

Call for Papers

Important Dates:

- Last Date: January 15, 2025
- Notification: January 30, 2025
- Registration: February 05, 2025
- CRC Copy: February 05, 2025

Publication

All accepted and registered papers of this special session will be submitted for possible inclusion into IEEE Xplore.

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Conference Record # 63694

Presence on IEEE Website

https://conferences.ieee.org/conferences_events/conferences/conferencedetails/63694

Submission Guidelines

As per IEEE Guidelines

Previous Conferences

<https://ieeexplore.ieee.org/xpl/conhome/1836404/all-proceedings>

Registration

Please visit conference webpage for registration and other details:

<https://esciioit.org/>

Special discount of Rs.500/- on registration fees for all accepted papers of this special session.

Session Title: Advances and Trends in Cloud Computing and Software Development

Session Chair: Dr. Susheela Hooda, Chitkara University, Punjab

Dr. Mitali Chugh, UPES, Dehradun, India

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Topics of Interest: Original and unpublished papers are invited in the following topics and not limited to:

Cloud-Native Software Development

- Designing microservices and containerization applications (e.g., Kubernetes, Docker).
- Serverless computing and its impact on software architecture.

DevOps and CI/CD in Cloud Environments

- Automating the software development lifecycle (SDLC) in cloud-based platforms.
- Challenges and best practices for continuous integration and delivery in multi-cloud setups.

Cloud-Enhanced Agile Software Development

- Leveraging cloud tools for remote collaboration and real-time project management.
- Enhancing iteration speed and reducing time-to-market for software products.

Security and Reliability in Cloud-Based Software Development

- Implementing secure coding practices in cloud-native environments.
- Addressing compliance and reliability challenges in cloud-hosted applications.

AI-Driven Cloud Solutions for Software Development

- Using cloud-based AI tools for code generation, testing, and debugging.
- Role of machine learning in optimizing resource allocation during software deployment.

Sustainability in Cloud Computing and Software Development

- Developing energy-efficient algorithms and sustainable coding practices.
- Leveraging green cloud solutions to minimize the environmental impact of software projects.

Cloud Platforms for Emerging Software Paradigms

- Enabling quantum-safe and blockchain-based software development using cloud resources.
- Cloud support for IoT-enabled and edge software applications.

Paper Submission Process: Please submit your paper (in word/pdf format) at the email with the Name of the Special Session mentioned in the subject line on **Advances and Trends in Cloud Computing and Software Development**