Minha Lee

Current position

August Assistant Professor, Eindhoven University of Technology (TU/e), Eindhoven, 2020–Now Future Everyday: Industrial Design.

July **Affiliated researcher**, Centrum Wiskunde and Informatica (CWI), Amsterdam, 2022–Now Distributed and Interactive Systems.

Educational Background

May 2016- Ph.D., Eindhoven University of Technology, Eindhoven, Human-Technology August 2020 Interaction. Topic: Morally relevant interactions with technological agents. Supervised by Wijnand IJsselsteijn, Yvonne de Kort, and Lily Frank. Sept. Research Visit, University of Southern California, Los Angeles, Institute of 2018-Dec. Creative Technologies. 2018 Topic: Strategic Emotions. Supervised by Jonathan Gratch. Aug. M.Sc. in Information Science: Human Centered Multimedia, University of 2012-Aug. Amsterdam, Amsterdam. 2013* Main subjects: Intelligent interactive systems, knowledge engineering, internet information, mobile systems, big data (thesis at Hewlett-Packard NL) Aug. B.F.A. in Digital Arts with a minor in Art History, Pratt Institute, Brooklyn. 2008–June Main subjects: Visual narrative, digital animation, programming for animators, 3D 2011 printing Aug. B.A. in Philosophy, University of Minnesota, Twin cities, Minneapolis. 2007–Aug. Main subjects: Ancient Greek philosophy, analytic philosophy, aesthetics 2008*

*Graduated in a year due to con-current college and high school enrollment through Minnesota's Post-Secondary Education Option (PSEO).

Industry Experience

Nov. 2015 –Feb. 2016	Freelance Growth Hacker, Teach 'n Go, EdTech startup, Remote.
Nov. 2014–Sept. 2015	Growth Analyst, Zazzy, 3D printed Jewelry startup, Amsterdam.
Dec. 2013–Oct. 2014	Data Strategist, Samsung, Cheil Benelux, Delft and Amsterdam.
Aug. 2013–Nov.	Marketing Consultant, Museumtickets.nl, Tourism startup, Amsterdam.

2013

Publications

Ruitenburg, Y., Lee, M., Markopoulos, P., and IJsselsteijn, W. (2024). Evolving Presentation of Self: The Influence of Dementia Communication Challenges on Everyday Interactions. Proceedings of the 2024 CHI Conference on Human Factors in Computing Systems (CHI '24). ACM, 11-16 May 2024, Honolulu, Hawaii

