

Aimee van Wynsberghe

Curriculum Vitae

Department of Philosophy
Technical University of Delft
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Twitter: [@aimeevanrobot](https://twitter.com/aimeevanrobot)

Current Appointments:

Assoc. Professor (Tenured), <i>Technical University of Delft</i>	2020 – present
Director, Artificial Intelligence Lab, <i>Technical University Delft</i>	2019 – present
Centre for the Edge Fellow, <i>Deloitte</i>	2019 – present
Rapporteur, <i>European Commission High-Level Expert Group on AI</i>	2018 – present
President & Co-Founder, <i>Foundation for Responsible Robotics</i>	2015 – present
Board Member & Co-Founder, <i>ALLAI</i>	2019 – present

Past Appointments:

Asst Professor (Tenure Track), <i>Technical University of Delft</i>	2017 – 2020
Asst Professor, University of Twente	2014 – 2017
Visiting Research Fellow, University of Washington	2015
Post-doctoral researcher, University of Twente	2012 – 2014

Areas of Specialization:

Robot Ethics, AI Ethics, Digital Ethics, Care Ethics, Value Sensitive Design

Education:

University of Twente (PhD, Applied Ethics). Thesis: <i>Designing Robots with Care: creating an ethical framework for the future design and implementation of care robots.</i>	2012
Erasmus Mundus (M.A., Bioethics, Cum Laude)	2008
Catholic University of Leuven (M.A., Applied Ethics)	2007
University of Western Ontario (B.Sc., Honours-Cell Biology)	2006

Awards, Grants, and Distinctions:

NWO, Gravitation Grant, 200,000 Euros	2020
<i>Viva 400</i> , Nominated for ‘Tech Talent’	2019
<i>AirLab/Abold Delhaięę</i> , Collaboration Grant, 250,000 Euros	2019
<i>Deloitte</i> , Centre for the Edge Fellowship	2019
<i>InspiringFifty</i> , Inspiring Female in Tech	2019
<i>Computer Weekly</i> , Most Influential Women in Tech (longlisted)	2019
<i>L’Oreal-Unesco</i> , Women in Science Laureate (NL), 25,000 Euros	2018
<i>British Academy</i> , Small Research Grant, 9000 GBP	2018
<i>Robohub</i> , Women to Know in Robotics	2017
<i>Techionista</i> , Women in Tech award (nominated)	2017
NWO, Veni Personal Research Grant, 250,000 Euros	2015
<i>UTwente</i> , Female Incentive Fund Scholarship, 15,000 Euros	2015
<i>Viva 400</i> , Nominated as a ‘Clever Head’	2015

<i>Georges Giralt</i> , Award for Best PhD thesis in Robotics (nominated)	2012
<i>Centre for Telematics and Information Technology</i> , PhD Carousel Award	2011

Professional Organizations:

NWO Research Agenda, <i>Writing Committee Member</i>	2019 – present
Institute for Accountability and Internet Democracy, <i>Board of Directors</i> (aidinstitute.org)	2017 – present
Journal for Frontiers in Robotics and AI, <i>Editorial Committee member</i>	2016 – present
Robohub, <i>Expert member</i>	2017 – present
XPRIZE, <i>Advisory Board</i>	2018 – 2019
4TU Robotics Task Force, <i>Coordinator</i>	2014 – 2018
AI and Intelligent Automation, <i>Advisory Board</i>	2017 – 2018

Teaching:

Robots and Society	TU Delft	2020
Artificial Intelligence as a Social Experiment	Markkula Center for Applied Ethics (CA)	2020
Ethics of Healthcare Technologies	TU Delft	2019
Topics in Robotics	TU Delft	2019
RRI Masters Course (Group Expert)	TU Delft	2019
Ethics of Healthcare Technologies	TU Delft	2018
IT & Values (Tutorial Leader)	TU Delft	2018
Responsible Robotics (Program Coordinator)	IDEA League	2017
Philosophy & Ethics of Science (Erasmus)	TU Delft	2017
Ethics of Aerospace Engineering (Essay Supervisor)	TU Delft	2017
Critical Reflections on Technology (Essay Supervisor)	TU Delft	2017
Erasmus Program (Lecturer)	TU Delft	2017
Scientific Integrity	TU Delft	2017
Creating Biological Tissues Module (15 EC)	U Twente	2016
PSTS Internship (10 EC)	U Twente	2016
Creating Biological Tissues Module (15 EC)	U Twente	2015
Masterlab (5 EC)	U Twente	2015
Introduction to Ethics	U Twente	2015
Introduction to Cell biology	U Twente	2015
Introduction to Value Sensitive Design	U Twente	2015
Maakbare Mens (5 EC)	U Twente	2015
Medisch Techniekethiek (3EC)	U Twente	2015
Ethics and Value Sensitive Design of Technology	Academy for Information and Management ¹	2015
Creating Biological Tissues Module (15 EC)	U Twente	2014
Masterlab (5 EC)	U Twente	2014
Capita Selecta Minor Philosophy	U Twente	2014

¹ Now called the VUCA academy: <https://www.vuca-academy.nl/>

Ethics & Technology II (Care Ethics Lecturer)	U Twente	2014
Ethics & Technology II (Robot Ethics Lecturer)	U Twente	2014
Maakbare Mens (5 EC)	U Twente	2014
c	U Twente	2014
Philosophical Thinking Methods (8 EC)	U Twente	2014
Contemporay Philosophy (5 EC)	U Twente	2014
History of Philosophy (7 EC)	U Twente	2014
Minor Philosophy (20 EC)	U Twente	2014
Medische Techniekethiek (3 EC)	U Twente	2013
Ethics & Technolog II (Care Ethics, Feminist Ethics, & Robots Lecturer)	U Twente	2013
Medische Techniekethiek (3 EC)	U Twente	2012

Supervision:

Hybrid Intelligence (TBD PhD Candidate)	TU Delft	2020 Q2
Hybrid Intelligence (TBD Post Doc)	TU Delft	2020 Q2
Shuhong Li, PhD candidate (Passed Go/No-go)	TU Delft	2018 – Present
Tom Coggins, PhD candidate	TU Delft	2019 – Present
Madelaine Ley, PhD candidate	TU Delft	2019 – Present

Professional Service:

Dr. Tijs Vandemeulebroucke (PhD Exam Cmt.)	KU Leuven	2019
<i>Science & Engineering Ethics</i>		Journal Referee
<i>Ethics & Information Technology</i>		Journal Referee

Books:

Robots in Healthcare: design, development and implementation. 2016. Routledge. New York, NY.

Publications:

Citations: **731** | H-Index: **15**

2020

- “Artificial Intelligence: from ethics to policy”, (2020). *STOA Options Brief*, European Parliament. In Press.
- “Responsible Robotics & Responsibility Attribution”, (2020). *Robotics, AI, & Humanity: Science, Ethics, & Policy*. Springer. In Press.
- “Care Ethics, Philosophy of Technology, & Robots in Humanitarian Action”, (2020). In Vallor, S. (ed), *Oxford Handbook of Philosophy of Technology*, Vallor, S. (ed). Oxford University Press. In Press.
- “Toward an Ethics of Environmental Robotics”, (2020). *Philosophy & Technology*. In Press. DOI: <https://doi.org/10.1007/s13347-020-00399-3> (with Donhauser, J.)

2019

- “Drones in Humanitarian Contexts, Robot Ethics, and Preserving Dignity”, (2019). *Ethics & Information Technology*. DOI: <https://doi.org/10.1007/s10676-019-09514-1> (with Comes, T.)
- “A Paradigm Shift for Robot Ethics: from HRI to Human-Robot-System-Interaction”, (2019). *Medicolegal & Bioethics*. DOI: <https://doi.org/10.2147/MB.S160348> (with Li, S.)
- “Engaging Robots as Nursing Partners in Caring: Nursing as Caring Meets Care-Centered Value-Sensitive Design”, (2019). *International Journal for Human Caring*, 23(2), 157-167. DOI: <https://doi.org/10.20467/1091-5710.23.2.157> (with Schoenhofer, S.O. & Boykin, A.)
- “Designing Nursing Care Practices Complemented by Robots: Ethical Implications and Application of Caring Frameworks”, (2019). *International Journal for Human Caring*, 23(2), 132-140. DOI: <https://doi.org/10.20467/1091-5710.23.2.132> (with Grobbel, C., Davis, R., & Poly-Droulard, L.)
- “The Semblance of Aliveness: How the Peculiar Embodiment of Sex Robots will Matter”, (2019). *Techne*, 23 (3), 290-317. DOI: <https://doi.org/10.5840/techne20191125105> (with J. Grunsven)
- “Critiquing the Reasons for Artificial Moral Agents”, (2019) *Science and Engineering Ethics*, 25 (3), 719-735. DOI <https://doi.org/10.1007/s11948-018-0030-8>. (with Robbins, S.)

