

Call for Contributions for

Submission:

1. **Inform the Chair:** with the Title of your Contribution

2. **Submission URL:**

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=SEMAPRO+2019+Special>

Please select Track Preference as **SMART**

Special track

SMART: Semantic Computing for Robotics

Chair and Coordinator

Agnese Augello, Institute for high performance computing and networking (ICAR), National Research Council,
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along with

SEMAPRO 2019, The Thirteenth International Conference on Advances in Semantic Processing

<http://www.aria.org/conferences2019/SEMAPRO19.html>

September 22, 2019 to September 26, 2019 - Porto, Portugal

Recently there is a growing attention regarding the use of robots in society. The purposes are several: from playing the role of simple companions to smart assistants; the fields of applications range is wide: from health and learning environments to concierge.

The behavior of a robot can be based on a cognitive architecture. This potentially improves its effectiveness, while requiring a proper representation and processing of knowledge.

This track is aimed at the discussion of semantic computing approaches for robotics, to model the robots skills and facilitating its interaction with human beings.

Relevant topics include (but are not limited to):

- Semantic computing for robotics
- Natural Language (NLP) Processing and understanding
- Information extraction
- Sentiment/Emotion Analysis
- Social skills
- Conversational abilities
- Social role-playing in human-robot interactions
- Ontologies for robotics
- Planning
- Computational creativity for robotics

Important Datelines

Inform the Chair: As soon as you decide to contribute

Submission: July 26, 2019

Notification: August 16, 2019

Registration: August 26, 2019

Camera-ready: August 26, 2019

Note: These deadlines are somewhat flexible, providing arrangements are made ahead of time with the chair.

Contribution Types

- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on www.iaia.org]
- Presentations: slide only [slide-deck posted on www.iaia.org]
- Demos: two pages [posted on www.iaia.org]

Paper Format

- See: <http://www.iaia.org/format.html> [both LaTeX and .doc templates]
- Before submission, please check and comply with the editorial rules: <http://www.iaia.org/editorialrules.html>
- More information on camera ready preparations will be posted after the paper notifications are sent out.

Publications

- Extended versions of selected papers will be published in IARIA Journals: <http://www.iaiajournals.org>
- Print proceedings will be available via Curran Associates, Inc.: <http://www.proceedings.com/9769.html>
- Articles will be archived in the free access ThinkMind Digital Library: <http://www.thinkmind.org>

Paper Submission

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Registration

- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at <http://www.iaia.org/registration.html>

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