- Khot, R., Lee, M., Brankaert, R., and IJsselsteijn, W. (2024). Beyond the Clock: Rethinking Time in Technologies for People with Dementia. Proceedings of the 2024 CHI Conference on Human Factors in Computing Systems (CHI '24). ACM, 11-16 May 2024, Honolulu, Hawaii
- Wester, J., Lee, M., and Van Berkel, N. (2023, July). Moral transparency as a mitigator of moral bias in conversational user interfaces. In Proceedings of the 5th International Conference on Conversational User Interfaces (pp. 1-6).
- Bennett, C. C., and **Lee**, M. (2023, July). Would People Mumble Rap to Alexa? In Proceedings of the 5th International Conference on Conversational User Interfaces (pp. 1-5).
- Ruitenburg, Y., Brankaert, R., Houben, M., Lee, M., and Pasman, G. (2023, April). Happje: Stimulating Collaborative Cooking for People with Dementia. In Extended Abstracts of the 2023 CHI Conference on Human Factors in Computing Systems (pp. 1-9).
- Ooms, S., Lee, M., Cesar, P., and El Ali, A. (2023, April). FeelTheNews: Augmenting Affective Perceptions of News Videos with Thermal and Vibrotactile Stimulation. In Extended Abstracts of the 2023 CHI Conference on Human Factors in Computing Systems (pp. 1-8).
- Lee, M., Ruijten, P., Frank, L., and IJsselsteijn, W. (2023, August). Here's Looking at You, Robot: The Transparency Conundrum in HRI. In 2023 32nd IEEE International Conference on Robot and Human Interactive Communication (RO-MAN) (pp. 2120-2127). IEEE.
- Lee, M., Contreras Alejandro, J., and IJsselsteijn, W. (2023). Cultivating Gratitude with a Chatbot. International Journal of Human–Computer Interaction, 1-16.
- Lee, M., Frank, L.E., de Kort, Y. and IJsselsteijn, W.A. (2022). Where is Vincent? Expanding our emotional selves with Al. In4th Conference on Conversational User Interfaces (CUI 2022), July 26–28, 2022, Glasgow, United Kingdom. *Best paper award*
- Lee, M. and Contreras, J. (2022). Flourishing with Moral Emotions through Conversational Agents. In *Human Flourishing A Multidisciplinary Perspective on Neuroscience, Health, Organizations and Arts.* Edited by Marc Grau Grau, Mireialas Heras, and Yasin Rofcanin. Springer open access.
- Kumar, Neha, Julie Adams, Bill Buxton, Linda Candy, Pablo Cesar, Leigh Clark, Benjamin Cowan et al. "From 1983 to 2022: A Chronology of SIGCHI Conferences". Interactions 29, 6 (November - December 2022), 34–41.
- Maeyer, C.D. and **Lee**, M. (2022). "I feel you". In HCSE Conference on Human-Centered Software Engineering, (HCSE '22), Eindhoven, the Netherlands.
- Maeyer, C.D. and Lee, M. (2022). Democratizing health Digital Twin in healthcare for citizens. In Weizenbaum Conference on Practicing Sovereignty: Interventions for Open Digital Futures, Berlin, Germany.
- Bleakley, A., Rough, D., Roper, A., Lindsay, S., Porcheron, M., Lee, M., Nicholson, S., Cowan, B., and Clark, L. 2022. Exploring Smart Speaker User Experience for People Who Stammer. In The 24th International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS '22), October 23–26, 2022, Athens, Greece.
- Porcheron, M., Lee, M., Nesset, B., Guribye, F., van der Goot, M., K Moore, R., ... and Følstad, A. (2022). Definition, conceptualisation and measurement of trust. Dagstuhl Reports, 11(8), 101-105.
- Zaga, C., Lupetti, M. L., Cila, N., Lee, M., Huisman, G., and Fosch Villaronga, E. (2022). Diversity Equity and Inclusion in Embodied AI: Reflecting on and Re-imagining our Future with Embodied AI. Design Engineering: Digital Society Institute.
- Lee, M., Lucas, G., and Gratch, J. (2021). Comparing mind perception in strategic exchanges: Human-agent negotiation, dictator and ultimatum games. Journal of Multimodal User Interfaces.
- Lee Kolkmeier, J., Heylen, D., and IJsselsteijn, W.A. (2021) Who makes your heart beat? What makes you sweat? Social conflict in virtual reality for educators. Frontiers in Psychology: Human-Media Interaction.
- Lee, M., Frank, L.E., and IJsselsteijn, W.A. (2021). A cryptocurrency chatbot in the socialtechnical gap of trust. Journal of Computer Supported Cooperative Work.
- Lee, M., Noortman, R., Zaga, C., Starke, A., Huisman, G., and Andersen, K. (2021). Conversational futures: Emancipating conversational interactions for futures worth wanting. Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems (CHI

⁽²¹⁾. ACM, 8-13 May 2021, Yokohama, Japan (Online Virtual Conference).

