

## CURRICULUM VITAE - LUCREZIA GRASSI

### PERSONAL DATA

Name and surname: Lucrezia Grassi

Date of birth: 13/11/1996

Nationality: Italian

ORCID: [0000-0001-6363-3962](https://orcid.org/0000-0001-6363-3962)

Institutional website: <https://rubrica.unige.it/personale/UUFFWF9g>

### CURRENT POSITION

- **November 2025 – present:** Assistant Professor in the scientific-disciplinary sector ING-INF/05 at DIBRIS, University of Genoa

### PREVIOUS POSITIONS

- **November 2023 – October 2025:** Research Fellow in the scientific-disciplinary sector ING-INF/05 at DIBRIS, University of Genoa

### EDUCATION

- **2020 – 2023:** PhD in *Bioengineering and Robotics*, curriculum Robotics and Autonomous Systems, University of Genoa, DIBRIS.  
Supervisor: Prof. Antonio Sgorbissa  
Thesis: “A Cloud System for Diversity-Aware, Situated, Multi-Party Autonomous Interaction Between Humans and Robots”  
Description: My doctoral project aimed to develop *CAIR* (Culture-Aware AI and Robotics), a cloud system for autonomous interaction between social robots and groups of people, adaptable to individual characteristics. The system integrates generative models, ontology-based dialogue management, and strategies for controlling multi-user interaction.
- **2018 – 2020:** Master's Degree in *Robotics Engineering*, University of Genoa, DIBRIS.  
Supervisor: Prof. Antonio Sgorbissa  
Final grade: 110/110 cum laude  
Thesis: “A Knowledge-Based Conversation System for Robots and Smart Assistants”
- **2015 – 2018:** Bachelor's Degree in *Computer Engineering*, University of Genoa, DIBRIS.  
Supervisor: Prof. Alessio Merlo  
Final grade: 110/110 cum laude  
Thesis: Android application “UniPlanner” for university career management

## TEACHING ACTIVITY

### Teaching Assignments

- **2024 – 2025:** Lecturer for the course “*Web Design and Development*” (ING-INF/05, 2 CFU), 16 hours, Bachelor’s Degree in Computer Engineering, University of Genoa
- **2023 – 2024:** Teaching assistant for the course “*Mobile Programming*” (ING-INF/05, 6 CFU), 20 hours, Bachelor's Degree in Computer Engineering, University of Genoa
- **2023 – 2024:** Teaching assistant for the course “*Experimental Robotics Laboratory*” (ING-INF/05, 4 CFU), 20 hours, Master's Degree in Robotics Engineering, University of Genoa
- **2023 – 2024:** Teaching assistant for the course “*Fundamentals of Computer Science*” (ING-INF/05, 9 CFU), 20 hours, Bachelor's Degree in Computer Engineering, University of Genoa
- **2022 – 2023:** Teaching assistant for the course “*Fundamentals of Computer Science*” (ING-INF/05, 9 CFU), 40 hours, Bachelor's Degree in Computer Engineering, University of Genoa
- **2021 – 2022:** Teaching assistant for the course “*Computer Science for the Humanists*” (ING-INF/05, 9 CFU), 12 hours, Bachelor's Degree in Literature, University of Genoa
- **2021 – 2022:** Teaching assistant for the course “*Biomedical Robotics*” (ING-INF/06, 4 CFU), 20 hours, Master's Degree in Robotics Engineering, University of Genoa
- **2021 – 2022:** Teaching assistant for the course “*Ambient Intelligence*” (ING-INF/05, 4 CFU), 20 hours, Master's Degree in Robotics Engineering, University of Genoa

### Tutoring Activities

- **2025:** Co-teaching of the course “*Hands on Robots: Group Projects – The Easy Way to Program Social Robots*” as part of the CROSSROADS Doctorate Summer School, held in Genoa in July (9 hours in total).
- **2023:** Support activities for students of the Erasmus Mundus JEMARO master's degree during the robotic challenge organized in Genoa in July, as part of the JEMARO Days.
- **2022:** Facilitator of the international MOOC “*Transcultural Robots in Health and Social Care*”, aimed at students and professionals in the health and social sectors, within the Erasmus+ IENE10 project, following the participation in the intensive training seminar “MOOC Facilitator Training” (3 days) at Middlesex University.

