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# IEEE JCC2024 CFP

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## INTRODUCTION:

We cordially invite you to submit your original contributions to IEEE JCC2024 – the 15th IEEE International Conference on JointCloud Computing, which will take place in Shanghai, China on July 15-18, 2024. Please refer to the conference web page <https://ieeejcc.com/> for more information.

Cloud Computing technologies have become the backbone of modern IT infrastructures. Businesses usually adopt a multi-hybrid cloud strategy to achieve optimized portfolios of cloud services provided by different vendors and avoid single-vendor lock-in. Meanwhile, this strategy brings technical challenges and complexities to building, managing and operating multi-hybrid clouds. JointCloud is used to refer to but not limited to Hybrid-Cloud, Inter-Cloud, Multi-Cloud, Cloud Federation, Cross-Cloud and Cloud Service Broker (CSB), computing network convergence, big data systems, information-centric networking, and blockchain.

The IEEE JCC2024 aims to provide a forum for researchers and practitioners to exchange innovative ideas, the latest research results, and practical experiences and lessons learned around JointCloud.

## TOPICS:

The scope of JCC2024 includes, but is not limited to, the following topics:

- Infrastructure and distributed algorithms
  - Foundational theories and algorithms
  - Inter-cloud computing
  - Computing network convergence
  - Resource and scheduling technologies
  - Information-centric networking
  - Data center and network architectures
  - Virtualization technologies
- Special architectures and platforms
  - Collaborative cloud computing architectures
  - Data spaces
  - Cloud-edge computing
  - Cloud-based Internet-of-things platforms
  - Compute-continuum

- Blockchain
  - Serverless computing
- Cybersecurity
  - Security, privacy, and trust technologies
  - Cloud supervision and cloud governance
  - Access management
  - Intelligent Threat analysis
  - Logging technologies
  - Security frameworks for cloud computing
- Interoperability
  - Standards, protocols, and specifications
  - Interoperation and integration technologies
  - Case studies
- Engineering and developing cloud applications
  - Development methods and tools
  - Migration and transformation of workloads
  - Deployment, management, and maintenance technologies
  - Testing tools
  - Performance, reliability and availability technologies
  - Case studies
  - Economics, best practices, and empirical evaluation
- Big data and artificial intelligence
  - Big data analytics frameworks
  - Real-time frameworks
  - Visualization frameworks
  - Machine learning/ Large-language-models training, provisioning and deployment
  - Multi-agent systems
  - Applications of AI and Big data on the cloud
- Applications
  - E-commerce
  - E-science
  - Smart cities
  - E-learning
  - Sport analytics
  - Smart agriculture
  - Banking
  - Business Intelligence
  - Etc.

**SUBMISSION:**

All contributions should be original, not published elsewhere, or intended to be published during the review period.

Papers must be written in English. All papers must be prepared in the IEEE double-column proceedings format. Please see the following link for details:

[http://www.ieee.org/conferences\\_events/conferences/publishing/templates.html](http://www.ieee.org/conferences_events/conferences/publishing/templates.html).

Research papers are limited to 8 pages, and survey papers are limited to 10 pages, and experience/industry papers are limited to 6 pages, including references. JCC does NOT use double-anonymous reviews. Authors must submit their papers to the EasyChair platform. Authors must submit their papers at:

<https://easychair.org/conferences/?conf=jcc2024>

## **PUBLICATION:**

All accepted papers will be published by the IEEE Computer Society Press (EI Index) and included in IEEE Digital Library. For publication, at least one author is required to register at the full rate and present the paper at the conference for the paper to be included in the final technical program and the IEEE Digital Library. Selected papers will be invited for extension and published in journals (SCI-Index).

## **SPECIAL ISSUE:**

A selection of the best papers from the conference will be invited to a special issue at Service Oriented Computing and Applications (<https://link.springer.com/journal/11761>, Impact Factor 1.3)

## **ORGANIZERS**

General Chairs

- Haibo Chen, Shanghai Jiao Tong University, China
- Paul Townend, Umeå University, Sweden

Technical Program Committee Chairs

- Kele Xu, NUDT, China
- Victor Sanchez-Anguix, Universitat Politècnica de València, Spain

## **IMPORTANT DATES:**

- Abstract submission: March 31st, 2024
- Submission Deadline: April 1, 2024
- Author's notification: June 1, 2024
- Final camera-ready paper submission: June 15, 2024
- Conference registration: June 15, 2024
- Conference dates: July 15 – 18, 2024

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