

# Katie Winkle

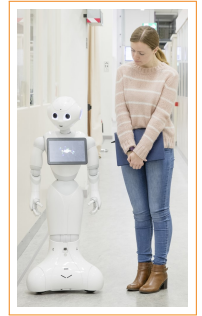
## Curriculum Vitae

Department of Information Technology

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**Mission:** *Delivering trustworthy Human-Robot Interaction (HRI) for positive societal impact.*

**Research Interests:** (Social) Human-Robot Interaction; Robots in Society; Ethical Robotics

### Employment

- Feb 2022 - **Assistant Professor (Biträdande Universitetslektor)**,  
Division of Vi3; Human-Machine Interaction  
Department of Information Technology  
Uppsala Universitet, Uppsala, Sweden.
- 2020 - 2022 **Digital Futures Postdoctoral Research Fellow**, *Individual Fellowship (100% Research)*,  
Division of Robotics, Perception and Learning  
KTH Royal Institute of Technology, Stockholm, Sweden.
- 2019 - 2020 **Research Associate**, *ROBOTIPS Project*,  
Bristol Robotics Laboratory  
University Of the West of England, Bristol, UK.

### University Leadership Roles

- Apr 2023 - **Equal Opportunities Officer (Lika Villkorsombud)**, *Department of Information Technology.*
- Nov 2022 - **Executive Committee (Programberedningen)**, *Uppsala University Psychosocial Care Programme (U-CARE)*, representing computer science and care (datavetenskap och vård).

### Visiting Positions

- Nov 2023 **Invited International Fellow**, *INTERACT! Project (primarily Institute of Philosophy II)*, Ruhr-Universität Bochum, Germany.

### Education

- Sep 2020 **PhD in Robotics and Autonomous Systems**, *Bristol Robotics Laboratory*,  
FARSCOPE Centre for Doctoral Training  
University of Bristol and University of the West of England, Bristol UK  
Awarded unconditionally (no corrections required).
- Jun 2015 **MEng in Mechanical Engineering**, *University of Bristol*, Bristol, UK,  
awarded with First Class Honours.

### Funding

- 2023 - **Creating Robots For Children, With Children**, *Principal Investigator*, Jacobs Foundation  
Research Fellowship CHF 165,000 (SEK 2,000,000).

- 2023 - **Inclusivity in Mutual Learning Between Humans and Machines**, *Principal Investigator*, co-investigator: David Sumpter  
Departmental funding for equal opportunities aspects in IT: SEK 1,700,000.
- 2022 - **Co-Designing a Social Robot Facilitator to Boost Community Engagement with Type 2 Diabetes Prevention**, *Principal Investigator*, co-investigators: Meena Daivadanam and Louise von Essen  
Funded by the Uppsala Diabetes Center: SEK 1,600,000.
- 2020 - 2022 **Digital Futures Postdoctoral Fellowship**, *Principal Investigator*,  
Funded by the Digital Futures Research Centre at KTH: SEK 2,000,000.

## Honors and Awards

- 2023 Community Service Award  
*For outstanding contribution and support in organisation of the 2023 ACM/IEEE International Conference on Human-Robot Interaction*
- 2023 Best Paper Award: Theory and Methods  
ACM/IEEE International Conference on Human-Robot Interaction
- 2023 Best Student Paper Award  
IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN)
- 2021 Top 3 Finalist: Best UK PhD in Robotics Award  
Awarded 3rd Place in Queen Mary University of London National Competition
- 2020 Best Paper Award  
International Conference on Robot Ethics and Standards
- 2019 HRI Pioneer  
*Selected to participate in Human-Robot Interaction (HRI) Pioneers, a highly selective workshop to foster creativity, communication and collaboration between young researchers.*
- 2018 Best Paper Award: Theory and Methods  
ACM/IEEE International Conference on Human-Robot Interaction
- 2018 M H Joseph Prize for Academic Excellence  
British Federation of Women Graduates
- 2016 Undergraduate Visionary Award  
Institution of Mechanical Engineers

## Supervision

### Postdoctoral Researchers

from 10/2023 **Ana Tanevska**, *Uppsala University*,  
Postdoctoral Researcher on the SymAware Project.

