

# Call for Contributions

## **Note: On-site and Virtual Options**

To accommodate many situations, we are offering the option for either physical presence or virtual participation. We would be delighted if all authors managed to attend in person but are aware that special circumstances are best handled by having flexible options.

## **Submission:**

**1. Inform the Chairs** about the Title of your Contribution

**2. Submission URL:**

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=UBICOMM+2025+Special>

Please select Track Preference as **EXPLAIN**

## **Special track**

### **EXPLAIN: Engineering Explainability in Adaptive Intelligent Nexus**

#### **Chair**

Dr. Mersedeh Sadeghi  
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#### **along with**

**UBICOMM 2025, The Nineteenth International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies**

September 28 – October 2, 2025 - Lisbon, Portugal

<https://www.iaria.org/conferences2025/UBICOMM25.html>

The EXPLAIN special track addresses the critical and multifaceted challenge of designing, developing, and deploying intelligent systems that are not only autonomous and adaptive, but also transparent, interpretable, and aligned with user needs and societal values. As intelligent and ubiquitous systems become increasingly integrated into our daily lives - whether in smart homes, urban infrastructures, mobility, health, or education - there is a growing demand for systems that can explain their behaviour meaningfully and responsibly.

This track positions explainability as a foundational property of trustworthy intelligent systems. It moves beyond algorithmic interpretability to encompass the full engineering lifecycle of explainable systems: from eliciting explainability-related requirements and integrating explanation components into system architectures, to evaluating explanations through user studies and considering the broader socio-technical and ethical dimensions. We welcome contributions that explore adaptive, context-aware, interactive, and human-centred explanation approaches across diverse domains.

#### **Examples of related subtopics for contributions include, but are not limited to:**

- Engineering principles and methodologies for explainable intelligent systems
- Eliciting and modeling explainability-related requirements
- Architectural patterns and design decisions supporting explainability
- Context-aware, adaptive, and interactive explanations
- Explainability and trust in ubiquitous, autonomous, and embedded systems
- Integration of explanations into user interfaces and interaction flows
- Empirical evaluations of explanation effectiveness and user trust

- Social and ethical aspects of explainability (e.g., bias, fairness, accountability)
- Use of LLMs and generative models for explanation generation and interaction
- Domain-specific applications: smart cities, CPS, healthcare, education, etc.

*These are only suggestions; we welcome papers discussing other issues related to digital accessibility*

### **Important Datelines**

Inform the Chair, as soon as you decide to contribute.

- Submission: August 9
- Notification: August 29
- Registration: September 10
- Camera-ready: September 10

*Note: The submission deadline is 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.iaria.org](http://www.iaria.org)]
- Presentations: slide only [slide-deck posted on [www.iaria.org](http://www.iaria.org)]
- Demos: two pages [posted on [www.iaria.org](http://www.iaria.org)]

### **Paper Format**

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

### **Papers Submission**

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=UBICOMM+2025+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>

### **Contacts**

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