

Call for Contributions

1. Inform the Chair: with the title of your contribution

2. Submission URL:

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=UBICOMM+2024+Special>

Please select Track Preference as **ICS-EAA**

3. Note: *For 2024, 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

ICS-EAA: Intelligent Computing Systems - Fundamentals and Examples of Academic Applications

Chair

Prof. Dr. Márcio Mendonça, Professor of Artificial Intelligence, Robotics, and Process Control.

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along with

UBICOMM 2024 The Eighteenth International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies

<https://www.iaria.org/conferences2024/UBICOMM24.html>

September 29 - October 03, 2024 - Venice, Italy

We cordially invite you to participate in the Special Track ICS-EAA at our upcoming UBICOMM 2024 conference, which focuses on the emergent areas of Artificial Intelligence (AI), Machine Learning (ML), Neural Networks, and Data Science.

The Special Track provides an ideal platform to present and discuss insights, innovations, and cutting-edge research in the field of Human-AI Co-Creation in a workshop atmosphere. We encourage you to submit both long and short papers and idea papers. In addition, we look forward to demos and posters on current solutions being developed in academia or collaborations with industry.

Subtopics for contributions include, but are not limited to:

- Introduction to Intelligent Computing Systems
 - Definition and scope of intelligent computing systems
 - Historical overview and evolution of intelligent computing
- Fundamentals of Intelligent Computing
 - Core concepts such as machine learning, neural networks, and natural language processing
 - Algorithms and techniques commonly used in intelligent computing systems
- Applications in Academia
 - Intelligent tutoring systems for personalized learning
 - Automated assessment and grading systems
 - Research tools empowered by artificial intelligence
 - Predictive analytics for student performance and outcomes
- Examples of Academic Applications
 - Virtual laboratories for scientific experimentation
 - Adaptive learning platforms for diverse student needs

- Natural language processing in educational chatbots and assistants
- Data-driven insights for curriculum design and optimization
- **Challenges and Future Directions**
 - Ethical considerations in the use of intelligent computing in academia
 - Addressing bias and fairness in AI-powered educational tools
 - Integration of intelligent systems with traditional teaching methods
 - Potential for future innovations and advancements in academic applications of intelligent computing

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]

Important Datelines

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

Submission: Aug 14, 2024

Notification: Sept 1, 2024

Registration: Sept 11, 2024

Camera ready: Sept 11, 2024

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

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.iaiajournals.org>
- Print proceedings will be available via Curran Associates, Inc.: <http://www.proceedings.com/9769.html>
- Articles will be archived in the Open Access ThinkMind Digital Library: <http://www.thinkmind.org>

Paper Submission

<https://www.iaiasubmit.org/conferences/submit/newcontribution.php?event=UBICOMM+2024+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.iaia.org/registration.html>

Contact

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