## Thesis Supervision Assignments

- **2025 – present:** Co-supervisor of Marco Meschini’s master’s thesis in Robotics Engineering
- **2025 – present:** Co-supervisor of Amirmohammad Saberi’s master’s thesis in Robotics Engineering
- **2024 – present:** Co-supervisor of Akshita Kadambathil’s master’s thesis in Robotics Engineering
- **2024:** Co-supervisor of Giulia Berettieri’s master’s thesis in Robotics Engineering
- **2023:** Co-supervisor of Zhouyang Hong’s master’s thesis in Robotics Engineering
- **2022 – 2023:** Co-supervisor of Danilo Canepa's master's thesis in Biomedical Engineering

## Supervision of PhD Projects

- **2024 – present:** Co-supervision of Giulia Berettieri’s PhD project (XL cycle, PhD in Bioengineering and Robotics, University of Genoa)

## Other Teaching Assignments

- **2024 (April–May):** Self-employment contract for the provision of orientation and training courses for the enhancement of STEM, digital and curricular innovation skills, as part of the project “*Capacity building: liberating the imagination in the STEM field and multilingualism*”, for a total of 20 hours at the Istituto Comprensivo Centro Storico, Genoa

## TRAINING AND RESEARCH ACTIVITIES

- **November 2023 – present:** Research fellow in the scientific-disciplinary sector ING-INF/05 at DIBRIS, University of Genoa, as part of the RAISE – Spoke 2 project. Description: The research activity, entitled “*A Cloud system for verbal and non-verbal robotic interaction aware of diversity with groups of people*”, is focused on the development of cloud systems for social robotics, with particular attention to autonomous and personalized interaction between robots and people, in health, public and domestic contexts.
- **2021 – present:** *Reviewer* for international journals and conferences such as the International Journal of Social Robotics, Intelligent Service Robotics, Interaction Studies, IEEE Robotics and Automation Letters (RA-L), IEEE RO-MAN, ICRA, ICSR, UR, Humanoids.
- **2025:** Theoretical training course for UAS pilots – Open Category (A2), lasting 6 hours. A2 certificate issued by the Civil Aviation Authority of the Netherlands (NL CAA), valid until 28/01/2030.

- **2024:** Theoretical training course for UAS pilots – Open Category (A1/A3), lasting 2 hours. Certificate A1/A3 issued by the Directorate of Civil Aviation of Luxembourg (LUX CAA), valid until 11/10/2029.

## **EDITORIAL RESPONSIBILITIES**

- **2025 – present:** Associate Editor, *Intelligent Service Robotics* (Springer Nature), an international peer-reviewed journal.

## **PROJECT ACTIVITY**

- **2024 – present:** *DHEAL-COM (Digital Health Solutions) – PNC*
- Development and customization of the CAIR software for the NAO robot in a home environment, with ontology and conversational strategy adaptation based on the robot’s role and the cognitive profile of users with Mild Cognitive Impairment (MCI).
- **2023 – present:** *Fit4MedRob (Fit for Medical Robotics) – PNC*
- Development and adaptation of the Pepper robot’s behavior through the CAIR platform, with differentiation of ontologies and content according to the two application contexts (hospital clinical setting and home environment) and the therapeutic objectives (delirium prevention and apathy reduction).
- **2023 – present:** *RAISE (Robotics and AI for Socio-economic Empowerment) – PNRR*
  - **Spoke 2:** Design and implementation, using the *CAIR* software, of NAO robot behaviors for personalized interactions with individuals with motor disabilities, with adaptation of the ontology and conversational content to the clinical and rehabilitative context.
  - **Spoke 4:** Development, using the *CAIR* software, of the interactive behavior and informational content of the Pepper and AlterEgo robots—built by the Italian Institute of Technology (IIT)—for autonomous interaction with the public in tourism and outreach contexts, customized according to the location (port, aquarium) and the target audience.