### PhD Students

I am main supervisor for the following student(s):

from 08/2022 **Lux Miranda**, PhD in Computer Science with Specialisation in Human-Computer Interaction, Uppsala University, *Co-supervisor: Ginevra Castellano*.

from 09/2022 **Alessio Galatolo**, PhD in Computer Science with Specialisation in Human-Computer Interaction, Uppsala University, *Co-supervisor(s): Meena Daivadanam, Jessica Lindblom, Louise Von Essen*.

I am co-supervisor for the following student(s):

from 04/2022 **Laetitia Tanqueray**, PhD in Technology and Society, Lunds Tekniska Högskola, *Main Supervisor: Stefan Larsson*.

I have also provided supervision on collaborative research visits by the following students:

- Autumn 23 **Joel Wester**, PhD in Human-Computer Interaction, Aalborg University, *Main Supervisor: Niels van Berkel.*
- Autumn 22 **Terran Mott**, PhD in Robotics, Colorado School of Mines, *Main Supervisor: Tom Williams.*
- Spring 22 **Laura Moradbakhti**, PhD in Psychology and Human-Machine Interaction, Linz Institute of Technology, *Main Supervisor: Martina Mara.*
- Summer 21 **Giulia Belgiovine**, PhD in Robotics Brain and Cognitive Sciences, Istituto Italiano di Tecnologia, *Main Supervisor: Alessandra Sciutti.*

## MSc Students

Recent projects supervised at the 2<sup>nd</sup> cycle level:

- 2021 Alessio Galatolo '*Exploring and Incorporating Personality, Social Identity and (In)Congruent Emotions into Robots*'  
Degree Project in Computer Science and Engineering, 30 credits, KTH
- 2020 Ravi Bir '*Implementing Machine Learning Techniques to Improve the Performance of Socially Assistive Robots*'  
Degree Project in Computer Science and Engineering, 30 credits, KTH
- 2019 Ranvir Bhogal '*Defining a Social Robot in a Public Environment*'  
MSc Robotics Dissertation, 60 credits (30 ECTS equiv.), Bristol Robotics Laboratory

## Teaching

### Experience in Full Course Delivery:

- Spring 2023 1MD300 Advanced Interaction Design *Uppsala University* (5 credits; 2<sup>nd</sup> cycle)  
Role: Co-Teacher  
Activities: Lectures, seminars and design workshop sessions  
Extent: Responsible for re-design and assessment of one assignment, supporting all (and leading some) seminar discussions, revising seminar reading materials and assessing student submissions  
Topics: gamification, behaviour change theory and ethics in interaction design  
Number of students: 51
- Spring 2023 1MD300 Social Robotics *Uppsala University* (7.5 credits; 2<sup>nd</sup> cycle)  
Role: Lecturer, Course Responsible  
Activities: Lectures and laboratory sessions  
Extent: Responsible for 50% of the course lectures, design and assessment of assignments  
Topics: verbal, non-verbal and emotions in human-robot interaction, ethics and social impact  
Number of students: 10
- Autumn 2021 DD2413 Social Robotics *KTH Royal Institute of Technology* (7.5 credits; 2<sup>nd</sup> cycle)  
Role: Lecturer, Course Responsible  
Activities: Lectures, laboratory sessions and tutorials  
Extent: Responsible for 50% of the course lectures (covering technical and ethical aspects of social human robot interaction), group project supervision, development of teaching materials and course assessment  
Topics: design methods, perception, technical implementation of robot architectures, social (machine) learning, ethics  
Number of students: approx. 20