2018

- “Socioethical Approaches to Robotics Development” (2018) *IEEE Robotics Automation Magazine*, 25(1), 26–28. <https://doi.org/10.1109/MRA.2017.2787225> (with Sharkey, N. et al)
- “The Dawning of the Ethics of Environmental Robots”, (2018). *Science and Engineering Ethics*, 24 (6), 1777-1800. DOI: <https://doi.org/10.1007/s11948-017-9990-3>
- “Drones in the service of society.” (2018). Foundation for Responsible Robotics. <https://responsible-robotics-myxf6pn3xr.netdna-ssl.com/wp-content/uploads/2018/06/Drones-in-the-Service-of-Society1.pdf> (with Soesilo, D. et al)

2017

- “Our Sexual Future with Robots”, (2017). Foundation for Responsible Robotics. https://responsiblerobotics.org/wp-content/uploads/2017/07/FRR-Consultation-Report-Our-Sexual-Future-with-robots_Final.pdf (with Sharkey, N. et al)

2016

- “Service Robots, Care Ethics, and Design”, *Ethics and Information Technology* 18(4) (2016) DOI: <https://doi.org/10.1007/s10676-016-9409-x>
- “When Should We Use Care Robots? The Nature-of-Activities Approach” (2016). *Science and Engineering Ethics*, 22(6), 1745–1760. <https://doi.org/10.1007/s11948-015-9715-4> (with Santoni de Sio, F.)
- “Adapting the system to users based on implicit data: ethical risks and possible solutions” (2016) In *International Workshop on Symbiotic Interaction* (pp. 5-22). Springer. DOI: https://doi.org/10.1007/978-3-319-57753-1_2 (with Spagnolli, A. et al)

2015

- “Civilising Drones by Design” in Ezio Di Nucci and Filippo Santoni de Sio (eds.), *Drones and Responsibility*. Ashgate Publishers, 2015. DOI: <https://doi.org/10.4324/9781315578187-2> (with Nagenborg, M.)
- “Charting the next decade for value sensitive design”, (2015). *Aarhus series on human centered computing*, 1(1), 9-10. DOI: <https://doi.org/10.7146/aahcc.v1i1.21619> (with Friedman, B. et al)
- “Ethical Considerations of using information obtained from online file sharing sites: the case of the PirateBay,” *Journal of Information, Communication and Ethics in Society* 13 (2015): 256 – 267. DOI: <https://doi.org/10.1108/JICES-10-2014-0044>

2014

- “The Leadership Role of the Ethicist: balancing between the Authoritative and the Passive,” *Technoethics* 5(2) (2014): 11-21. DOI: <https://doi.org/10.4018/978-1-4666-8195-8.ch011>
- “Ethicist as Designer: a pragmatic approach to ethics in the lab,” *Science and Engineering Ethics* 20 (4) (2014): 947-61. DOI: <https://doi.org/10.1007/s11948-013-9498-4>. (with Robbins, S.)
- “Ethics in Data Sharing: Developing a Model for Best Practice.” (2014) *IEEE Security and Privacy Workshops*, 5–9. <https://doi.org/10.1109/SPW.2014.43> (with Dietrich, S. et al)
- “Machine ethics in the context of medical and care agents: (MEMCA-14): introduction to the symposium proceedings” (2014). In *AISB 2014: Proceedings of the 50th Anniversary Convention of the AISB* London: The Society for the Study of Artificial Intelligence and Simulation of Behaviour (AISB). (with Coeckelbergh, M. et al)

