# 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 Chair** about the Title of your Contribution
**2. Submission URL:**
**https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=CLOUD+COMPUTING+2026+Special**
Please select Track Preference as **Hyper-CC**

**Special Track**

## Hyper-CC: Hyper-Distributed Systems and Applications for the Computing Continuum

**Chairs**

Assoc. Prof. Dr. Herodotos Herodotou. Cyprus University of Technology
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**along with**

**CLOUD COMPUTING 2026**, **The Seventeenth International Conference on Cloud Computing, GRIDs, and Virtualization**
April 19 - 23, 2026 - Lisbon, Portugal
https://www.iaria.org/conferences2026/CLOUDCOMPUTING26.html

The concept of the Computing Continuum (CC) is transforming how distributed computing systems integrate resources across cloud, edge, and IoT layers, enabling new paradigms of hyper-distributed computing.

This Special Track on Hyper-Distributed Systems and Applications for the Computing Continuum (Hyper-CC) aims to explore innovative approaches and technologies that enable seamless resource abstraction, interoperability, and deployment across diverse environments while addressing the challenges of scalability, efficiency, and security inherent to hyper-distributed systems. It seeks to foster collaboration between academia and industry to advance the state of the art in distributed system design, workload orchestration, and intelligent resource management across the Computing Continuum.

The track will provide a dedicated forum for researchers and practitioners to present cutting-edge solutions, share insights, and discuss emerging trends that are shaping the future of distributed computing in the cloud-edge-IoT ecosystem.

**Subtopics for contributions include, but are not limited to:**

- Techniques for dynamic and context-aware resource allocation across cloud-edge-IoT layers.
- Distributed optimization and multi-objective scheduling.
- AI-driven orchestration, self-CHOP, and autonomic management.
- Semantic and knowledge-based frameworks for resource and application modeling.
- Blockchain and distributed ledger approaches for trust, security, and privacy.
- Standardization and interoperability in cognitive and softwarized infrastructures.
- Self-adaptive systems leveraging AI/ML for performance and energy optimization.
- Fault tolerance, resilience, and security in hyper-distributed environments.
- Data management and streaming analytics across heterogeneous resources.
- Real-world CC applications (e.g., industrial automation, smart cities, e-health, logistics, AR/VR, immersive computing, and digital twins).
- Low-latency and energy-efficient communication in the CC.
- Sustainability and green computing in large-scale distributed systems.

*These are only suggestions; we welcome papers discussing other issues related to smart sensing and intelligent cloud-based systems and applications.*

**Important Datelines**

Inform the Chair as soon as you decide to contribute.

Submission: Feb 28, 2026
Notification: Mar 20, 2026
Registration: Apr 2, 2026
Camera-ready: Apr 2, 2026

**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]
- Presentations: slide only [slide-deck posted on www.iaria.org]
- Demos: two pages [posted on 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=CLOUD+COMPUTING+2026+Special**
Please select Track Preference as **Hyper-CC**

**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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