- Lee, M., P.A.M. Ruijten, Frank, L.E., de Kort, Y.A.W., and IJsselsteijn, W.A. (2021). People may punish, not blame, robots. Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems (CHI '21). ACM, 8-13 May 2021, Yokohama, Japan (Online Virtual Conference).
- Lee, M. (2020, July). Speech acts redux: Beyond request-response interactions. Proceedings of the 2nd Conference on Conversational User Interfaces (CUI '20), July 22–24, 2020, Bilbao, Spain.
- Lee, M., Lucas, G., Mell, J., Johnson, E., and Gratch, J. (2019). What's on Your Virtual Mind? Mind Perception in Human-Agent Negotiations. Proceedings of the 19th International Conference on Intelligent Virtual Agents (IVA '19). ACM, 2-5 July 2019, Paris, France
- Lee, M., Ackermans S., van As., N, Chang, H., Lucas, E., and IJsselsteijn, W.A. (2019). Caring for Vincent: A Chatbot for Self-Compassion. Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems (CHI '19). ACM, 4-9 May 2019, Glasgow, Scotland
- Lee, M. and IJsselsteijn, W.A. (2019) "Be Proud of the Bot that You Are!": From a Chatbot Therapist to a Chatbot Patient. Extended Abstracts of the 2019 CHI Conference on Human Factors in Computing Systems (CHI '19). ACM, 4-9 May 2019, Glasgow, Scotland.
- Lee, M., Frank, L.E., and IJsselsteijn, W.A. (2019) Exploring Compassion through HCI. Extended Abstracts of the 2019 CHI Conference on Human Factors in Computing Systems (CHI '19). ACM, 4-9 May 2019, Glasgow, Scotland.
- Heron, L*., Kim, J*., Lee, M*., El Haddad*, K., Dupont, S., Dutoit, T., and Truong, K. (2018, May). A dyadic conversation dataset on moral emotions. Proceedings of the 13th IEEE International Conference on Automatic Face & Gesture Recognition (FG '18). IEEE, 15-19 May 2018, Xi'an, China (*Contributed equally).
- Lee, M., Kim, J., Truong, K., de Kort, Y.A.W., Beute, F. and IJsselsteijn, W.A. (2017). Exploring moral conflicts in speech: Multidisciplinary analysis of affect and stress. Seventh International Conference on Affective Computing and Intelligent Interaction, 23-26 October 2017, San Antonio, Texas.
- Lee, M., Frank, L.E., Beute, F., de Kort, Y.A.W. and IJsselsteijn, W.A. (2017). Bots mind the social-technical gap. Proceedings of 15th European Conference on Computer-Supported Cooperative Work, 28 August - 1 September 2017, Sheffield, United Kingdom.
- Kolkmeier, J., Lee, M. and Heylen, D. (2017). Gaze and moral conflicts in VR : university employees address grade disputes with a virtual trainer. Proceedings of the 17th International Conference on Intelligent Virtual Agents, 27-30 August 2017, Stockholm, Sweden.
- Lopez, A., Ratni, A., Trong, T.N., Olaso, J.M., Montenegro, S., Lee, M., Haider, F., Schlogl, S., Chollet, G., Jokinen, K., Petrovska-Delacretaz, D., Sansen, H. and Torres, M.I. (2016). Lifeline dialogues with Roberta. Proceedings of the FETLT 2nd International Workshop on Future and Emerging Trends in Language Technologies, Machine Learning and Big Data, 30 November 2 December 2016, Seville, Spain. Dordrecht: Springer.
- Lee, M., Schlogl, S., Montenegro, S., Lopez, A., Trong, T.N., Olaso, J.M., Haider, F., Chollet, G., Jokinen, K., Petrovska-Delacretaz, D., Sansen, H. and Torres, M.I. (2017). First time encounters with Roberta: A humanoid assistant for conversational autobiography creation. CTIT Proceedings of the University of Twente.
 - * Papers under review are available upon request.

Conferences, workshops, and courses organized

- Desai, S., Wei, C., Sin, J., Dubiel, M., Zargham, N., Ahire, S., ... and Cowan, B. R. (2024). CUI@ CHI 2024: Building Trust in CUIs-From Design to Deployment. In Extended Abstracts of the 2024 CHI Conference on Human Factors in Computing Systems (pp. 1-5).
- Lee, M., Porcheron, M., C., Munteanu, Trippas, J., and Völkel, S. 2023. Proceedings of the 5th International Conference on Conversational User Interfaces. Association for Computing Machinery, New York, NY, USA.
- McMillan, D., Jaber, R., Cowan, B. R., Fischer, J. E., Irfan, B., Cumbal, R., ... and **Lee**, M. (2023, March). Human-Robot Conversational Interaction (HRCI). In Companion of the