2017 - 2018 COMSM4111 Robotic Systems *University of Bristol* (10 credits equiv.; 1<sup>st</sup> cycle)  
 COMSM0012 Robotic Systems PG *University of Bristol* (10 credits equiv.; 2<sup>nd</sup> cycle)  
 Role: Lecturer, Co-Course Responsible  
 Activities: lectures and laboratory sessions  
 Extent: As a lecturer delivering approx. 12 lectures and supervising 18 hours of laboratory sessions over the 12 week academic term, as course responsible recruiting, training and co-ordinating the course TA's, communicating with students, developing the course assessment, grading and analysing student evaluations  
 Topics: stochastic filtering, uncertainty modelling, SLAM, mobile robotics, social robotics  
 Number of students: approx. 100

### **Additional Teaching Experience:**

Autumn 2022 1MD032 Intelligent Interactive Systems *Uppsala University* (5 credits; 2<sup>nd</sup> cycle)  
 Role: Lecturer  
 Extent: Guest lecture on AI ethics  
 Number of students: 15

Autumn 2022 1MD016 Human-Computer Interaction *Uppsala University* (5 credits; 1<sup>st</sup> cycle)  
 Role: Teaching Assistant  
 Extent: managing arrangements for this fully distance/asynchronous course, providing feedback and grading on student submissions, responding to student questions.  
 Number of students: 104

Spring 2021 DT2140 Multimodal Interaction and Interfaces *KTH Royal Institute of Technology* (7.5 credits; 2<sup>nd</sup> cycle)  
 Role: Project Supervisor  
 Extent: I supervised a student-led group research project which resulted in a poster publication at the Persuasive Technology Conference 2021.

Spring 2021 DD3316 Robotics Reading Group *KTH Royal Institute of Technology* (6 credits; 3<sup>rd</sup> cycle)  
 Role: Student Mentor  
 Extent: Participation in a paper reviewing session with two PhD students, providing an exemplar review and giving feedback on their reviews.

2020, 2021 DD2380 Artificial Intelligence *KTH Royal Institute of Technology* (6 credits; 2<sup>nd</sup> cycle)  
 Role: Lecturer  
 Extent: Guest lecture on AI ethics  
 Number of students: 116

2017-2018 AENGM0029 Robotics Research Preparation *University of Bristol* (7.5 credits equiv.; 2<sup>nd</sup> cycle)  
 Role: Teaching Assistant  
 Extent: Leading weekly reading group sessions and assessing student presentations (providing both formative and summative assessment) over the 12 week term  
 Number of students: approx. 20

2016-2017 EMATM0029 Bio-Inspired Artificial Intelligence *University of Bristol* (5 credits equiv.; 2<sup>nd</sup> cycle)  
 Role: Teaching Assistant  
 Extent: Providing online forum assistance with exercise sheets; expert solution preparation  
 Topics: artificial evolution, neural networks, swarm intelligence, and bio-inspired robotics  
 Number of students: approx. 80

2016-2017 EMAT10007 Introduction to Computer Programming *University of Bristol* (5 credits equiv.; 1<sup>st</sup> cycle)  
 Role: Teaching Assistant  
 Extent: Supporting weekly 3 hour laboratory sessions over the 12 week term; standardisation of project marking scheme and assessment of final student projects  
 Topics: SCRATCH, python, programming  
 Number of students: approx. 50

2015-2017 COMSM4111 Robotic Systems *University of Bristol* (10 credits equiv.; 1<sup>st</sup> cycle)  
 COMSM0012 Robotic Systems PG *University of Bristol* (10 credits equiv.; 2<sup>nd</sup> cycle)  
 Role: Teaching Assistant  
 Activities: lectures and laboratory sessions  
 Extent: Supporting weekly 3 hour laboratory sessions over the 12 week term; assessment of final student projects  
 Topics: stochastic filtering, uncertainty modelling, SLAM, mobile robotics, personal robotics  
 Number of students: approx. 100