2013

- “A Method for Integrating Ethics into the Design Process of Robots,” *Industrial Robot* 40(5) (2013): 433 - 440. DOI: <https://doi.org/10.1108/IR-12-2012-451>
- “Designing Care Robots for Care: Care Centered Value-Sensitive Design,” *Science and Engineering Ethics* 19(2) (2013):407-33. DOI: <https://doi.org/10.1007/s11948-011-9343-6>
- “The concept of embedded values and the example of Internet Security.” (2013) *Responsible Research and Innovation in ICT, Oxford, Technical Report, 1101*. (with Moura, G.)
- “Robots in Healthcare: philosophical insights on the impact of robots on the healthcare tradition,” in M. Schermer, M. Boenink & G. Meynen (eds.), *Komt een filosoof bij de dokter*. Boom, Amsterdam, 2013.
- “To use or not to use: guidelines for researchers using data from online social networking sites.” (2013) Web publication/site, UK: RRI, Rict Responsible Innovation. Retrieved from <http://responsible-innovation.org.uk/torii/resource-detail/1471> (with Been, H. et al)

2012

- “Designing robots with care: creating an ethical framework for the future design and implementation of care robots.” PhD Dissertation. (2012) Enschede: University of Twente. <https://doi.org/10.3990/1.9789036533911>

2011

- “Care + a robot = good care?” (2011) *NVBe nieuwsbrief*, 18(4), 26-27.
- “Telepsychiatrie en de betekenis van persoon-tot-persooncontact: Een voorlopige personalistisch-ethische analyse.” (2011) *Tijdschrift voor Geneeskunde*, 67(10), 493–499. <https://poj.peeters-leuven.be/content.php?id=3282816&url=article> (with Gastmans, C.)

2009

“Telepsychiatry and the meaning of in-person contact: an ethical appraisal,” *International Journal of Medicine, Philosophy and Healthcare* 12(4) (2009): 469-76. DOI:

<https://doi.org/10.1007/s11019-009-9214-y> (with Gastmans, C.)

“Are there advantages to robotic-assisted surgery over laparoscopy from the surgeon’s perspective?” (2009). *Journal of Robotic Surgery*, 3(2), 79–82.

<https://doi.org/10.1007/s11701-009-0144-8> (with van Koughnett, J. et al.)

2008

“Telesurgery: an Ethical Appraisal. *Journal of Medical Ethics*,” 34 (2008):e22. (with Gastmans, C.) DOI: <http://dx.doi.org/10.1136/jme.2007.023952>

2007

“Robotic telesurgery: A real-world comparison of ground- and satellite-based internet performance.” (2007) *The International Journal of Medical Robotics and Computer Assisted Surgery*, 3(2), 111–116. <https://doi.org/10.1002/rcs.133> (with Rayman, R. et. Al.)

2006

“Long-distance robotic telesurgery: A feasibility study for care in remote environments.” (2006) *The International Journal of Medical Robotics and Computer Assisted Surgery*, 2(3), 216–224.

<https://doi.org/10.1002/rcs.99> (with Rayman, R. et. Al.)

2005

“Effects of Latency on Telesurgery: An Experimental Study.” (2005) In J. S. Duncan & G. Gerig (Eds.), *Medical Image Computing and Computer-Assisted Intervention – MICCAI 2005* (pp. 57–64). Springer. https://doi.org/10.1007/11566489_8 (with Rayman, R. et Al.)

Workshop Organization

<i>Material Encounters: A Workshop on More than Human Touch</i> (Lead Organizer)	Grant (€25,000)	Leeds, UK	2020 (Jan)
<i>Responsible Robotics: Shaping our Future with Robotics</i> (Lead Organizer, NIAS-Lorentz)	Grant (€25,000)	Leiden, NL	2018 (Feb)
<i>Dealing with Threats & Disaster</i> (Lead Organizer, 4TU-FRR)	Co-Funded by 4TU	Hague, NL	2017 (Nov)
<i>Ethics & Policy of Robots in Healthcare</i> (Lead Organizer, FRR-Institute for Global Justice)		Hague, NL	2017 (Jun)
<i>Connected Robots for Health: Challenges for Responsible Robot Design</i> (Lead Organizer, Brocher Foundation)	Grant (6,000 CHF)	Geneva, CH	2017 (Jun)
<i>Humanitarian Drones: Responsible Design and Deployment of Drones Used in Humanitarian Contexts</i> (Lead Organizer, Institute for Global Justice)		The Hague, NL	2017 (Mar)