## **TECHNICAL COORDINATION AND PARTICIPATION IN RESEARCH GROUPS**

### **Technical Coordination Activities**

- **2024 – present:** *SOLARIS (Solar Operational Lifecycle and Asset Reliability Intelligency System) – Horizon Europe*  
Technical coordination of the research activities of the University of Genoa in WP3, Task 3.3: autonomous drone flight for the automated inspection of photovoltaic plants, within the framework of the European SOLARIS project.

- **2024 – present:** *DHEAL-COM (Digital Health Solutions) – PNC*  
Technical coordination of research activities in collaboration with IRCCS National Institute for the Hospitalization and Care of the Elderly (INRCA) in Ancona (Task 5.2), concerning the use of the NAO robot in a home environment for autonomous interaction with people over 65 diagnosed with Mild Cognitive Impairment (MCI), as part of trials conducted at the Ancona site.
- **2023 – present:** *Fit4MedRob (Fit for Medical Robotics) – PNC*  
Technical coordination of research activities within Mission 2, Activity 6, with a particular focus on the development and testing of cloud software for controlling the humanoid robot Pepper. The project includes two clinical trials:
  - **Trial 1:** Experiments conducted in the Geriatrics and Orthogeriatrics wards of the San Martino Polyclinic Hospital in Genoa, aimed at preventing delirium in hospitalized older adults (approved by the Italian Ministry of Health).
  - **Trial 2:** Home-based experiments in Modena and Reggio Emilia, targeting individuals affected by apathy.
- **2023 – present:** *RAISE (Robotics and AI for Socio-economic Empowerment) – PNRR*
  - **Spoke 2:** Coordination of the NAO robot trial at Santa Corona Hospital in Pietra Ligure, targeting paraplegic and quadriplegic individuals. The trial includes a hospital phase followed by a two-week home phase, during which the robot interacts autonomously with discharged patients.
  - **Spoke 4:** Coordination of activities with the Pepper and AlterEgo robots—built by the Italian Institute of Technology (IIT)—at the Genoa Maritime Station for welcoming cruise passengers and promoting questionnaires via QR codes. Trials were also conducted at the Genoa Aquarium, where the robot provided information and encouraged interaction with visitors, in comparison with traditional signage.

### Technical-Scientific Support Activities

- **2025:** Technical-scientific support for the installation and use of CAIR software with Pepper robots, at IRCCS Policlinico San Martino Hospital in Genoa, as part of the *Fit4MedRob project*.
- **2025:** Teaching of three online training sessions (3 hours each) on the installation and use of CAIR software with NAO robots, within the *DHEAL-COM* project, in Ancona.
- **2025:** Online technical-scientific support for the installation and use of CAIR software with NAO robots, at the Modena and Reggio Emilia offices, as part of the *Fit4MedRob project*.

### Membership in Scientific Societies

- **2025 – present:** Member of the IAS (Intelligent Autonomous Systems) Society

- **2023 – present:** Member of IEEE
- **2020 – present:** Member of I-RIM

## INTELLECTUAL PROPERTY

- **2024:**  
Title: CAIR (Culture-Aware AI and Robotics) Cloud V3.0  
Registration Number: D000022363  
Filing date: 29/07/2024 – Registered with the SIAE (Italian Society of Authors and Publishers)
- **2024:**  
Title: CAIR (Culture-Aware AI and Robotics) Cloud V2.0  
Registration number: D000021721  
Filing date: 13/03/2024 – Registered with SIAE (Italian Society of Authors and Publishers)
- **2023:**  
Title: CAIR (Culture-Aware AI and Robotics) Cloud  
Registration number: D000018738  
Filing date: 21/03/2023 – Registered with SIAE (Italian Society of Authors and Publishers)