2023 ACM/IEEE International Conference on Human-Robot Interaction (pp. 923-925).

- Houben, M., Van As, N., Sawhney, N., Unbehaun, D., and Lee, M. (2023, July). Participatory Design for Whom? Designing Conversational User Interfaces for Sensitive Settings and Vulnerable Populations. In Proceedings of the 5th International Conference on Conversational User Interfaces (pp. 1-4).
- Sin, J., Candello, H., Clark, L., Cowan, B. R., Lee, M., Munteanu, C., ... and Lazar, A. (2023, April). CUI@ CHI: Inclusive Design of CUIs Across Modalities and Mobilities. In Extended Abstracts of the 2023 CHI Conference on Human Factors in Computing Systems (pp. 1-5).
- Kuksenok, K., De Maeyer, C., and Lee, M. (2023). Drawing as a Facilitator of Critical Data Discourse: Reflecting on Problems with Digital Health Data Through Expressive Visualizations of the Unseen Body Landscape. In Weizenbaum Conference: Practicing Sovereignty Interventions for Open Digital Futures (pp. 131-141). DEU.
- Lee, M., Sin, J., Laban, G., Kraus, M., Clark, L., Porcheron, M., ... and Candello, H. (2022, April). Ethics of Conversational User Interfaces. In CHI Conference on Human Factors in Computing Systems Extended Abstracts. (CHI '22). ACM, April 30 - 5 May 2022, New Orleans, LA.
- Lee, M., Leal, D. D. C., Krüger, M., Strohmayer, A., and Zaga, C. (2021). Activated: Decentering activism in and with academia. In Companion Publication of the 2021 Conference on Computer Supported Cooperative Work and Social Computing (Online Virtual Conference).
- Laban, G., Le Maguer, S., Lee, M., Kontogiorgos, D., Reig, S., Torre, I., Tejwani, R., Dennis, M. J. and Pereira, A. (2022) Robo-Identity: Exploring Artificial Identity and Emotion via Speech Interactions. In 2022 ACM/IEEE International Conference on Human-Robot Interaction (HRI '22), Sapporo, Japan, 07-10 Mar 2022, pp. 1265-1268.
- Doyle, P. R., Rough, D. J., Edwards, J., Cowan, B. R., Clark, L., Porcheron, M., ... and Candello, H. (2021, April). CUI@ IUI: Theoretical and methodological challenges in intelligent conversational user interface interactions. In 26th International Conference on Intelligent User Interfaces-Companion (pp. 12-14).
- Porcheron, M., Clark, L., Jones, M., Candellö, H., Cowan, B. R., Murad, C., ... and Kaye, J. (2020, October). CUI@ CSCW: Collaborating through Conversational User Interfaces. In Conference Companion Publication of the 2020 on Computer Supported Cooperative Work and Social Computing (pp. 483-492).

Grants and awards

- Keynote for the Human-Agent Interaction Network Closing event University of Tubingen
 300 EUR and travel fees. Lee. 2024
- Keynote for the Frames mentoring program for young female academics University of Siegen - 500 EUR and travel fees. Lee. 2024
- Dementia International Expert Group on Interactive Technology (DIGIT) 50,000 EUR. Brankaert, R. Lee, M. Astell, A. Unbehaun, D. Foley, S. Morrissey, K. Cowan, B. Sangiorgi, D. Biamonti, A. Gramegna, S. M. Følstad, A. McMillan, D. 2023
- Eindhoven Engine Warm Eindhoven Care Assistance and Responsible Engineering (WECARE) 486,667 EUR. Lee, M. and Brankaert, R. 2022
- Alzheimer Nederland Personal Grant Compassionate Conversations: Enhancing the Quality of Life with a Conversational Agent for Dementia Care - 299,498.25 EUR. Lee, M. 2022
- 4TU.NIRICT Diversity, Equity and Inclusion (DEI) funding scheme: Promoting inclusive development of embodied AI in the 4TU - 13,500 EUR. Zaga, C., Cila, N., Lupetti, M.L., Lee, M., Huisman, G. 2021
- TU/e Diversity Fund project: PLURAL for promoting diversity and inclusivity at TU/e 5,000 EUR. Lee, M. and Tur, E. M. 2021
- Seed Fund: Empowering Consumers through Intelligible Contracts in the New Energy Era - 50,000 EUR Baaij, J., Lee, M., Van Schagen, E., Starke, A., Yoo, D. 2021
- Seed Fund: Tomorrow's Value Conflicts 50,000 EUR. Dennis, M., Frank, L. E., **Lee**, M., Blok, V., Kraaijeveld, S., Nyholm, S., Zhang, C. 2022
- Margins conference: Speaker on compassion. Travel grant 300 GBP. Lee, M. 2019

