IEEE ICDCS 2026

46th IEEE International Conference on Distributed Computing Systems

June 22 – 25, 2026, Seoul, South Korea

"Leading the Wave of Distributed Computing Systems"

3rd Workshop on Engineering Techniques for Distributed Computing Continuum Systems

The 46th IEEE International Conference on Distributed Computing Systems (ICDCS 2026), 22–25 June 2026, Seoul, South Korea

I. About Workshop

Distributed Computing Continuum Systems (DCCS) represent a disruptive transformation for the distributed computing paradigm, where boundaries between disparate computing environments vanish, and a seamless continuum emerges. DCCSs are based on the idea of a continuum of computing resources, where each resource has distinct capabilities and characteristics, and furthermore, different tenants and owners. As cloud computing, edge computing, mobile devices, and other computing devices become a unified ecosystem, numerous opportunities and challenges arise. Creating a cohesive ecosystem in which resources are dynamically allocated across different tiers in accordance with the specific needs of the task at hand, while service objectives, including QoS and QoE, are dynamically fulfilled, is a challenging yet ambitious task. In our workshop, we gather papers on various theoretical and practical aspects of DCCS with a special focus on works that show DCCS's inherent heterogeneity, e.g., heterogeneity of devices, computing tiers, tenants, owners, etc., and build solutions able to benefit from these differences while making the distributed system behave as a cohesive entity. The outcome of this special track will be a roadmap and an initial set of techniques for DCCS researchers and practitioners that will revolutionize the practical implementation of real-world applications.

This session represents a significant step toward exploring the potential of distributed computing continuum systems, with a focus on revolutionizing interdisciplinary collaboration among researchers, practitioners, and stakeholders in distributed systems. The outcomes of this session will serve as a reference for future developments in this area and help define a roadmap for utilizing computing continuum systems in various applications. The session aligns with the conference's mission to promote cutting-edge research in distributed systems and their applications, addressing critical challenges facing society.

II. Topics

We accept submissions on a wide range of topics in these domains, with a particular emphasis on distributed computing continuum systems, including (but not limited to):

- Intelligence in distributed computing continuum systems
- Equilibrium in the computing continuum through active inference
- Sustainable distributed agentic intelligence
- Agentic AI in the Computing Continuum
- Collaborative inference in distributed computing continuum systems
- Next-generation distributed intelligent systems
- Zero trust in distributed computing continuum systems
- Zero-touch mechanism in distributed computing continuum systems
- The convergence and interplay of edge, fog, and cloud in the distributed AI/ML

- Intelligent Data Protocols for distributed computing continuum systems
- Building Intent, Intelligent and Internet-based distributed Ecosystems
- Perspectives and opportunities for distributed computing continuum systems
- Energy Performance in distributed computing continuum systems
- Elasticity strategies for distributed computing continuum systems
- Sustainable distributed computing continuum systems
- Governing distributed computing continuum systems resources
- Orchestration in distributed computing continuum systems
- Causal Inferences for explainability in distributed computing continuum systems
- Controlling data gravity and frictions in computing continuum systems
- Real-time data federations, fragmentation, and operations in distributed continuum systems
- Generative AI and large language models for computing continuum systems.
- Graph representation learning for distributed computing continuum systems
- Distributed Computing continuum systems for Generative AI and large language models.
- Tools and techniques for distributed computing continuum systems
- Real-time applications, case studies, use case analysis for computing continuum systems (Healthcare, Industry 4.0/5.0, Mechatronics, Agriculture, Education, etc.)

III. Important Dates

- Deadline for Submit Full-text: **March 20, 2026**
- Notification of paper acceptance: **April 10, 2026**
- Camera-ready paper submissions: **May 10, 2026**
- Paper submission link: to be announced...

IV. Submission Guidelines

Papers must be original and unpublished, and must not be submitted concurrently for publication elsewhere. All paper submissions should follow the IEEE 8.5" × 11" two-column format using 10pt fonts and the IEEE Conference template (downloadable by selecting "Conferences" in the IEEE-Template Selector https://template-selector.ieee.org/). **Each submission can have up to *SIX*** pages (including figures, tables, appendices, and references). Papers exceeding this page limit or with smaller fonts will be rejected without review.

If your submission is accepted for publication, up to 2 overlength pages may be purchased for the final camera-ready version. For each accepted paper, at least one author is required to pay a full author registration fee and attend the conference to present their work on site. No-show paper will be reported to the publisher and removed from the conference publication. For authors with multiple papers accepted by the conference, a separate author registration is required for each paper.

V. Workshop Organizers

- **Prof. Schahram Dustdar**
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- **Asst. Prof. Ilir Murturi**
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- **Assoc. Prof. Praveen Kumar Donta**
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- **Asst. Prof. Víctor Casamayor Pujol**
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  https://www.upf.edu/web/victor-casamayor
- **Dr. Reza Farahani**
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VI. Information about the previous edition of the workshop

- 2nd Workshop on Engineering Techniques for Distributed Computing Continuum Systems, ICDCS 2025 - Accepted number of papers: **Eight** (six pages).
  https://dsg.tuwien.ac.at/projects/edccs/
- 1st Workshop on Engineering Techniques for Distributed Computing Continuum Systems, ICDCS 2025 - Accepted number of papers: **Six** (full length).
  https://dsg.tuwien.ac.at/news/2024/01/22/news.html
- Casamayor Pujol, V., Donta, P.K., Morichetta, A., Murturi, I., Dustdar, S. (2023). Distributed Computing Continuum Systems – Opportunities and Research Challenges. In: Troya, J., et al. Service-Oriented Computing – ICSOC 2022 Workshops. ICSOC 2022. Lecture Notes in Computer Science, vol 13821. Springer, Cham.
  https://doi.org/10.1007/978-3-031-26507-5_41.
  Participants for this tutorial: 50

VII. TPC Members

- Prof. Satish Srirama, University of Hyderabad, India.
- Prof. Sindri Magnússon, Stockholm University, Sweden.
- Prof. Dr. Chinmaya Dehury, University of Tartu, Estonia.

- Dr. Naser Hossein Motlagh, University of Helsinki, Finland.
- Prof. Qiang He, Northeastern University, Shenyang, China.
- Prof. Lauri Lovén, University of Oulu, Finland.
- Dr. Mainak Adhikari, Indian Institute of Information Technology Lucknow, India
- Dr. Boris Sedlak, Universitat Pompeu Fabra, Spain.
- Dr. Andrea Morichetta, Distributed Systems Group, TU Wien, Austria.
- Prof. Ihsan Ali, Southeast Missouri State University, USA.
- Dr. Qiyang Zhang, Peking University, China
- Dr. Tri Nguyen, Alto University, Finland
- Dr. Dinesh Sah, Mälardalen University, Sweden
- Dr. Gabriele Russo Russo, University of Rome Tor Vergata, Italy
- Dr. Gabriele Morabito, University of Messina, Italy
- Dr. Weiwei Jiang, Beijing University of Posts and Telecommunications, China
- Dr. Kawsar Haghshenas, University of Groningen, The Netherlands
- Prof. Jafar A. Alzubi, Al-Balqa Applied University, School of Engineering, Jordan
- Dr. Amir Ali-Pour, ETS Montreal, Canada
- Prof. Pablo Fernandez, Universidad de Sevilla, Spain
- Dr. Juan Luis Herrera González, TUW, Austria