## PRESENTATIONS AT CONFERENCES AND SYMPOSIA

- **2025:** Presentation of the paper “*Social Robots Nudging in Cruise Terminals: A Large-Scale Field Study*” at the Italian Conference on Robotics and Intelligent Machines (I-RIM 3D 2025), Rome, Italy.
- **2025:** Presentation of the paper “*Phase-2 Clinical Trial of a Diversity-Aware Social Robot for Delirium Prevention and Reduction in Hospitalized Older Adults*” at the International Conference on Intelligent Autonomous Systems (IAS-19), Genoa, Italy.
- **2024:** Presentation of the paper “*Moderating Group Conversation Dynamics with Social Robots*” at the GROUND Workshop, Robotics: Science and Systems (RSS 2024), Delft, Netherlands.
- **2024:** Presentation of the paper “*An Ontology-Driven System for Diversity-Aware Human-Robot Interaction Using LLMs*” at the Italian Conference on Robotics and Intelligent Machines (I-RIM 2024), Rome, Italy.
- **2023:** Presentation of the paper “*Diversity-Aware Verbal Interaction Between a Robot and People with Spinal Cord Injury*” at the IEEE International Conference on Robot and Human Interactive Communication (RO-MAN 2023), Busan, Korea.
- **2023:** Presentation of the paper “*Diversity-Aware Multi-Party Cloud Services for Human-Robot Interaction*” at the Italian Conference on Robotics and Intelligent Machines (I-RIM 2023), Rome, Italy.

- **2022:** Presentation of the paper “*Multiparty Verbal Interaction Between Humans and Artificial Agents*” at the AIRO 2022 Workshop, International Conference of the Italian Association for Artificial Intelligence (AIxIA), Udine, Italy.
- **2021:** Presentation of the paper “*Cloud Services for Autonomous Interaction with Social Robots and Artificial Agents*” at the Italian Conference on Robotics and Intelligent Machines (I-RIM 2021), Rome, Italy.
- **2021:** Presentation of the paper “*Cloud Services for Social Robots and Artificial Agents*” at the AIRO 2021 Workshop, International Conference of the Italian Association for Artificial Intelligence (AIxIA), online.
- **2020:** Presentation of the paper “*A Knowledge-Based Conversation System for Robots and Smart Assistants*” at the Italian Conference on Robotics and Intelligent Machines (I-RIM 2020), online.
- **2020:** Presentation of the paper “*Knowledge-Driven Conversation for Social Robots: Exploring Crowdsourcing Mechanisms for Improving the System Capabilities*” at the AIRO 2020 Workshop, International Conference of the Italian Association for Artificial Intelligence (AIxIA), online.

#### **Invited Talks at Public Outreach Events**

- **2025:** Presentation of the activities carried out in Task 2.2 – *Social Robots for Interaction with Groups of Individuals* of Spoke 4 within the RAISE project, during the annual workshop “*Results and prospects of an ecosystem for port innovation*” (Genoa).
- **2025:** Participation in Robot Valley 2025 (Genoa), with a talk in the “*RAISE Next Generation*” session, focused on my research path and contribution to the RAISE project.
- **2025:** Talk at the Spinal Unit of the Santa Corona Hospital in Pietra Ligure, during the National Day of People with Spinal Cord Injury, presenting my research activity and the experiments carried out with the NAO robot at the hospital, as well as the subsequent ongoing home-based experiments.
- **2024:** Presentation of my research at the Festival della Scienza (Genoa).
- **2024:** Talk at the Festival delle Conoscenze (Novi Ligure, Alessandria) on my research activities.
- **2024:** Participation in the Festival di Bioetica (Santa Margherita Ligure, Genoa), with a discussion on the ethics of artificial intelligence.
- **2023:** Talk on artificial intelligence and robotics at *Il Tempo della Salute*, an event organized by *Corriere della Sera* (Milan).
- **2023:** Talk “*The Dawn of Social Robots*” at the Festival della Dignità Umana (Borgomanero, Novara).