<i>Robophilosophy Workshop on Responsible Robotics</i> (Lead Organizer, FRR)		Aarhus, DK	2016
<i>Charting the Next Steps for Robot Ethics</i> (Lead Organizer)		UTwente	2015 (May)
<i>Bridging the Gap Between HRI & Robot Ethics Research Workshop</i> (Lead Organizer)	Funded by 3TU	Paris, FR	2015

Invited Addresses (Selected):

- “AI, Healthcare, and Ethics”, Keynote Speaker & Panelist, “How to create a coherent, national level AI Strategy”, Panelist, *World Summit AI*, Oct 2019. <https://worldsummit.ai/>
- “Artificial Intelligence, Mental Health, and Ethics”, Keynote Speaker, *Mental Health Research Day*. Oct 2019. <https://www.lawsonresearch.ca/events/mental-health-research-innovation-day>
- “The Cycle of Women in Robotics: from Vicious to Virtuous”, Main Speaker, *Italy Campus Party*. July 2019. <https://italia.campus-party.org/speakers/>
- “What Comes first; the robot or the care?”, Invited Speaker, *Ethical challenges of mechanization of care*, German Ethics Council. June 2019. <https://www.ethikrat.org/jahrestagungen/pflege-roboter-ethik-ethische-herausforderungen-der-technisierung-der-pflege/>
- Speaker at the Pontifical Academy of Sciences *Robotics, AI, and Humanity: Science, Ethics, and Policy Workshop*, Vatican City, May 2019
- “Implementation of the European strategy on Artificial Intelligence”, Invited Panelist, AiParis Conference, Paris, FR, May 2019
- “The role of Ethics in Europe’s AI Ethics Guidelines”, Invited Panelist, *Digital Day*, European Commission, April 2019.
- “Is AI a Human Rights Issue?”, Invited Panelist, European Parliament, March 2019.
- “The Ethics and Accountability of AI”, Invited Panelist x2, Mobile World Congress 2019, Barcelona, SP, February 2019
- “Ethics of Robotics and Artificial Intelligence”, Keynote Speaker, PWC Ethics in the Boardroom Event, Amsterdam, NL, December 2018
- “Ethics, Healthcare, and Robotics”, Keynote Speaker, AMS Phoenix Conference, Toronto, CA, November 2018
- “Fireside Chat with Paul Michelman on Robot Ethics”, Invited speaker, Web Summit, Lisbon, Portugal, November 2018.
- “Technology in Healthcare”, Invited Panelist x2, Connected Health Conference, Boston, USA, October 2018
- “Ethics of Robots and Artificial Intelligence”, Keynote Speaker, Deloitte Women in STEAM event, Leiden, NL, October 2018
- “Regulating the Robots: the Ghost in the Smart Machine”, Invited Speaker, The Economist’s Innovation Summit: building the intelligent company”, London, Sept 2018
- “Responsible AI for a future worth wanting”, Keynote address, IT Web, Artificial Intelligence Workshop, South Africa, Aug 2018

“The Ethics of Robots in Humanitarian Aid”, Conference speaker, University of Sendai, Japan, July, 2018

“Ethics to Inspire Innovation in AI”, Invited Speaker, AI for Good, Geneva, Switzerland, May 2018.

“What could be tomorrow's issues on Accountability and Internet Democracy”, Panelist, The Hague Summit on Accountability and Internet Democracy, Peace Palace, the Hague, May 2018.

“AI may be a black box but the Ethical Issues resulting from AI are not.” Invited speaker, Deloitte, Arnhem, the NL, April 2018.

“More data, More Problems”, Keynote speaker, ABN-AMRO WTT Insights Live, Rotterdam, Feb 2018.

“Be adaptable, take risks”. Commencement address, ATLAS program University of Twente, class of 2017. Feb 2018.

