

## Call for Contributions

### 1. Inform the Chair

### 2. Submission URL:

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=INTELLI+2021+Special>

Please select Track Preference as **ERAS**

**3. Note:** *For 2021, all events will be held in a hybrid mode: on site or virtual choices (live, prerecorded videos, voiced presentation slides, and .pdf slides). We hope for better times allowing us to return to the traditional on site scientific events. However, we are ready to adapt any which way the conditions dictate.*

Special track

## **ERAS: Educational Robots Accompanying Structures**

### **Chair**

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STIMEY Project Consortium

<https://www.stimey.eu/home>

along with

**INTELLI:** The Tenth International Conference on Intelligent Systems and Applications

<https://www.iaria.org/conferences2021/INTELLI21.html>

July 18, 2021 to July 22, 2021 - Nice, France

Social Robots today are used in many aspects of our lives and are commonly employed for educational purposes. The more important feature of a social robot is its capability to interact and communicate with humans in a safe and socially acceptable manner. The Design and Development of Social Robots have occupied many researchers' and companies' interests. A successful social robot must combine the functionality with the appropriate appearance. Although who is talking about the invisible heroes, the accompanying structures which support the use and functions of social robots?

Apart from the robot itself, there are also hardware and software applications that support its successful use. IoT solutions, digital platforms, interconnected systems, external devices, support material, game engines, and many more accompanying structures. All those with their technical characteristics support the use of social robots and especially when it comes to educational purposes feed the robot with educational material, distance learning abilities, portable control solutions, and of course lead to more complete cyber-physical systems.

The main idea of ERAS is to highlight a social robot's accompanying structures (hardware and software) that support the use of social robots such as game engines, online platforms, intelligent mobile phone designs, etc. The special track is supported by the STIMEY consortium which consists of companies and academics, robot designers, engineers, even psychologists who emphasize the design and development of accompanying structures.

### **Topics include, but not limited to**

- Advances in multimedia processing
- Signal mining
- Human-machine interaction

- Multimodal systems
- Multimedia systems
- Autonomous Computing
- Distributed computing
- Mobile computing
- Sensing, sensory systems, and sensor networks
- Design and implementation
- Real-time systems
- Adaptive and personalized learning
- Student modeling
- Intelligent tutoring systems
- E-learning and mobile learning
- Social media and learning
- Educational games
- Gamification
- Computer-supported collaborative learning
- Big data in education and learning analytics
- Smart learning environments
- Virtual and augmented reality in education
- Learning management systems
- Content management systems
- Learning technologies for students with special needs
- Radio applications
- Design Procedures
- Distance learning devices
- Social Robots Design
- Educational Robots Design
- Educational Material
- Robot Support Material

### **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](http://www.iaia.org)]
- Presentations: slide only [slide-deck posted on [www.iaia.org](http://www.iaia.org)]
- Demos: two pages [posted on [www.iaia.org](http://www.iaia.org)]

### **Important Datelines**

Inform the Chair or Coordinator: As soon as you decide to contribute

Submission: June 14, 2021

Notification: June 26, 2021

Registration: July 2, 2021

Camera ready: July 3, 2021

***Note:** The submission deadline is somewhat flexible, providing arrangements are made ahead of time with the chair.*

### **Paper Format**

- See: <http://www.iaia.org/format.html>
- Before submission, please check and comply with the editorial rules: <http://www.iaia.org/editorialrules.html>

**Publications**

- Extended versions of selected papers will be published in IARIA Journals: <http://www.iariajournals.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**

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=INTELLI+2021+Special>

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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.iaria.org/registration.html>

**Contact**

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