## AWARDS AND RECOGNITIONS

- **2025:** Vincitrice della competizione *@HOME Hackathon* alla conferenza *ICSR+AI 2025* (Napoli), con il team RICE.
- **2025:** Best Student Paper Award Finalist, IAS-19, Genoa.  
For the paper: Berettieri, G., Bixio, A.A., Grassi, L., Recchiuto, C.T., Sgorbissa, A. (2025). “*Why Are You Upset? A Framework for Dynamic Behavior Management in Child-Robot Interactions*”
- **2024:** Best Paper Award, IEEE RO-MAN 2024, Los Angeles.  
For the paper: Grassi, L., Recchiuto, C.T., and Sgorbissa, A. (2024). “*Enhancing LLM-Based Human-Robot Interaction with Nuances for Diversity Awareness*”
- **2024:** Best Poster Award, GROUND Workshop @ RSS 2024, Delft.  
For the paper: Grassi, L., Recchiuto, C.T., and Sgorbissa, A. (2024). “*Moderating Group Conversation Dynamics with Social Robots*”
- **2023:** Best Pitch by a Female PhD Student, I-RIM 2023, Rome.  
For the paper: Grassi, L., Canepa, D., Bellitto, A., Casadio, M., Massone, A., Recchiuto, C.T., and Sgorbissa, A. (2023). “*Diversity-Aware Multi-Party Cloud Services for Human-Robot Interaction*”
- **2015–2019:** Ranked among the top 5 students at DIBRIS, University of Genoa.

## TECHNOLOGY TRANSFER

### Participation in Fairs and Public Outreach Events

- **2025:** *@HOME Hackathon, Napoli (ICSR+AI 2025)* – Participation in the international competition within the RICE team.
- **2025:** *Robot Valley, Genoa* – Presentation and demonstration of robotic technologies developed as part of the research, with live interactions with the public.
- **2024:** *Festival della Scienza, Genoa* – Booth participation for the presentation of research activities and interactive demonstrations with social robots.
- **2024:** *Maker Faire Rome – The European Edition, Rome* – Scientific dissemination and demonstrations with social robots at the project’s booth.
- **2024:** *Robot Valley, Genoa* – Presentation of research activities and demonstrations with social robots aimed at the general public.
- **2023:** *Festival della Scienza, Genoa* – Public demonstrations with social robots and explanation of the developed technologies.
- **2023:** *Maker Faire Rome – The European Edition, Rome* – Presentation of research activities and demonstration of human-robot interaction at the laboratory’s booth.
- **2022:** *NAO Challenge 2022, Genoa* – Member of the jury in the national educational robotics competition, responsible for evaluating the submitted projects.

## Media Coverage

- **2025:** Interview at the Genoa Aquarium on the role of the Pepper social robot within the RAISE project – Spoke 4.
- **2025:** Article in *La Repubblica* on the launch of the Pepper robot trial at San Martino Hospital in Genoa.
- **2025:** Guest on the *Digital Dialogs* podcast by Reply (Spotify) to present research activities.
- **2024:** Interview by ACOS during the press conference of the Festival delle Conoscenze, on artificial intelligence and its applications.
- **2024:** Interview on *TG2 Storie* about research activities with the Pepper robot in various application contexts.
- **2024:** Articles in *Il Secolo XIX* and *Corriere della Sera* on planned clinical trials with the Pepper robot at San Martino Hospital in Genoa in the geriatrics and orthogeriatrics wards.
- **2023:** Interview on *Corriere TV – Il Tempo della Salute* about chatbots, artificial intelligence, and generative models.
- **2023:** Article in *Corriere della Sera* on experiments conducted at Santa Corona Hospital in Pietra Ligure.
- **2023:** Interview in *Forbes* for contributions to research in artificial intelligence and robotics.
- **2023:** Interview on *TG2 Storie* about experiments carried out at the Parini-Merello School in Genoa with the Pepper robot.
- **2023:** Articles on research at the Parini-Merello School published in *Il Secolo XIX*, *La Tecnica della Scuola*, *La Nazione*, *Orizzonte Scuola*, and *ANSA*.
- **2023:** Video interview on *GoodMorning Genova* about social robotics and its impact on society.
- **2022:** Television coverage of research activities at Santa Corona Hospital in Pietra Ligure broadcast on *TGR Leonardo Nazionale*, *TGR Buone Notizie*, and *TG3 Regionale*.
- **2022:** Articles on the use of the NAO robot at Santa Corona Hospital published in *Il Secolo XIX* and *Savona News*.