## Selected Invited Talks

Dec 2023 Invited Talk: Centre for the Advanced Study of Collective Behaviour *Konstanz, Germany*  
 Nov 2023 Panelist: WASP-HS Conference on AI, Humanity and Society *Malmö, Sweden*  
 Oct 2023 Keynote Speaker: Social Categories and Injustice Workshop (Department of Philosophy) *Lund University, Sweden*  
 Oct 2023 Interaction Design Seminar Series *Chalmers University of Technology & University of Gothenburg, Sweden*  
 Mar 2023 Tema Genus (Gender Studies) x Cognitive Science Seminar *Linköping University, Sweden*  
 Dec 2022 Tutorial on Participatory Design: HRI Winterschool on Embodied AI *Ghent, Belgium*  
 Nov 2022 Keynote Speaker: INTERACT! Workshop, Ruhr-Universität Bochum, *Germany*  
 Jun 2022 Keynote Speaker: KTH RPL International Summer School, *Bro, Sweden*  
 May 2022 Plenary Speaker: International Symposium on Use of Humanoid Robot Technology for Therapy, *Greifswald, Germany*  
 Apr 2022 Children and AI Workshop, Cambridge University, *Digital Event*  
 Feb 2022 Responsible AI Seminar, Umeå University, *Digital Event*  
 Jun 2021 HEART Webinar, Softbank Robotics, *Digital Event*  
 Apr 2021 Keynote Speaker: Social BRIDGES e-conference, *Digital Event*  
 Jun 2020 Heriot-Watt University, *Digital Event*  
 Jan 2020 Colorado School of Mines, *Colorado, USA*

## Professional and Pedagogical Development

2022 - Cultural Competence in Computing (3C's Fellow Program) *Duke University*  
 Autumn 2022 Swedish for Academics 2 *Uppsala University*  
 Autumn 2021 Doctoral Supervision *KTH Royal Institute of Technology*  
 2020 - 2022 Swedish A1 and A2 *KTH Royal Institute of Technology*

## Academic Service

### Journal Editorial Roles

2022 - 2023 Guest Editor, International Journal of Social Robotics  
*Special Issue on Embodied Agents For Wellbeing*  
 2022 - 2023 Guest Editor, International Journal of Social Robotics  
*Special Issue on Gender in Robotics*

### Chair Roles in International Conferences

Mar 2024 Student Design Competition Chair  
*International Conference on Human-Robot Interaction*  
 Mar 2023 Local Chair  
*International Conference on Human-Robot Interaction*

- Nov 2020 Workshop Chair  
*International Conference on Social Robotics*
- Mar 2020 General Chair  
*HRI Pioneers Workshop (co-located with the International Conference on Human Robot Interaction)*

### **International Program Committee Service**

- Nov 2023 Program Committee: Theory and Methods Track  
*2024 International Conference on Human-Robot Interaction (HRI)*
- Nov 2022 Program Committee: User Studies Track  
*2023 International Conference on Human-Robot Interaction (HRI)*
- Sep 2021 Senior Program Committee/Area Chair (Studies)  
*International Conference on Affective Computing & Intelligent Interaction (ACII)*

### **Additional Organisation of International Academic Events**

- Aug 2023 Workshop Organiser  
*'BAILAR: Behavior Adaptation and Learning for Assistive Robotics' held jointly with the IEEE International Conference on Robot and Human Interactive Communication (RO-MAN) 2023*
- Mar 2023 Workshop Organiser  
*'Inclusive HRI II: Equity and Diversity in Design, Application, Methods, and Community' held jointly with the International Conference on Human Robot Interaction 2024*
- Oct 2022 Workshop Organiser  
*'Affective Robotics for Well-being' held jointly with the International Conference on Affective Computing and Intelligent Interaction (ACII) 2022*
- Aug 21, 22 Workshop Organiser  
*'GENDERING ROBOTS (GENR): Ongoing (Re)configurations of Gender in Robotics' held jointly with the IEEE International Conference on Robot and Human Interactive Communication (RO-MAN) 2021 and 2022*
- Mar 2021 Panel Co-Chair  
*'Social Robotics and Trustworthy Human-Robot Interaction for Healthcare' at the WASP-HS AI and Healthcare Community Meeting hosted by Umeå University.*
- Nov 2020 Workshop Organiser  
*'Future Digileaders Career Workshop' hosted by KTH Royal Institute of Technology.*
- Nov 2020 Workshop Organiser  
*'Enriching HRI Research with Qualitative Methods' workshop held jointly with the International Conference on Social Robotics*
- Mar 19, 20 Workshop Organiser  
*'What Could go Wrong?' workshop held jointly with the International Conference on Human Robot Interaction*

