

Call for Papers

Mobile Computing Symposium

The 16th International Wireless Communications & Mobile Computing Conference

IWCMC 2020 Website: <http://iwcmc.org/2020/>

SUBMISSION LINK: <https://edas.info/N?>

Limassol, Cyprus

June 15 - 19, 2020

Technically sponsored by IEEE, IEEE Spain Society

Symposium Chairs:

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Scope:

Mobile computing has become the norm rather than the exception with the proliferation of mobile devices, Internet of Things (IoT), edge computing and advancements of communication technologies. The increasingly growing number of applications and smart services on the go in every domain and widespread adoption of these services pose new challenges on the supporting infrastructure related to networking performance, scalability, architecture sustainability, user and data privacy, security, service delivery, among others. In addition, the enormous amount of data collection that takes place in these services/applications opens incredible opportunities, yet present a plethora of challenges for sensing, transmission, storage, processing, management and analytics. Such increased complexities at the different levels of the entire software and hardware stack require new paradigms, architectures and protocols to tackle dynamic topology in mobile networking, resource constraints, heterogeneous architectures, impracticality of centralized approaches, weak survivability, and unattended resolution of potential failures. Novel contributions in machine learning techniques and big data analytics frameworks are also required to turn big sensor data into actions, embed intelligence into service operation, provide deep insights, generate predictive analytics and support real-time decision making. As one of the technical symposia of the 2020 International Wireless Communication and Mobile Computing Conference (IWCMC 2020), Mobile Computing Symposium seeks cross disciplinary innovative research ideas and significant research on all aspects of mobile systems, applications, and services from academia and industry.

Accepted papers will be published in the IEEE IWCMC 2020 proceedings and will be submitted to the IEEE digital library (IEEE Xplore).

Topics of interest include, but are not limited to:

- Novel architectures and Infrastructure support for IoT systems
- Energy-efficient protocols and mechanisms at all levels of the software and hardware stack
- Experience with mobile applications, networks and systems
- Innovative mobile sensing and mobile crowdsourcing applications
- Security, privacy and trust in mobile and IoT systems
- Resource-efficient machine learning for mobile systems
- Techniques for location and context sensing and awareness
- Mobile computing support for pervasive computing
- Performance and practical experiences from prototypes
- Architectures, protocols and algorithms of ubiquitous sensing
- Cloud-based, cloud-assisted, edge computing support for mobile systems
- Big sensor data standards, and big data performance modeling and analyses
- Intelligent applications of mobile and IoT systems in all life domains
- Non-traditional topics that bring new perspectives to mobile computing

Submission Guidelines:

Prospective authors are invited to submit original technical papers—up to 6 pages of length, using the EDAS link: <https://edas.info/N??> for possible publication in the IWCMC 2020 Conference Proceedings, which will be submitted to the IEEE Xplore.

Note: There will be best paper award, best Symposium award and best Workshop award.

Important Dates:

Submission:	10 January 2019
Acceptance notification:	30 March 2019
Registration/Camera-ready:	30 April 2019

TPC Members (TBD):