

🌐 Italy 📅 July 2, 2025

CONFERENCE WEBSITE: <https://sites.google.com/view/mocs2025>

| About the Conference


CALL FOR PAPERS


15th Workshop on Management of Cloud and Smart City Systems (MoCS 2025)

Co-located with 30th IEEE ISCC 2025

2nd July, Bologna, Italy -

<https://sites.google.com/view/mocs2025>

 **Important Dates**

 **CONFERENCE DATE**
July 2, 2025

The last years have witnessed a permanent change of vision of cloud systems, evolving from a centralized system to a highly distributed environment. Nowadays, the most important stakeholders such as private companies, public agencies, research communities and citizens rely on the cloud for a number of purposes, ranging from sharing hardware infrastructures to software, data, and sensing services.

The services designed for complex scenarios such as smart cities, Agriculture 4.0 and the upcoming Industry 5.0, pave the path for a new era of highly distributed and cognitive clouds. For instance, the complexity of human dynamics in a city can be better analysed by decentralising the infrastructure, analysing how the distributed

infrastructure has to be evolved at runtime, integrating and opening the data and sharing the services. The distributed and cognitive cloud paradigm is a key enabling technology, whereby applications and network functions are hosted in the cloud-to-thing continuum, and their placement can evolve depending on the context. Despite such a rapid (re-)evolution of edge-cloud systems, the extremely heterogeneous smart city applications (sensing as a service, crowd sensing, etc.) makes the satisfaction of all the requirements a big challenge. In this context, emergent paradigms like artificial intelligence (AI), privacy-enhancing technologies (PET), cybersecurity, blockchain (BC), and metaverse are key enablers for cloud-to-thing systems to shape the development of autonomic orchestration and networking.

The focus of MoCS 2025 is in the convergence of distributed clouds, cognitive clouds, digital twins and privacy-aware applications for complex scenarios like smart cities and learning-driven approaches for urban planning. The workshop aims at disseminating results on both theoretical and applicative aspects.

Topics of interest include, but are not limited to, the following:

- Application of distributed clouds to smart cities services.
- Models for context-aware crowdsensing techniques at urban-level scale.
- Human-enabled Edge Computing (HEC) paradigm.

- Computing continuum for smart cities services.
- Cognitives cloud for smart cities services.
- Digital twins for smart cities services.
- Edge data center deployment in urban environments.
- ML- and AI-based approaches cloud/edge-based smart city applications.
- AI-driven models, architectures, and frameworks for edge computing.
- Experiences on the (re)use of open platforms for cloud integrated smart cities services.
- Design and evaluation tools for scalability and efficient resource allocation in smart cities.
- Design and application of cloud/edge technologies to Intelligent Transport Systems (ITS).
- ML-evaluation for automatic road anomaly detection.
- Vehicular cloud architectures for provisioning of smart cities services.
- Models and paradigms for the management of cloud/MEC services within/between data.
- Data-driven approaches for smart transportation in urban areas.
- Blockchain solutions for secure and reliable transactions between counterparts in data sharing/trading.
- Security and privacy techniques to cloud/edge-based smart city applications.
- Post-quantum security and privacy for smart city applications.
- Design and evaluation of microservices-based networking for 5G edge networks.
- Edge AI for next generation O-RAN architecture.

Authors are invited to submit original technical papers for publication in MoCS 2025. Manuscripts must be written in English, in the IEEE double-column proceedings format, and their length should not exceed 6 pages (including tables, figures, references and appendices).

Authors can find the IEEE double-column conference proceedings template at the following link:

https://www.ieee.org/conferences_events/conferences/publishing/templates.html

Paper Review and Publication

All submitted manuscripts will be peer-reviewed by at least three reviewers. Accepted papers must be presented by at least one of their authors, who must also register for the conference. Only accepted and presented papers will appear in the ISCC 2025 proceedings and submitted for inclusion to IEEE Xplore.

Important Dates

- Submission deadline: February 10th, 2025
- Notifications: March 14th, 2025
- Camera-ready: March 30th, 2025
- Workshop Date: July 2nd, 2025

COMMITTEE

Workshop Chairs:

Armando Ruggeri, University of Messina, Italy

Jaime Galán-Jiménez, University of Extremadura,
Spain

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Publicity Chair:

Annamaria Ficara, University of Messina, Italy

Web Chair:

Marco Garofalo, University Of Messina, Italy

TOPICS OF INTEREST

4 topics

Research papers are invited in, but not limited to,
the following areas:

Networking &
Cloud Computing

Cybersecurity &
Privacy

Smart Cities &
Urban Planning

Artificial
Intelligence &
Machine Learning