### **Reviewer for Journal Articles**

International Journal of Social Robotics 2019 - 2023  
 Frontiers in Robotics and AI 2021 - 2023  
 ACM Transactions on Human-Robot Interaction 2018 - 2022  
 ACM Transactions on Computer-Human Interaction 2021 - 2022  
 IEEE Transactions on Transactions on Learning Technologies 2022  
 International Journal of Child-Computer Interaction 2021  
 MDPI Multimodal Technologies and Interaction 2021

### **Reviewer for Conference Proceedings**

ACM/IEEE International Conference on Human-Robot Interaction (HRI) 2018 - 2023  
IEEE International Conference on Robot & Human Interactive Communication (RO-MAN) 2017 - 2023  
Persuasive Technology Conference 2022  
ACM In-Cooperation Conversational User Interfaces (CUI) 2021  
ACM Designing Interactive Systems (DIS) 2021  
Robotics: Science and Systems (RSS) 2020  
ACM International Conference on Multimodal Interaction (ICMI) 2018

### **PhD Committee Member**

Shirley Elprama, Vrije Universiteit Brussel, Belgium  
Terran Mott, Colorado School of Mines, USA

## **Selected Media, Exhibition and Public Engagement Highlights**

- 2023 Interviewed for Dagens Nyheter (Sweden)  
*I was interviewed for the article "Vem kommer du ligga med i framtiden?" (on the future of human-robot relationships) featured in Sweden's popular daily newspaper [Dagens Nyheter](#).*
- 2021 Research on "Feminist Robots" in International Media  
*My work on feminist social robotics has been featured in Swedish popular science magazine [Forskning och Framsteg](#), the German IT news site [heise online](#) and the US based [Slate news](#).*
- Nov 2019 Robot Fitness Coach in International Media  
*The robot fitness coach I developed as a culmination of my PhD studies was filmed for on the BBC's weekly, national technology show [BBC Click](#) and was also featured on televised (BBC, ITV, Sky News), print and online news, nationally and internationally (see e.g. [Irish Independent](#) and [Sky News Australia](#)).*
- Apr 2019 Regent Street Cinema, London  
*Invited panelist for discussion on robots and society following a screening of Blade Runner.*
- Feb 2018 EPSRC Science for a Successful Nation Showcase  
*The therapy coach Pepper robot demonstrator I developed during my PhD was chosen as exemplar research supporting science for a healthy nation. I exhibited the robot and represented the Bristol Robotics Laboratory at the one day event held at the Royal Society, London.*
- May 2017 Robot Takeover, London Science Museum  
*The therapy coach Pepper robot demonstrator I developed during my PhD was exhibited at the London Science Museum as part of a robotics edition of their popular Lates evening series.*
- April 2017 Designed, organised and led programming day with house in-built robots for outreach, Abbeywood Community School, Bristol
- Nov 2017 "How I got totally hooked on robotics"  
*Profile in The Guardian on behalf of the IMechE, [online](#) and in print.*

## **Publications**

### **Doctoral Thesis**

K. Winkle, 2020 "Expert-Informed Design and Automation of Persuasive, Socially Assistive Robots" (Doctoral dissertation, University of Bristol). *PhD by monograph: 63,275 words; 272 pages*

### **International Journal Articles**

- [J8] M. Zhong, M. Fraile, G. Castellano, **K. Winkle** "A Case Study in Designing Trustworthy Interactions: Implications for Socially Assistive Robotics" *Frontiers in Computer Science* (2023)
- [J7] L. Moradbakhti, M. Mara, G. Castellano, **K. Winkle** "(Counter-)Stereotypical Gendering of Robots in Care: Impact on Needs Satisfaction and Gender Role Concepts in Men and Women Users" *International Journal of*



