BAILAR 2020

The 4th Workshop on Behavior Adaptation, Interaction and Learning for Assistive Robotics

Royal Continental Hotel and Meeting Centre

Naples, Italy, September 4, 2020

Conference website	http://www.cogrobotics.unina.it/bailar2020/index.php
Submission link	https://easychair.org/conferences/?conf=bailar2020
Submission deadline	July 10, 2020
Acceptance Notification	July 30, 2020
Camera-ready Deadline	August 10, 2020

Topics: social assistive robotics | learning and adaptation | activity intention and emotional recognition | personalized social responses

The BAILAR workshop will constitute a unique opportunity to gather roboticists and computer scientists to present a variety of current approaches aiming at endowing social robots with learning, enhanced cognitive and social abilities, and discuss their potential to meet these criteria. This will permit to analyze the current state of the field and of its possible real-world applications in assistive and rehabilitation robotics.

Submission Guidelines

We welcome prospective participants to submit papers in one of the following categories:

- **Full papers** (up to 6 pages) that will be presented in the format of oral presentation
- **Extended Abstract** (up to 2 pages) that will be presented in the format of poster presentation

Papers can be on research that the authors have already conducted, but we especially encourage papers on new ideas or research that the authors plan to conduct mainly related to the topics listed below. Each paper will receive a minimum of two reviews. Accepted papers require that at least one of the authors register to the workshop.

The manuscripts should conform to the Ro-MAN 2020 guidelines.

Please submit a PDF copy of your manuscript through EasyChair: https://easychair.org/conferences/?conf=bailar2020

List of Topics

- Social Robots
- Assistive Robotics
- Rehabilitation Robotics
- HRI and Personalization
- Learning
- User Profiling
- Decision Making and Planning
- Online Adaptive Behavior
- Activity Recognition
- Intention Recognition
- Multimodal interfaces
- Adaptive control strategies
- Bio-cooperative systems
- Psychophysiological and biomechanical assessment
- Activity and Intention Recognition
- Ambient Assisted Living
- Acceptability and Personalization
- Security and safety in Human-Robot Interaction

Committees

Program Committee

- **Mariacarla Staffa*** (Primary Contact Person), Department of Physics, University of Naples Federico II (Italy) - mariacarla.staffa@unina.it
- **Silvia Rossi,** Department of Electrical Engineering and Information Technologies - University of Naples Federico II (Italy) - silrossi@unina.it
- **Mehdi Khamassi,** Institute of Intelligent Systems and Robotics, Sorbonne Université / CNRS (France) - mehdi.khamassi@upmc.fr
- **Daniela Conti,** Sheffield Robotics, Sheffield Hallam University (United Kingdom) - d.conti@shu.ac.uk
- **Francesca Cordella,** Advanced Robotics & Human-centred Tech., CampusBio-Medico University of Rome (Italy) - f.cordella@unicampus.it

Invited Speakers

- **Prof. Bruno Siciliano** (University of Naples Federico II)
- **Prof. Mohamed Chetouani** (Sorbonne Université)
- **Prof. Loredana Zollo** (Campus Bio-Medico University of Rome)

Publication

Selected papers will be invited to submit an extended/revised version of the papers on a high impact Journal Special Issue.

Venue

The conference will be held in the ROYAL CONTINENTAL HOTEL AND MEETING CENTRE of Naples (Italy).   Via Partenope, 38, 80121 Napoli NA.

Contact

All questions about submissions should be emailed to mariacarla.staffa@unina.it