- Intelligent Virtual Agents conference: Student travel grant 950 USD. Lee, M. 2019
- Conversational User Interface conference: Student travel grant 500 EUR. Lee, M. 2019
- Turing Institute workshop on Responsible Human Machine Teaming: travel grant 150 GBP. Lee, M. 2019
- Dagstuhl seminar on Software engineering and bots: Invitation and travel grant 450 EUR. Lee, M. 2019
- Excellence in Academic Achievement Award. Pratt Institute. Lee, M. 2011
- Barrett Endowed Scholar: Teaching Assistant. Pratt Institute 2,000 USD. Lee, M. 2010-2011
- Pratt Institute Merit Scholarship 40,000 USD. Lee, M. 2008-2011

Lectures and invited talks

- In person Exploring Moral Implications of Collaborative Mind Perception University College London. 2024
- In person Exploring Moral Implications of Collaborative Mind Perception University of Tubingen. 2024
- In person How does AI see us? From Collaborative Mind Perception to Design Justice -University of Siegen. 2024
- In person Collaborative Mind Perception for the symposium on Digitalising Genetic Counselling – University of Utrecht. 2024
- In person lecture on Ethics, moral mirror, and Vincent- User Experience Design course -Tilburg University. 2022
- Online Mind perception and compassion Ethics of Technology Early-career Group -University of Vienna. 2022
- Online Compassionate Conversations CWI Amsterdam. 2022
- Online Centre for Unusual Collaborations on Interdisciplinary Research. 2022
- Online Collaborative Mind Perception Keynote at the Brazillian Software Development Conference. 2022
- In person Second order Emotions Design Fest Ghent. 2022
- Online Second order Emotions HCI group University College Dublin. 2022
- In person on emotions and robots Eindhoven MU Art Space. 2021
- Online Second order Emotions University of Twente (NL) "Philosophy of Human-Technology Relations" - Philosophy department at the University of Twente. 2021
- Online -Interactional Morality- Bristol University (UK). 2021
- Online Autonomous Cars and AI Sunmoon University (Korea). 2021
- Online Second order Emotions University of Siegen (Germany). 2020

Press and Media

- Article: How chatbots could train our mental condition TechXplore Sept. 14th, 2021.
- Podcast: The Anomalous Mind Episode 2: Minha Lee Anomalous Mind Podcast Sept. 2nd, 2021.
- TV appearance: Erik Scherder onderzoekt Gedeelde smart is halve smart NPO2 Feb. 4th, 2021.
- Interview: Al as a Free Space for Personal Exploration Athena Jones Jan. 11th, 2021.

Committees and leadership

- ID Transdisciplinary Research and Design Cluster lead. 2023-2024
- ID Faculty committee. 2022 onward
- TU/e Diversity and Inclusion committee. 2022-2023
- Conversational User Interface conference: General co-chair. 2023
- Conversational User Interface conference: Steering committee co-chair. 2023 onward
- CHI Social Justice Event co-chair. 2022
- DIS Diversity and Inclusion Award co-chair. 2021-2022
- Conversational User Interface conference: Full papers co-chair. 2021
- Conversational User Interface conference: Provocation papers co-chair. 2020
- Blockchain and cryptocurrency meetups in Eindhoven: Co-organizer and speaker.

2018-onward

- Writing retreat for PhD students in the 4TU network: Organizer. 2017
- Morality as Cooperation symposium at TU/e: Co-organizer. 2017
- PhD School for the 4TU network (Technical universities of the Netherlands): Co-organizer. 2016
- President of DIGIT, a digital arts club at Pratt Institute. 2010-2011

Reviewing experience

TOCHI, CHI, DIS, IJHCI, OzCHI, TEI, CSCW, ECSCW, IMWUT (PACM on Interactive, Mobile, Wearable and Ubiquitous Technologies), DRS, Frontiers in Psychology, section Human-Media Interaction, Empirical Software Engineering.