## Social Robotics (2023)

- [J6] I. Hipolito, **K. Winkle**, M. Lie "Enactive artificial intelligence: subverting gender norms in human-robot interaction" *Frontiers in Neurorobotics* (2023)
- [J5] **K. Winkle**, E. Lagerstedt, I. Torre, A. Offenwanger "15 Years of (Who)man Robot Interaction: Reviewing the H in Human-Robot Interaction" *ACM Transactions on Human-Robot Interaction* (2023)
- [J4] A. Galatolo, I. Leite, **K. Winkle** "The Right (Wo)Man for the Job? Exploring the Role of Gender when Challenging Gender Stereotypes with a Social Robot" *International Journal of Social Robotics* (2023)
- [J3] **K. Winkle**, E. Senft, S. Lemaignan "LEADOR: A Method for End-To-End Participatory Design of Autonomous Social Robots" *Frontiers in Robotics and AI* (2021)
- [J2] H. Webb, M. Dumitru, A. van Maris, **K. Winkle**, M. Jirotko, A. Winfield "Role-play as Responsible Robotics: The Virtual Witness Testimony Roleplay Interview for Investigating Hazardous Human-Robot Interactions" *Frontiers in Robotics and AI* (2021)
- [J1] **K. Winkle**, P. Caleb-Solly, A. Turton and P. Bremner, "Mutual Shaping in the Design of Socially Assistive Robots: A Case Study on Social Robots for Therapy." *International Journal of Social Robotics* (2019)

## Books and Book Chapters

- [B2] A. Winfield, A. van Maris, **K. Winkle**, et al. (2022) "Ethical Risk Assessment for Social Robots: Case Studies in Smart Robot Toys" In *Towards Trustworthy Artificial Intelligent Systems* (pp. 61-76), Springer, Cham.
- [B1] A. Winfield, **K. Winkle**, H. Webb, U. Lyngs, M. Jirotko, C. Macrae (2021) "Robot Accident Investigation: A Case Study in Responsible Robotics". In *Software Engineering for Robotics* (pp. 165-187), Springer, Cham.

## Contributions to Conferences

### Peer Reviewed, Full Paper Contributions to Conferences:

- [C20] **K. Winkle** and N. Mulvihill, "Anticipating the Use of Robots in Domestic Abuse: A Typology of Robot Facilitated Abuse to Support Risk Assessment and Mitigation in Human-Robot Interaction" accepted for publication at the 2024 ACM/IEEE International Conference on Human-Robot Interaction, Boulder, Colorado, USA
- [C19] F. Babel, P. Hock, **K. Winkle**, I. Torre and T. Ziemke, "The Human Behind the Robot: Rethinking the Low Social Status of Service Robots" accepted for publication in Companion Proceedings (alt.HRI) at the 2024 ACM/IEEE International Conference on Human-Robot Interaction, Boulder, Colorado, USA
- [C18] L. Miranda, G. Castellano and **K. Winkle**, "A Case for Diverse Social Robot Identity Performance in Education" accepted for publication in Companion Proceedings (alt.HRI) at the 2024 ACM/IEEE International Conference on Human-Robot Interaction, Boulder, Colorado, USA
- [C17] **K. Winkle** and L. Moradbakhti, "Differing Care Giver and Care Receiver Perceptions of Robot Agency in an In-Home Socially Assistive Robot for Exercise Engagement" in 32nd IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN), Busan, Korea 2023
- [C16] A. Galatolo, I. Leite and **K. Winkle** "Personality-Adapted Language Generation for Social Robots" in 32nd IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN), Busan, Korea 2023
- [C15] H. Garcia Goo, **K. Winkle** and T. Williams, M. Strait "Victims and Observers: How Gender, Victimization Experience, and Biases Shape Perceptions of Robot Abuse" in 32nd IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN), Busan, Korea 2023 **Awarded Best Student Paper**
- [C14] G. Melsión, R. Stower, **K. Winkle** and I. Leite "What's at Stake? Robot Explanations Matter for High but Not Low Stake Scenarios" in 32nd IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN), Busan, Korea 2023
- [C13] **K. Winkle**, D. McMillan, M. Arnelid, K. Harrison, M. Balaam, E. Johnson, and I. Leite. "Feminist Human-Robot Interaction: Disentangling Power, Principles and Practice for Better, More Ethical HRI." in