## SCIENTIFIC PUBLICATIONS

### Journals

- J1.** Grassi, L., Novaresio, A., Vitali, G., Cariola, M., Tei, A., Catalano, M. G., Minoia, A., Sgorbissa, A. (2025). *Let Me Entertain (and Nudge) You: A Real-World Study with Social Robots in a Maritime Terminal*. In *International Journal of Social Robotics* (submitted).

- J2.** Grassi, L., Recchiuto, C.T., and Sgorbissa, A. (2025). *Moderating Multi-Party Conversations with Social Robots: Design and Evaluation of Control Policies*. In *Interaction Studies* (accepted).
- J3.** Grassi, L., Recchiuto, C. T., and Sgorbissa, A. (2025). *Strategies for Controlling the Conversation Dynamics in Multi-Party Human-Robot Interaction*. In *International Journal of Social Robotics*.
- J4.** Grassi, L., Recchiuto, C.T., and Sgorbissa, A. (2023). *Sustainable Cloud Services for Verbal Interaction with Embodied Agents*. In *Intelligent Service Robotics*.
- J5.** Grassi, L., Ciranni, M., Baglietto, P., Recchiuto, C.T., Maresca, M., and Sgorbissa, A. (2023). *Emergency Management Through Information Crowdsourcing*. In *Information Processing & Management*.
- J6.** Grassi, L., Recchiuto, C.T., and Sgorbissa, A. (2022). *Knowledge-Grounded Dialogue Flow Management for Social Robots and Conversational Agents*. In *International Journal of Social Robotics*.
- J7.** Grassi, L., Recchiuto, C.T., and Sgorbissa, A. (2022). *Knowledge Triggering, Extraction, and Storage via Human-Robot Verbal Interaction*. In *Robotics and Autonomous Systems*.

## Conferences

- C1.** Grassi, L., Novaresio, A., Vitali, G., Cariola, M., Tei, A., Catalano, M., Minoia, A., Sgorbissa, A. (2025). *Social Robots Nudging in Cruise Terminals: A Large-Scale Field Study*. In *Italian Institute of Robotics and Intelligent Machines Conference (I-RIM 3D 2025)*.
- C2.** Berettieri, G., Bixio, A. A., Grassi, L., Recchiuto, C. T., Sgorbissa, A. (2025). *Enhancing Social Robots' Understanding: Predicate Grounding with Large Language Models*. In *Italian Institute of Robotics and Intelligent Machines Conference (I-RIM 3D 2025)*.
- C3.** Moriconi, M., Rocca, G., Grassi, L., Mottola, G., Paolucci, M., Recchiuto, C. T., Sgorbissa, A. (2025). *What is the Optimal Path for a Drone Exploring a PV Plant?* In *Italian Institute of Robotics and Intelligent Machines Conference (I-RIM 3D 2025)*.
- C4.** Corrao, F., Casadio, M., Grassi, L., Nardelli, A., Sgorbissa, A., Recchiuto, C.T. (2025). *Participatory Design of Socially Assistive Robots for Alzheimer's Care*. In *14<sup>th</sup> Forum of Italian Ambient Assisted Living (ForItAAL 2025)*.

