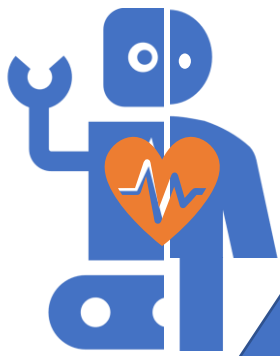


# APHRODITE

## WORKSHOP

AdaPtive beHavioRal mODEls of robotic systems based on brain-inspired AI cogniTivE architectures.

## CALL FOR PAPER



### SUBMISSION INSTRUCTIONS

All researchers interested in contributing to the discussion are invited to submit a paper of their work, prepared using the IEEE format. Paper contribution may be short (up to 4 pages) or long (up to 6 pages).

These papers will be reviewed by selected scholars.

Please direct submissions to the following address

[laura.fiorini@santannapisa.it](mailto:laura.fiorini@santannapisa.it).

This workshop is organized in conjunction with IEEE RO-MAN '20 - The 29th IEEE International Symposium on Robot and Human Interactive Communication. The cooperation between humans and robots is becoming increasingly important in our society. Consequently, there is a growing interest in the development of models that can enhance the interaction between humans and robots. This workshop aims to bring together researchers from different scientific community in order to promote cooperation and discussion with the idea that a multidisciplinary context is ideal for fostering this research topic.

### Topics of interest include:

- Robot companions
- Social interaction
- Development and Learning for HRI
- Robot as a tool to study social cognition
- Therapeutic robots
- Cultural differences in user needs/expectations
- Multi-modal human-machine interfaces
- Intelligent and Cognition-based User Interaction
- Human behavioural modelling
- Activity monitoring systems/activity recognition
- Multi-modal perception
- Novel sensors
- Smart environments
- Other related topics

### CHAIRS

**Laura Fiorini**, Scuola Superiore Sant'Anna, Italy

**Filippo Cavallo**, University of Florence, Italy

**Gabriella Cortellessa**, Consiglio Nazionale delle Ricerche, Italy

**Artur Serrano**, Norwegian University of Science and Technology, Norway

**Marek Bundzel**, Technical University of Košice, Slovakia

**Joao Quintas**, Instituto Pedro Nunes, Portugal

### PROCEEDINGS & SPECIAL ISSUE

This workshop is linked to a Special Issue of the **Journal of Social Robotics**, titled **Behavioral model for robot based on brain-inspired AI cognitive architecture**.

Authors of best contributions accepted at the workshop will be invited to submit an extended version to the special issue.

(<https://www.springer.com/journal/12369/updates/17900528>)

### IMPORTANT DATES

Submission of workshop abstracts: 15/05/2020

Notification of acceptance for workshop abstracts 28/06/2020

Submission of camera-ready workshop abstracts 10/07/2020

WHEN:  
August 31st  
2020

WHERE:  
Royal  
Continental  
Hotel, Naples,  
Italy

### SPONSOR