Proceedings of the 2023 ACM/IEEE International Conference on Human-Robot Interaction, Stockholm, Sweden

**Acceptance rate: 25%; Awarded Best Paper**

[C12] T. M. Parreira, S. Gillet, **K. Winkle**, and I. Leite, "How Did We Miss This? A Case Study on Unintended Biases in Robot Social Behavior" in Companion Proceedings (alt.HRI) of the 2023 ACM/IEEE International Conference on Human-Robot Interaction, Stockholm, Sweden

[C11] S. Gillet, **K. Winkle**, G. Belgiovine and I. Leite, "Ice-Breakers, Turn-Takers and Fun-Makers: Exploring Robots for Groups with Teenagers" in 31st IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN), Naples, Italy 2022

[C10] **K. Winkle**, R. Jackson, G. Melsión, D.Brščić, I. Leite and T. Williams "Norm-Breaking Responses to Sexist Abuse: A Cross-Cultural Human Robot Interaction Study" in Proceedings of the 2022 ACM/IEEE International Conference on Human-Robot Interaction, Sapporo, Japan **Acceptance rate: 25%**

[C9] **K. Winkle**, G. Melsión, D. McMillan and I. Leite, "Boosting Robot Credibility and Challenging Gender Norms in Responding to Abusive Behaviour: A Case for Feminist Robots" in Companion Proceedings (alt.HRI) of the 2021 ACM/IEEE International Conference on Human-Robot Interaction, Virtual **Acceptance rate: 22%**

[C8] **K. Winkle**, P. Caleb-Solly, U. Leonards, A. Turton and P.Bremner, "Assessing and Addressing Ethical Risk from Anthropomorphism and Deception in Socially Assistive Robots" in Proceedings of the 2021 ACM/IEEE International Conference on Human-Robot Interaction, Colorado, US. **Acceptance rate: 23%**

[C7] **K. Winkle**, S. Lemaignan, P. Caleb-Solly, U. Leonards, A. Turton and P.Bremner, "In-Situ Learning from a Domain Expert for Real World Socially Assistive Robot Deployment" in Proceedings of the 2020 Robotics: Science and Systems Conference **Acceptance rate: 32%**

[C6] A. Winfield and **K. Winkle**, "RoboTed: a case study in Ethical Risk Assessment" in Proceedings of the 2020 International Conference on Robot Ethics and Standards **Awarded Best Paper**

[C5] **K. Winkle**, A. van Maris, "Social Influence and Deception in Socially Assistive Robotics" in Proceedings of the 2019 International Conference on Robot Ethics and Standards, London, UK

[C4] **K. Winkle**, S. Lemaignan, P. Caleb-Solly, U. Leonards, A. Turton and P.Bremner, "Effective Persuasion Strategies for Socially Assistive Robots" in Proceedings of the 2019 ACM/IEEE International Conference on Human-Robot Interaction, Daegu, South Korea. **Acceptance rate: 24%**

[C3] H.Webb, M. Jirotko, A. Winfield and **K. Winkle**, "Human-robot relationships and the development of responsible social robots" in Proceedings of the Halfway to the Future Symposium 2019, Nottingham, UK 2019

[C2] **K. Winkle**, P. Caleb-Solly, A. Turton and P.Bremner, "Social Robots for Engagement in Rehabilitative Therapies: Design Implications from a Study with Therapists" in Proceedings of the 2018 ACM/IEEE International Conference on Human-Robot Interaction, Chicago, USA **Acceptance rate: 24%; Awarded Best Paper**