“Innovation and the Future of Work – Are Robots our Partners or our Competitors?”, Panel Discussion, FT-EIB Global Investment Forum, Dec 2017.

“Discussing Ethics and Robotics”, Invited speaker, Web Summit, Lisbon, Portugal, Nov 2017.

“The Ethics of Ethical Robots”, Invited Speaker, Rotman Institute for Science and Values, London, Canada, March 2017.

“Ethics not included: the impact of robots and AI on the labour market”, Invited Speaker, EESC Hearing on Robotics and AI, European Parliament, Feb 2017.

“Ethical Issues in Robotics”, Opening address European Robotics Week. Nov 2016.

“Ethics and Robots,” Panelist, Leiden International Film Festival (Brave New World), Nov 2016.

“Ethics of Symbiotic Interaction” Panel Expert, 5th International workshop on Symbiotic Interaction, Sept 2016.

“Ethics and Care Robots,” Invited Speaker, Qua Art Qua Science, Nov 2015.

“Unintended uses of information from online social networking sites; a framework to stimulate reflection on values,” Stuttgart Media University, Nov 2014.

“Ethics and Big Data,” Invited presenter, COMMIT community days, Oct, 2014.

“Ethics, Privacy and Design,” Keynote lecture, IFIP Summer school on privacy and identity management. Sept, 2014.

“Designing Care Robots for Care,” NVBe (Dutch Society for Bioethics), Mar, 2012.

“A Framework for Integrating Ethics in the Design Process of Care Robots,” Yale University, Dec 2011.

Interviews (Video)

AI for Good Global Summit, May 2019

<https://www.youtube.com/watch?v=afTHneCow2Q>

Dutch IT Channel, May 2019

https://www.youtube.com/watch?time_continue=110&v=E1R3E671RR8

European Commission Digital Day 2019

<https://www.youtube.com/watch?v=UwYxwyiAtHo&t=8s>

Healthcare Information and Management Society (HIMSS). October 2018.

<http://himsstv.brightcovegallery.com/detail/videos/latest-videos/video/5989112071001/robotics-giving-rise-to-ethical-healthcare-issues?autoStart=true>

AI for Good Global Summit. May 2018.

https://www.youtube.com/watch?time_continue=1&v=PM9AOxVIvws

Press

“The Women Defining The 21st Century AI Movement”, March 19, 2020, *Forbes*.

<https://www.forbes.com/sites/markminevich/2020/03/19/the-women-defining-the-21st-century-ai-movement-part-2-of-2/#31d7eb352f05>

Interview with *Verdict AI* magazine, Winter 2019 Edition. <https://verdict-ai.nridigital.com/verdict-ai-winter19/ethical-fair-trustworthy-ai>

Interview with the *Holland Herald* (the KLM on board magazine), Aug 2019 Issue.

<https://aimeevanwynsberghe.com/wp-content/uploads/2019/08/Aimee-KLM-interview-Robot-ethics-1.pdf>

Interview with *Volkswagenstiftung*. Forthcoming in July 2019.

<https://www.volkswagenstiftung.de/en>

Interview with *Digital Future Society*. July 16, 2019. <https://digitalfuturesociety.com/aimee-van-wynsberghe-governments-must-create-a-context-which-forces-technology-companies-to-take-ethics-seriously/>

“AI is the new Nuclear Energy”, Interview with Aimee van Wynsberghe. In the *Future of Business Magazine*, March 2019. <https://executive-people.nl/620233/lsquo-ai-is-de-nieuwe-kernenergie-rsquo.html>

“Can we Teach Machines a Code of Ethics?”, Interview with Aimee van Wynsberghe. In *Forbes Insights*, March 2019. <https://www.forbes.com/sites/insights-intelai/2019/03/27/can-we-teach-machines-a-code-of-ethics/>

“Robotuitdager”, Profile of Aimee van Wynsberghe. In *De Ingenieur*. Jan 2019.