- C5.** Grassi, L., Ottaviani, S., Recchiuto, C. T., Monacelli, F., Nencioni, A., and Sgorbissa, A. (2025). *Phase-2 Clinical Trial of a Diversity-Aware Social Robot for Delirium Prevention and Reduction in Hospitalized Older Adults*. In *International Conference on Intelligent Autonomous Systems (IAS-19)*.
- C6.** Berettieri, G., Bixio, A.A., Grassi, L., Recchiuto, C. T., Sgorbissa, A. (2025). *Why Are You Upset? A Framework for Dynamic Behavior Management in Child-Robot Interactions*. In *International Conference on Intelligent Autonomous Systems (IAS-19)*.
- C7.** Berettieri, G., Bixio, A. A., Grassi, L., Recchiuto, C. T., and Sgorbissa, A. (2024). *A Novel Approach for Behavior Management and Real-Time Adaptation during Child-Robot Interaction*. In *Workshop on Advanced AI Methods and Interfaces for Human-Centered Assistive and Rehabilitation (AIxIA F4MR WS 2024)*.
- C8.** Grassi, L., Recchiuto, C. T., and Sgorbissa, A. (2024). *An Ontology-Driven System for Diversity-Aware Human-Robot Interaction Using LLMs*. In *Italian Institute of Robotics and Intelligent Machines Conference (I-RIM 3D 2024)*.
- C9.** Berettieri, G., Bixio, A. A., Grassi, L., and Sgorbissa, A. (2024). *ABA-Inspired Robotic Behavior Management Using PDDL in Educational Settings*. In *Italian Institute of Robotics and Intelligent Machines Conference (I-RIM 3D 2024)*.
- C10.** Berettieri, G., Bixio, A. A., Grassi, L., and Sgorbissa, A. (2024). *Behavior Analysis-Driven Framework for Adaptive Child-Robot Educational Interactions*. In *40th IEEE International Conference on Robotics and Automation (ICRA@40)*.
- C11.** Berettieri, G., Bixio, A. A., Grassi, L., and Sgorbissa, A. (2024). *Adaptive Child-Robot Interaction: Enhancing Educational Outcomes through Applied Behavior Analysis and Real-Time Replanning*. In *The 8th Workshop on Behavior Adaptation, Interaction and Learning for Assistive Robotics (BAILAR, RO-MAN 2024)*.
- C12.** Grassi, L., Recchiuto, C. T., and Sgorbissa, A. (2024). *Enhancing LLM-Based Human-Robot Interaction with Nuances for Diversity Awareness*. In *IEEE International Conference on Robot and Human Interactive Communication (RO-MAN 2024)*.
- C13.** Grassi, L., Recchiuto, C. T., and Sgorbissa, A. (2024). *Moderating Group Conversation Dynamics with Social Robots*. In *Robotics: Science and Systems – GROUND (RSS 2024)*.
- C14.** Grassi, L., Hong, Z., Recchiuto, C. T., and Sgorbissa, A. (2024). *Grounding Conversational Robots on Vision Through Dense Captioning and Large Language*

*Models. In IEEE International Conference on Robot and Human Interactive Communication (ICRA 2024).*

- C15.** Grassi, L., Canepa, D., Bellitto, A., Casadio, M., Massone, A., Recchiuto, C. T., and Sgorbissa, A. (2023). “*Diversity-Aware Multi-Party Cloud Services for Human-Robot Interaction. In Italian Institute of Robotics and Intelligent Machines Conference (I-RIM 3D 2023).*”
- C16.** Grassi, L., Recchiuto, C.T., and Sgorbissa, A. (2023). *Robot-Induced Group Conversation Dynamics: A Model to Balance Participation and Unify Communities. In IEEE International Conference on Intelligent Robots and Systems (IROS 2023).*
- C17.** Grassi, L., Canepa, D., Bellitto, A., Casadio, M., Massone, A., Recchiuto, C.T., Sgorbissa, A. (2023). *Diversity-Aware Verbal Interaction Between a Robot and People with Spinal Cord Injury. In International Conference on Robot and Human Interactive Communication (RO-MAN 2023).*
- C18.** Grassi, L., Recchiuto, C.T., and Sgorbissa, A. (2022). *Multiparty Verbal Interaction Between Humans and Artificial Agents. In AIXIA Workshop on Artificial Intelligence for Human-Robot Interaction (AIXIA AIRO 2022).*
- C19.** Bongiovanni, A., De Luca, A., Gava, L., Grassi, L., Lagomarsino, M., Lapolla, M., Marino, A., Roncagliolo, P., Macciò, S., Carfi, A., and Mastrogiovanni, F. (2022). *Gestural and Touchscreen Interaction for Human-Robot Collaboration: A Comparative Study. In International Conference on Intelligent Autonomous Systems (IAS-17).*
- C20.** Grassi, L., Recchiuto, C.T., and Sgorbissa, A. (2021). *Cloud Services for Autonomous Interaction with Social Robots and Artificial Agents. In Italian Institute of Robotics and Intelligent Machines Conference (I-RIM 3D 2021).*
- C21.** Ciranni, M., Grassi, L., Baglietto, P., Maresca, M., Recchiuto, C.T., and Sgorbissa, A. (2021). *MEUS: A Framework for Management of Emergencies Through Ubiquitous Sensing. In Italian Institute of Robotics and Intelligent Machines Conference (I-RIM 2021).*
- C22.** Grassi, L., Recchiuto, C.T., and Sgorbissa, A. (2021). *Cloud Services for Social Robots and Artificial Agents. In AIXIA Workshop on Artificial Intelligence for Human-Robot Interaction (AIXIA AIRO 2021).*
- C23.** Battistuzzi, L., Grassi, L., Recchiuto, C.T., and Sgorbissa, A. (2021). *Towards Ethics Training in Disaster Robotics: Design and Usability Testing of a Text-Based Simulation. In IEEE International Symposium on Safety, Security, and Rescue Robotics (SSRR 2021).*

