

Aimee van Wynsberghe
Curriculum Vitae

Department of Philosophy
Technical University of Delft
Jaffalaan 5, 2628 BX, Delft, NL
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Employment:

Asst Professor (Tenure Track), Technical University of Delft	2017- present
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, Applied Ethics, Care Ethics, Value Sensitive Design

Education:

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

Professional Organizations:

European Commission High Level Expert Group on AI, *Rapporteur for Values and Principles working group* - 2018 - Present
Foundation for Responsible Robotics, *President & Co-Founder*, 2015 – Present
(responsiblerobotics.org)
Institute for Accountability and Internet Democracy, *Board of Directors*, 2017 – Present
(aidinstitute.org)
Netherlands Alliance for AI (ALLAI), *Board of Directors*, 2018 – Present
XPRIZE, *Advisory Board*, 2018 - Present
4TU Robotics Task Force, *Coordinator*, 2014- 2018
Journal for Frontiers in Robotics and AI, *Editorial Committee member*, 2016-Present
Robohub, *Expert member*, 2017-Present
AI and Intelligent Automation, *Advisory Board*, 2017- 2018

Books:

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

Selected Publications (first author)

Citations: 541 | H-Index: 13

- “Critiquing the Reasons for Artificial Moral Agents”, *Science and Engineering Ethics*. (2018) DOI <https://doi.org/10.1007/s11948-018-0030-8>.
- “The Dawning of the Ethics of Environmental Robots”, *Science and Engineering Ethics*. (2017, Online First). DOI: <https://doi.org/10.1007/s11948-017-9990-3>
- “Service Robots, Care Ethics, and Design”, *Ethics and Information Technology* 18(4) (2016) DOI: <https://doi.org/10.1007/s10676-016-9409-x>
- “Civilising Drones by Design” in Ezio Di Nucci and Filippo Santoni de Sio (eds.), *Drones and Responsibility*. Ashgate Publishers, 2015. (with Nagenborg, M.)
- “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.
- “The Leadership Role of the Ethicist: balancing between the Authoritative and the Passive,” *Technoethics* 5(2) (2014): 11-21.
- “Ethicist as Designer: a pragmatic approach to ethics in the lab,” *Science and Engineering Ethics* 20 (4) (2014): 947-61. DOI: 10.1007/s11948-013-9498-4
- “A Method for Integrating Ethics into the Design Process of Robots,” *Industrial Robot* 40(5) (2013): 433 - 440.
- “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>
- “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.
- “Telepsychiatry and the meaning of in-person contact: an ethical appraisal,” *International Journal of Medicine, Philosophy and Healthcare* 12(4) (2009): 469-76. (with Gastmans, C.)
- “Telesurgery: an Ethical Appraisal. *Journal of Medical Ethics*,” 34 (2008):e22. (with Gastmans, C.) DOI: <http://dx.doi.org/10.1136/jme.2007.023952>

Invited Addresses (Selected):

- “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.

Awards and Distinctions:

L’Oreal-Unesco Women in Science Laureate, 25,000 Euros	2018
British Academy Small Research Grant, 9000 GBP	2018
One of Robohub’s <i>Women to Know in Robotics</i>	2017
Techionista <i>Women in Tech</i> award (nominated)	2017
NWO <i>Veni Personal Research Grant</i> , 250.000 Euros	2015
UTwente <i>Female Incentive Fund Scholarship</i>	2015
<i>Viva 400</i> , Nominated as a “Clever Head”	2015
<i>Georges Giralt Award for Best PhD thesis in Robotics</i> (nominated)	2012
<i>PhD Carousel Award</i> , Centre for Telematics and Information Technology	2011

Interviews

European Commission Digital Day 2019

<https://www.youtube.com/watch?v=UwYxwviAtHo&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

Interview with the *Holland Herald* (the KLM on board magazine seen by more than 2.9 million people a month!), forthcoming in Aug 2019 Issue.

“AI is the new Nuclear Energy”, Interview with Aimee van Wynsberghe. In the *Future of Business Magazine*, March 2019. <https://executive-people.nl/620233/lquo-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/KWEBBb7yalR17mRjO>

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>

Pettit, H. (2017, September 11). Hackers could order sex robots to kill their human lovers. Retrieved from <http://www.dailymail.co.uk/sciencetech/article-4873206/Hackers-order-sex-robots-kill-human-lovers.html>

Mattin, D. (2017, September 10). Welcome to Augmented Modernity. Retrieved from <https://shift.newco.co/welcome-to-augmented-modernity-3881b63c8eb5>

Howard, K. (2017, September 08). What Did Cherry 2000 Get Right About 2017? Retrieved from <http://www.denofgeek.com/us/movies/cherry-2000/267458/what-did-cherry-2000-get-right-about-2017>