Burbidge, M. (2018, August 02). Ethics, robotics and AI: Where do the three meet? Retrieved from <https://www.itweb.co.za/content/8OKdWqDEp12vbznQ/p6GxRKMYDa7b3Wjr>

Doyle, K. (2018, July 04). Alongside AI's benefits, there are also risks. Retrieved from <https://www.itweb.co.za/content/mYZRXv9PDErqOgA8>

Ricci, A. D. (2018, June 21). L'Ue sta portando avanti un piano sull'intelligenza artificiale, ma in Italia nessuno ne parla. Retrieved from <http://www.linkiesta.it/it/article/2018/06/21/lue-sta-portando-avanti-un-piano-sullintelligenza-artificiale-ma-in-it/38525/>

Boogert, E. (2017, June 19). Europese Commissie benoemt denktank AI. Retrieved from <https://www.emerce.nl/nieuws/europese-commissie-benoemt-denktank-ai>

Drone technology may radically alter human society: Report. (2017, June 8). Retrieved from <https://www.theweek.in/news/sci-tech/2018/06/08/Drone-technology-may-radically-alter-human-society-Report.html>

Adler, S. (2018, June 1). The bottom line of ethics and governance in AI. Retrieved from <https://www.aiaa.net/artificial-intelligence/news/the-bottom-line-of-ethics-and-governance-in-ai>

International AI expert Aimee van Wynsberghe to headline ITWeb Artificial Intelligence 2018. (2018, April 23). Retrieved from <http://pressoffice.mg.co.za/ITWeb/PressRelease.php?StoryID=282859#author>

Doyle, K. (2018, April 19). World expert for ITWeb Artificial Intelligence 2018. Retrieved from <https://www.itweb.co.za/content/KWEBB7yalR17mRjO>

Tener sexo con robots, una práctica con defensores y detractores. (2018, March 22). Retrieved from https://tn.com.ar/salud/lo-ultimo/tener-sexo-con-robots-una-practica-con-defensores-y-detractores_858139

Veciana-Suarez, A. (2018, January 29). Humans and robots on the verge of getting romantically involved. Retrieved from <https://www.miamiherald.com/living/liv-columns-blogs/ana-veciana-suarez/article197170074.html>

Cosimi, S. (2018, January 26). Se i robot faranno sesso con noi. Ecco Solana, la bambola che cambia volto e personalità. Retrieved from http://www.repubblica.it/tecnologia/2018/01/25/news/se_i_robot_faranno_sesso_con_noi_e_cco_solana_la_bambola_che_cambia_volto_e_personalita_-187271418/

McCool, A. (2018, January 9). Robot Ethics, Robot Equality. Retrieved from <https://raddingtonreport.com/robot-ethics-robot-equality/>

Weston, P. F. (2018, January 05). Sex robots could make MEN obsolete as women of the future get wooed by 'dashing menbots' who will also do the housework, Harvard mathematician claims. Retrieved from <http://www.dailymail.co.uk/sciencetech/article-5238357/Sex-robots-make-MEN-obsolete.html>

Mira, M. (2018, January 1). Tíz éven belül robotokkal szexelhetünk: Veszélyesebb lesz, mint hinnénk. Retrieved from <https://femina.hu/terasz/szex-robotok/>

Heffernan, S. (2017, November 26). The Invasion of the Sexbots. Retrieved from <http://www.livetradingnews.com/the-invasion-of-the-sexbots-63320.html#.WxZThUiFNPY>

Emmons, L. (2017, November 08). Indulging Your Darkest Desires With A Sex Doll Will Not Protect Anyone, Including Yourself. Retrieved from <http://thefederalist.com/2017/11/08/indulging-darkest-desires-sex-doll-will-not-protect-anyone-including/>

Oliveira, P. (2017, November 7). Web Summit: Os robôs também têm direitos? Retrieved from <http://exameinformatica.sapo.pt/noticias/mercados/2017-11-07-Web-Summit-os-robos-tambem-tem-direitos->

Keay, A., Siegel, H., & Hauert, S. (2017, October 10). 25 women in robotics you need to know about – 2017. Retrieved from <http://robohub.org/25-women-in-robotics-you-need-to-know-about-2017/>

100 Women: Whos going to lose out from automation? (2017, October 6). Retrieved from <http://www.bbc.com/news/world-us-canada-41286697>

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