- C24.** Grassi, L., Recchiuto, C.T., and Sgorbissa, A. (2020). *A Knowledge-Based Conversation System for Robots and Smart Assistants*. In *Italian Institute of Robotics and Intelligent Machines Conference (I-RIM 3D 2020)*.
- C25.** Grassi, L., Recchiuto, C.T., and Sgorbissa, A. (2020). *Knowledge-Driven Conversation for Social Robots: Exploring Crowdsourcing Mechanisms for Improving the System Capabilities*. In *AIxIA Workshop on Artificial Intelligence for Human-Robot Interaction (AIxIA AIRO 2020)*.
- C26.** Gava, L., Grassi, L., Lagomarsino, M., Recchiuto, C.T., and Sgorbissa, A. (2020). *Physical Embodiment of Conversational Social Robots*. In *IEEE International Conference on Robot and Human Interactive Communication (RO-MAN 2020)*.
- C27.** Recchiuto, C.T., Gava, L., Grassi, L., Grillo, A., Lagomarsino, M., Lanza, D., Liu, Z., Papadopoulos, C., Papadopoulos, I., Scalmato, A., and Sgorbissa, A. (2020). *Cloud Services for Culture Aware Conversation: Socially Assistive Robots and Virtual Assistants*. In *IEEE International Conference on Ubiquitous Robots (UR 2020)*.

### **Book Chapters**

- B1.** Grassi, L., Recchiuto, C. T., and Sgorbissa, A. (2021). *Knowledge-Driven Conversation for Social Robots: Exploring Crowdsourcing Mechanisms for Improving the System Capabilities*. In *Lecture Notes in Computer Science (Vol. 12414 LNAI, pp. 249-259)*. Springer.

### **Doctoral Thesis**

- T1.** Grassi, L. (2024). *A Cloud System for Diversity-Aware, Situated, Multi-Party Autonomous Interaction Between Humans and Robots*. PhD thesis, University of Genoa.

## **BIBLIOMETRIC INDICATORS**

### **Scopus**

- Number of publications: 19
- Number of citations (excluding self-citations): 98
- h-index: 7
- Last updated: 29/10/2025

### **Google Scholar**

- Number of publications: 27
- Number of citations: 152

- h-index: 7
- i10-index (number of publications with  $\geq 10$  citations): 6
- Last updated: 29/10/2025

## **DECLARATION**

I hereby declare that the information contained in this curriculum vitae is true and accurate, pursuant to Articles 46 and 47 of Presidential Decree No. 445 of December 28, 2000.

I also authorize the processing of my personal data in accordance with EU Regulation 2016/679 (GDPR).

Date: 29/10/2025

Signature:

A handwritten signature in black ink, appearing to read "Derek Ibrahim". The signature is written in a cursive style with a large initial 'D'.