Hill, M., & Collins, D. (2017, August 29). Brothel reveals how business is booming after bringing in a realistic sex robot. Retrieved from <https://www.thesun.co.uk/news/4348776/brothel-dublin-sex-robot-doll-passion-dolly/>

El futuro ya está aquí: La industria de los robots sexuales sube a un nuevo nivel. (2017, August 16). Retrieved from <https://mundo.sputniknews.com/tecnologia/201708161071610775-muncas-sexo-robotica-tecnologia/>

Werber, C. (2017, August 11). Humans and robots are on the cusp of a sexual intimacy we may never reverse. Retrieved from <https://qz.com/1049138/sex-with-robots-is-on-the-cusp-of-becoming-a-worrying-reality-warns-a-robot-ethicist/>

Thorpe, J. (2017, August 9). Should We Be Worried About Sex Robots? Retrieved from <https://www.bustle.com/p/should-we-be-worried-about-sex-robots-69424>

Overgoor, R. (2017, July 25). Aimee van Wynsberghe (Foundation for Responsible Robotics): "Ethiek hoeft innovatie niet te remmen". Retrieved from <https://www.marketingfacts.nl/berichten/aimee-van-wynsberghe-foundation-for-responsible-robotics-ethiek-hoeft-innov>

Robotonderzoeker Aimee van Wynsberghe: 'Een goed ontwerp houdt rekening met ethiek'. (2017, July 24). Retrieved from <https://www.sprout.nl/artikel/sprout-tv/robotonderzoeker-aimee-van-wynsberghe-een-goed-ontwerp-houdt-rekening-met-ethiek>

Mulholland, A. (2017, July 20). The future is coming: Will sex robots open a door to darker human urges? Retrieved from <https://www.ctvnews.ca/lifestyle/the-future-is-coming-will-sex-robots-open-a-door-to-darker-human-urges-1.3511496>

Surugue, L. (2017, July 12). How sex robots could help heal society. Retrieved from <https://www.ibtimes.co.uk/how-sex-robots-could-help-heal-society-1630043>

Hill, M. (2017, July 09). Dublin brothel rents out 32E SEX DOLL for £80 an hour...and 'Passion Dolly' gets scores of visitors every week. Retrieved from <https://www.thesun.co.uk/living/3979975/dublin-brothel-rents-out-32e-sex-doll/>

DiManno, R. (2017, July 06). Sex robots trigger debate about gender and sexism. Retrieved from <https://www.thestar.com/news/gta/2017/07/06/sex-robots-trigger-debate-about-gender-and-sexism-dimanno.html>

Neyt, G. (2017, July 06). Seksrobots: Nieuwe kansen maar ook gevaren. Retrieved from http://www.standaard.be/cnt/dmf20170706_02959596

Siddique, H. (2017, July 05). Sex robots promise 'revolutionary' service but also risks, says study. Retrieved from <https://www.theguardian.com/technology/2017/jul/05/sex-robots-promise-revolutionary-service-but-also-risks-says-study>

섹스로봇 부작용 매우 심각. (2017, July 5). Retrieved from <https://www.sciencetimes.co.kr/?news=섹스로봇-부작용-매우-심각>

Onderzoek: 'Seksrobots kunnen zorgen voor revolutie'. (2017, July 5). Retrieved from <https://www.rtlnieuws.nl/geld-en-werk/onderzoek-seksrobots-kunnen-zorgen-voor-revolutie>

Furness, D. (2017, July 05). New report explores the good, the bad, and the ugly about sex robots. Retrieved from <https://www.digitaltrends.com/cool-tech/sex-robots-report/>

O'Callaghan, L. (2017, July 05). Sex robots are FUTURE of intimacy claims study - but experts issue WARNING over technology. Retrieved from <https://www.express.co.uk/life-style/life/824934/sex-robots-dolls-report>

Noel, S., & Van Wynsberghe, A. (2017, March 10). Comment: Will robots take our rights, our jobs and our dignity? – The Engineer. Retrieved from <https://www.theengineer.co.uk/comment-will-robots-take-our-rights-our-jobs-and-our-dignity/>

Noel, S., & Van Wynsberghe, A. (2017, January 30). Do we need robot laws? Retrieved from <https://www.prospectmagazine.co.uk/britishacademy/do-we-need-robot-laws>

2050: Probabilmente sarà possibile sposare un robot Caltanissetta notizie, cronaca, attualità - Il Fatto Nisseno (2017, January 01). Retrieved from <http://www.ilfattoNisseno.it/2017/01/2050-probabilmente-sara-possibile-sposare-un-robot/>

Considering robot care, ethics & future tech at #ERW2016 European Robotics Week. (2016, November 29). Retrieved from <http://robohub.org/considering-robot-care-ethics-future-tech-at-erw2016-european-robotics-week/>

Higginbotham, S. (2015, December 11). Elon Musk, Amazon Create Artificial Intelligence Research Center. Retrieved from <http://fortune.com/2015/12/11/open-ai/>