Supervision

- Ph.D. researchers:

- Christel De Maeyer Digital Twins and Personal Health Informatics. Expected to graduate in 2024.
- Yvon Ruitenburg Compassionate Conversations for Dementia Care. Started on May 1st, 2022.
- · Rucha Khot Warm Technology and Human-Robot Interaction. Started on Oct. 1st, 2022.
- · Gizem Oktay Temporalities of More-than-Human Care. Started on Oct. 1st, 2022.
- · Yuhui Xu Aesthetics of Intelligence in Things. Started on Sept. 1st, 2022.

- M.Sc. students:

- Sietse Nijman Comparing animal and human voice agents: Exploring the implementation of conversational agents for people with dementia. Graduated in 2023
- Simone Ooms Designing and Evaluating Haptic Avatar Biosignals for Social Virtual Reality. Graduated in 2023.
- · Charlotte Bording Exploring shape-change for sustainability inspired by ecosystems. Graduated in 2023.
- · Isabel Blijenburg Co-designing a chatbot that helps international students deal with acculturative stress. Graduated in 2022.
- · Jessica Contreras Alejandro Sharing and Promotion: Gratitude with a Chatbot. Graduated in 2022
- · Charlaine Janssen Leveraging service design for social entrepreneurship: towards an accessible approach for consistent customer experience. Graduated in 2022.
- Anika Kok Capturing serendipity: Reflection through photo elicitation. Graduated in 2022.
- Tako Forsten Exploring the Role of Chatbots' Emotional Display and Anthropomorphism in Increasing Self-compassion. Graduated in 2022.
- Pranav Muppirishetty Investigating the effect on Self-Compassion due to multiple short-term interactions with a gender-ambiguous Voice User Interface that provides or asks for care. Graduated in 2021.
- Nena van As A brief encounter with Vincent: the effect on self-compassion from a single interaction with a chatbot that gives or asks for help

- B.Sc. students:

- Timon Adriaanssen Needle: An exploration of filter bubbles, artificial serendipity, and the relationship we have with algorithms. Graduated in 2022.
- Daan Rozinga Whitespace: an explorative inquiry into value-sensitive design and postphenomenology. Graduated in 2022. Bachelor thesis award ID nominee for TU/e.
- · Lisa Frissel Eye to I. Graduated in 2021.
- Edwin Loedeman The effect of exposure time on one's mental model of a humanoid robot. Graduated in 2020.
- Rachel Roumans The influence of transparency on the constructed mental model of a humanoid robot in human-robot interaction. Graduated in 2020.

- · Farida Mesqi Charlie: A care-based chatbot intervention for depression symptoms. Graduated in 2019.
- · Kaia de Groot Chatbot Charlie: An intervention for self-compassion. Graduated in 2019.
- · Suzanne Blokland A chatbot to reduce loneliness. Graduated in 2019.
- Maria Scholten Professionality versus care: Moral conflict among company doctors in the Netherlands. Graduated in 2018.
- Mahsa Nejatinamin Moral conflict in journalism: In regards to freedom of press. Graduated in 2018.
- Mieke Veerdonk Exploring the link between inferiority in the working place and acting upon moral events. Graduated in 2018.
- · Roxanne Boehlé Morality in government organizations. Graduated in 2018.
- Julia Sialino Moral framing and online persuasion: the influence of gender on moral framing in a social media environment. Graduated in 2018.
- Niek Schwarz Moral framing of a persuasive argument on attitude change in social media. Graduated in 2018.
- · Jana Witjes Moral Stress: Experiencing and Committing Immoral Acts. Graduated in 2017.
- Birgit van der Stigchel The effect of memories of committed immoral acts on stress. Graduated in 2017.
- · Iris Dekkers Moral Stress: Is recalling an experienced immoral act stressful? Graduated in 2017.