelligent robots: dimensions of human–robot interaction", Philosophical transactions of the royal society B: Biological sciences, 362(1480), 679–704.

Drage, Eleanor, Kerry McInerney & Jude Browne (2024). "Engineers on responsibility: Feminist approaches to who's responsible for ethical AI", Ethics and Information Technology 26(4): 1–13. https://doi.org/10.1007/s10676-023-09739-1.

Dumit, J. (2014). Writing the Implosion: Teaching the World One Thing at a Time. Cultural Anthropology 29(2):344–362. https://doi.org/10.14506/ca29.2.09Links to an external site..

Redden, J., Brand, J., Sander, I. & Warne, H. (2022). "Automating Public Services: Learningfrom Cancelled Systems". Data Justice Lab.

Erman, Eva & Markus Furendal (2022). "Artifical intelligences and the political legitimacy of global governance", Political Studies 72(2): 421–441. DOI: 10.1177/00323217221126665.

Feldman Barrett, Lisa, Ralph Adolphs, Stacy Marsella, Aleix M. Martinez, Seth D. Pollak (2019). "Emotional expressions reconsidered: Challenges to inferring emotion from human facial movements", Psychological Science in the Public Interest 20: 1–68.

Ferrando, Francesca (2014). "Is the Post-Human a Post-Woman?", European Journal of Futures Research 2(43): 2–43.

Firth-Godbehere, Rich (2018). "Silicon Valley thinks everyone feels the same six emotions", NEXT September 5. https://howwegettonext.com/silicon-valley-thinks-everyone-feels-the-same-six-emotions-38354a0ef3d7Links to an external site. ca 14 pp

Firth-Godbehere, Rich (2018). "Emotion science keeps getting more complicated. Can AI Keep Up?", NEXT November 28. https://howwegettonext.com/emotion-science-keeps-getting-more-complicated-can-ai-keep-up-442c19133085Links to an external site. ca 8 pp

Hedlund, Maria & Erik Persson (2024). "Expert responsibility in AI development", AI & Society 39: 453–464. http://doi.org/10.1007/s00146-022-01498-9.

Hydén, Håkan (2015). "Towards a Theory of Law and Societal Development", Scandinavian Studies in Law 60: 443–473.

Hydén, Håkan (2020). "AI, norms, big data, and law", Asian Journal of Law and Society, 409–436. https://doi.org/10.1017/als.2020.36

Jungherr, Andreas (2023). "Artificial intelligence and democracy: A conceptual framework", Social Media and Society 9(3): 1–14. DOI: 10.1177/20563051231186353.

Justo-Hanani, Ronit (2022). "The politics of articial intelligence regulation and governance reform in the European Union", Policy Sciences 55: 137–159.

Kappas, Arvid & Jonathan Gratch (2023). "These aren't the droids you are looking for: Promises and challenges for the intersection of affective science and robotics/AI", Affective Science https://doi.org/10.1007/s42761-023-00211-3Links to an external site.

Leavy, Susan (2018). "Gender Bias in Artificial Intelligence: The Need for Diversity and Gender Theory in Machine Learning." GE '18: Proceedings of the 1st International Workshop on Gender Equality in Software Engineering, pp. 14–16.

Lomborg, S., Kaun, A. & Hansen Scott, S. (2022). "Automated decision-making: Toward a people-centred approach", Sociology Compass, 17(8), e13097. DOI:10.1111/soc4.13097.

Maroti, Christine (2019). "Gender Bias in AI: Building Fairer Algorithms." Artificial Intelligence, September 17. (ca 6 pp.)

Ogawa, Kohei, Christoph Bartneck, Daisuke Sakamoto, Takayuki Kanda, Tetsuo Ono, & Hiroshi Ishiguro (2009). "Can An Android Persuade You?", Proceedings of the 18th IEEE International Preto, Sara (2019). "Emotion-reading algorithms cannot predict intentions via facial expressions". Greot September 5: https://greot.com/2019/09/05/emotion-reading-algorithms-cannot-predict-intentions-via-facial-expressions/Links to an external site. ca 3 pp

Regulation of AI: Problems and Options, ch. 13 in Liane Colonna Stanley Greenstein (eds.) Law in the Era of Artificial Intelligence, Nordic Yearbook 2020-2021. See law-in-the-era-of-artificial-intelligence.pdf.

Sandoval, Eduardo Benitez, Omar Mubin & Mohammad Obaid (2014). "Human robot interaction and fiction: A contradiction", International Conference on Social Robotics (pp. 54–63). Springer, Cham.

Sharkey, Noel & Amanda Jane Sharkey (2010). "The crying shame of robot nannies: an ethical appraisal", Interaction Studies, 11(2), 161–190.

Skaug Sætra, Henrik, Harald Borgebund & Mark Coeckelbergh (2022). "Avoid diluting democracy by algorithms", Nature Machine Intelligence 4: 804–806.

Smith, David Harris & Frauke Zeller (2017). "The Death and Lives of hitchBOT: The Design and Implementation of a Hitchhiking Robot", Leonardo 50(1): 77–78.

Symposium on Robot and Human Interactive Communication, RO- MAN2009, Toyama (pp. 553–557). IEEE.

Ulnicane, Inga & Aini Aden (2023). "Power and politics in framing bias in artificial intelligence policy", Review of Policy Research 40: 665–687. DOI:10.111.ropr.12567.

Total number of pages: ca 1850