**Valeria Villani** is Assistant Professor at the Department of Sciences and Methods for Engineering of the University of Modena and Reggio Emilia. She received her B.Sc. and M.Sc. in Biomedical Engineering from the University Campus Bio-Medico of Rome in 2006 and 2009, respectively, and her Ph.D. in Biomedical Engineering from the University Campus Bio-Medico of Rome in 2013, focusing on biomedical signal processing, with emphasis on ECG signals. She was the recipient of the Best Paper Award at ISABEL 2011 and the Mortara Fellowship at CinC 2014.

Her research interests focus on the analysis of human factors in human-system interaction and the design of human-centred user interfaces for efficient cooperation between the human and industrial machines or robots. Moreover, she has solid background in biomedical signal processing, which she has been applying to robot control and affective human-robot interaction. She was the Technical Coordinator and part of the Management Team of the H2020 EU project “Smart and adaptive interfaces for INCLUSIVE work environment” (INCLUSIVE, GA 723373). She was the Technical Coordinator of the experiment “COllaborative robot aMPLifying and Extending huMAN capabiliTies” (COMPLEMANT), which was part of the H2020 EU project “Smart integrated Robotics system for SMEs controlled by Internet of Things based on dynamic manufacturing processes” (HORSE, GA 680734). She is work package leader in the Horizon Europe project “Socially-acceptable Extended Reality Models and Systems” (SERMAS; GA 101070351). She is co-PI of the PRIN project “Frailty status in hospitalized persons: artificial intelligence-based detection and technology-assisted home-based empowerment” (ART.I.DE), funded by the Ministry of University and Research (MIUR). She is PI of the project “Cognifit Harmony: Home-based Mixed Reality Therapy for Dementia”, funded as Financial Support for Third Parties (FSTP) of the Horizon Project “Unified Transcription and Translation for Extended Reality” (UTTER, GA 101070631).

She was reviewer for the project “Credible & Safe Robot Systems” (CredRoS) funded by the Austrian Ministry for Transport, Innovation and Technology. Moreover, she was appointed expert evaluator by the EC for project proposals in the call HORIZON-CL4-2023-HUMAN-01-CNECT and by MIUR for PRIN projects.

She is currently Senior Editor for IEEE Transactions on Automation Science and Engineering, for which she served also as Associate Editor. She has been appointed as Associate Editor for the IEEE international conferences CASE in 2024, IROS since 2023, UR since 2020 and ICRA since 2018. She was General Chair for the International Workshop on Human-Friendly Robotics (HFR2019) and has co-organized several workshops at international conferences (ICRA2018, ICAR2021, ICRA2023, ERF2023, ICRA2024 and CASE2024).

Her full list of publications is available at https://scholar.google.it/citations?user=YpeqrSMAAAAJ.