

■ Call for Papers

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

The services designed for complex scenarios like Multi-Access Edge Computing (MEC), smart cities, and the upcoming Industry 4.0, pave the path for a new era of the cloud. The complexity of human dynamics in a city can be better analyzed by decentralizing the infrastructure, integrating and opening the data and sharing the services. The MEC paradigm, standardized by ETSI, is a key enabling technology for upcoming 5G networks, whereby applications and network functions are hosted in edge cloud data centers. By being closer to the end-user, besides better supporting low-latency applications, MEC systems are a candidate architecture for such a decentralized, context-aware infrastructure. Despite such a rapid (re-)evolution of cloud systems, it remains unclear whether current solutions are able to support these emergent application scenarios. Through sensing as a service processes, crowd-sensed data is made available to the cloud stakeholders. Some of them like citizens become data contributors, customers and service consumers at the same time. This data exchange calls for secure and reliable data trading transactions between the counterparts. Blockchain technology provides the stakeholders with a transparent, unalterable, ordered ledger by enabling a decentralized and secure environment. Solutions for its integration in the cloud for smart-city services are however yet to appear.

The MoCS workshop started following the “cloud” stream 8 years ago. The focus of the 9th MoCS edition is in the convergence of cloud paradigm in form of MEC to support low-latency, context-aware applications for complex scenarios like smart cities and solutions for secure transactions in data trading.

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

- Application of cloud and MEC systems to smart cities services;
- Models for context-aware crowdsensing techniques at urban-level scale;
- Integration of cloud/edge systems and mobile crowdsensing systems through Human-enabled Edge Computing (HEC) paradigm;
- 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;
- Models and design inter-play between mobility agents (citizens, vehicles) in urban environments;
- Design and application of cloud/edge technologies to Intelligent Transport Systems (ITS);
- Vehicular cloud architectures for provisioning of smart cities services;
- Adaptive solutions for scalable, maintainable, cost-effective cloud management and services provision;
- Models and paradigms for the management of cloud/MEC services within/between data centres (intra- /inter-domain) and their deployment in urban environment;
- Application of machine learning techniques to cloud/edge-based smart city applications;
- Cloud/edge-based automation tools applied to robotic science for smart cities;
- Pricing schemes, bargaining mechanisms and economics for trading data in cloud/edge environments;
- Blockchain solutions for secure and reliable transactions between the counterparts in data sharing/trading.

■ Important Dates

Paper Submission: March 31st, 2019
Notification of Acceptance: May 3rd, 2019
Final Paper: May 10th, 2019

Submit online at [EDAS website](#) »

■ Submission Instructions

Prospective authors are invited to submit original technical papers for publication in MoCS 2019. Manuscripts should be written in English with a maximum paper length of 6 printed pages for full papers and 4 pages for short papers. No more than 20% of short papers will be accepted. All manuscripts should adhere to the IEEE double column conference proceedings (<https://www.ieee.org/conferences/publishing/templates.html>). Authors are invited to submit their papers using EDAS at <https://edas.info/newPaper.php?c=25932>. Papers exceeding 6 pages will not be accepted by EDAS. At least one author of each accepted paper is required to register to the conference and present the paper. Only registered and presented papers will be included in the ISCC 2019 Proceedings and submitted for inclusion to IEEE Xplore library. The IEEE ISCC Proceedings have been indexed in the past by ISI, dblp and Scopus. This makes the IEEE ISCC Workshops publication venues with very high visibility and impact in both Computer and Communications areas. Please, contact the Workshop Organizers for any inquiry regarding the submission of manuscripts.

■ Workshop Organizers

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