[C1] **K. Winkle** and P. Bremner, "Investigating the real world impact of emotion portrayal through robot voice and motion" in 26th IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN), Lisbon, Portugal 2017

#### **Peer Reviewed Conference Poster and Workshop Publications:**

[W12] B. Kim, **K. Winkle** and J. Korman "The Delicate Dance of Unintended Offense: Robots As Agents of Social Repair for Microaggressions" in 32nd IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN), Busan, Korea 2023

[W11] **K. Winkle**, E. Lagerstedt, I. Torre and A. Offenwanger, "A Systematic Review of Participant Gender in 15 Years of HRI User Studies" at Diversity, Equity, and Inclusion (DEI) in HRI co-located with the 2022 ACM/IEEE International Conference on Human-Robot Interaction

[W10] **K. Winkle**, RB. Jackson, A. Berjarano and T. Williams, "On the flexibility of robot social identity performance: benefits, ethical risks and open research questions for HRI" at Robo-Identity co-located with the 2021 ACM/IEEE International Conference on Human-Robot Interaction

- [W9] **K. Winkle**, G. Melsión, M. Arnelid, D. McMillan, M. Balaam, K. Harrison, E. Johnson and I. Leite "Feminism x Social Robotics" for GENDERING ROBOTS: Ongoing (Re)configurations of Gender in Robotics Workshop at the 2021 IEEE International Conference on Robot and Human Interactive Communication
- [W8] **K. Winkle**, R. Jackson, A. Bejarano, T. Williams, "On the Flexibility of Robot Social Identity Performance: Benefits, Ethical Risks and Open Research Questions for HRI" for the 'Robo-Identity: Artificial identity and Multi-Embodiment' Workshop at the 2021 ACM/IEEE International Conference on Human-Robot Interaction
- [W7] R. Jackson, **K. Winkle**, A. Bejarano, T. Williams, "Design, Performance, and Perception of Robot Identity" for the 'Robo-Identity: Artificial identity and Multi-Embodiment' Workshop at the 2021 ACM/IEEE International Conference on Human-Robot Interaction
- [W6] **K. Winkle**, S. Lemaignan, P. Caleb-Solly, U. Leonards, A. Turton and P. Bremner, "Couch to 5km Robot Coach: An Autonomous, Human-Trained Socially Assistive Robot" in Companion Proceedings of the 2020 ACM/IEEE International Conference on Human-Robot Interaction
- [W5] **K. Winkle**, M. Jirotko, U. Lyngs, C. Macrae, H. Webb and A. Winfield "“What Could Possibly Go Wrong?” Logging HRI Data for Robot Accident Investigations" in Companion Proceedings of the 2020 ACM/IEEE International Conference on Human-Robot Interaction
- [W4] Y. Sallami, **K. Winkle**, N. Webb, S. Lemaignan and R. Alami "The Unexpected Daily Situations (UDS) Dataset: A New Benchmark for Socially-Aware Assistive Robots" in Companion Proceedings of the 2020 ACM/IEEE International Conference on Human-Robot Interaction
- [W3] **K. Winkle** "Social Influence in HRI with Application to Social Robots for Rehabilitation" HRI Pioneers Workshop, Daegu, South Korea 2019
- [W2] **K. Winkle**, P. Caleb-Solly, A. Turton and P. Bremner, "Patient engagement with rehabilitative therapy programmes: Therapist strategies and affecting influences" Society of Research in Rehabilitation Winter Conference, Bristol 2018
- [W1] **K. Winkle**, "Social Robots for Motivation and Engagement in Therapy," Doctoral Consortium at the 19th ACM International Conference on Multimodal Interaction, Glasgow, UK, 2017

### **Popular Science Publications**

- [P2] **K. Winkle**, "Power, Equity and Building Better Robots ", XRDS Crossroads the ACM Magazine for Students (Oct. 2023)
- [P1] **K. Winkle**, "Can Feminist Robots Challenge Our Biases?", IEEE Spectrum Magazine (Nov. 2021)