



ICSR 2022 – 14th International Conference on Social Robotics

December 13th-16th 2022, Florence, Italy
Chamber of Commerce, Piazza Mentana 1-2, 50122 Firenze (FI), Italy

Workshop

Robot Companionship: Applications and Challenges

December 13, 9:00-13:00 (CEST)

Room 3, Hybrid Event

Organisers		
Paolo Dario	Scuola Superiore Sant'Anna, Italy	paolo.dario@santannapisa.it
Alberto Pirni	Scuola Superiore Sant'Anna, Italy	alberto.pirni@santannapisa.it
Objectives		
<p>The terms “Social robot” and “Assistive robot” are often used interchangeably with “Companion robot” in the studies. However, there is yet a limited understanding of the Robot Companionship relation. Human-Robot Interaction (HRI) and Human-Robot Collaboration (HRC) paradigms are growing interdisciplinary fields of study that seek to design and implement robots that can accomplish interactive tasks, or combine skills and dynamical collaboration in human environments, but both fields seem to neglect a richer understanding of robots’ situatedness in social environments. In this sense, Human-Robot Companionship (HRC) as a novel paradigm may fill this gap, since it requires investigating how robots are key enabling technologies in grounding human interactions in a coherent, meaningful experience, and in sustaining human social values. The aim of this Workshop is to present from an interdisciplinary perspective the main challenges related to robots that are designed to be Companions (RCs), i.e., robots that can effectively cooperate with human beings as real “Companions” in the healthcare scenario, in public domains, industry, and in citizens’ private life. In all these complex real-life social environments, RCs should be designed to be user-friendly, socially acceptable, fully integrated, and amplifiers of human capabilities.</p>		

Program

9:00-9:10 Introduction and Objectives – Organisers

9:10-9:30 Paolo Dario (Emeritus Professor of Biomedical Robotics, Sant'Anna School of Advanced Studies, Italy) *in presence* – *Robot Companions: State of the Art and Challenges*

9:30-9:50 Alberto Pirni (Associate Professor of Moral Philosophy, Sant'Anna School of Advanced Studies, Italy) *in presence* - *Rethinking Ethical Design for Care Robots: Methodological Remarks*

9:50-10:10 Marcello Chiurazzi (Assistant Professor in the Healthcare Mechatronics Lab, Sant'Anna School of Advanced Studies, Italy) *in presence* - *How can assistive robotics enhance the healthcare system towards the hospitals of the future? The Odin European project*

10:10-10:30 Toshie Takahashi (Professor in the School of Culture, Media and Society, Waseda University, Tokyo, Japan) *in presence* – *How can we make robots 'friendly'? Recommendations from two human centered AI projects (UN and Moonshot)*

10:30-10:45 Q&A

10:45-11:15 Coffee Break

11:15-11:35 Filippo Cavallo (Associate Professor of Biomedical Robotics, University of Florence, Italy) *in presence* - TBA

11:35-11:55 Marianna Capasso (Postdoctoral Researcher in Philosophy of Technology, Sant'Anna School of Advanced Studies, Italy) *remote* – *Social Robots as Norms Drivers: on the evolution of collective behaviours*

11:55-12:15 Oliver Bendel (Professor in the Competence Centre Cybersecurity & Resilience, University of Applied Sciences and Arts Northwestern Switzerland School of Business, Switzerland) *in presence* – *The CARE-MOMO project. Adapting a Care Robot According to Individual Moral and Social Beliefs*

12:15-12:35 Flavia Padovani (Associate Professor of Philosophy, Drexel University, Philadelphia (PA), USA) *remote* – *Meaningful Work and Workplace Automation*

12:35-13:00 Discussion – End of the Workshop

Registration

The ICSR2022 organizing committee has decided to hold the ICSR as a traditional in-person conference. Virtual attendance will also be an option for those who have travel restrictions by their organization or do not feel comfortable participating in large gatherings. However, it is strongly encouraged for presenters, invited speakers, and workshop organizers to be present in person.

Standard Registration Deadline: 12th December 2022

Registration can be made through the [Conference website](#) for *in person* and *online* attendance.