



International Workshop on Architectures for Future Mobile Computing and Internet of Things FMCIoT'2018

Mobile phones and Internet of Things (IoT) devices are the top two largest categories of connected devices in 2018. With more than 15% compound annual growth rate, they are considered as one of today's hottest trends in both academia and industry. Both Mobile phones and IoT devices integrates different major technologies such as cloud services, big data, cloud computing, and wireless networking (Bluetooth, Wi-Fi, 5G, ...) in one platform that services the end users. According to Ericsson, there will be a total of approximately 28B connected devices worldwide by 2021 fairly distributed between Mobile phones and IoT devices. Despite this rapid growth, many issues at the intersection of Mobile computing and IoT are still challenging and need to be addressed. These challenges are related to the underlying communication networks, interaction with cloud services, security, the required Quality of Service, the availability of services, integration with next generation internet technologies, and many others.

Held in conjunction with MoWNet

The International Workshop on Architectures for Future Mobile Computing and Internet of Things (FMCIoT 2018) Symposium will be held in conjunction with the [7th IEEE International Conference on Selected Topics in Mobile & Wireless Networking \(MoWNet'18\)](#). The FMCIoT 2018 Symposium aims at soliciting original ideas on the broad area of Mobile and IoT architectures including challenges and opportunities, concepts and applications and future trends that addresses the aforementioned challenges. The Symposium aims to facilitate discussions among academics and industry to bridge Mobile Computing and IoT practitioners and make positive contributions to the field.

Submission

Authors are invited to submit original, unpublished manuscripts. Submitted papers

For questions regarding the Workshop, please contact fmciot2018@lacl.fr
More details are available at <http://fmciot2018.lacl.fr/>

should be in accordance with [IEEE format](#), and will be reviewed by at least two expert reviewers in terms of relevance, originality, contribution, correctness, and presentation. Submission and acceptance deadlines:

Submission deadline: March 20, 2018

Paper notifications: April 20, 2018

Paper camera ready due: May 05, 2018

You are invited to submit original papers of up to 8 pages, written in English and compliant with the IEEE standard (8.5"x11", two-column). The Conference Publishing Services will publish the proceedings. Submissions must be PDF files in [IEEE format](#). [Accepted paper will be published in IEEE digital library.](#)

Submission link:

<https://edas.info/newPaper.php?c=24592&track=90016>

Topics of interest

The topics of interest include but are not limited to:

- Emerging concepts of Mobile Computing and IoT
- Design methodologies for Mobile Computing and IoT
- Novel services and applications of IoT to facilitate environmental responsibility
- Mobile Cloud Computing and IoT Pricing and billing models
- IoT and Mobile Social benefits/impact
- Emerging IoT and Mobile Computing integration business models and process changes
- Communication systems and network architectures for the IoT and Mobile Computing
- The future perspective for Mobile and IoT integration: Challenges and Open Issues
- Cloudlet based computing
- Fog based computing
- Lightweight authentication mechanisms in Mobile Computing and IoT architectures
- Information-Centric Networking for Mobile and IoT
- Software-Defined Networking for Mobile and IoT
- Mobile Computing and IoT Quality of Service (QoS) improvements techniques
- Mobile and IoT architecture features and evolution
- Mobile Cloud Computing and IoT Networking and Communication considerations
- Security of mobile commerce and mobile IoT
- IoT and Data Management
- Disaster recovery in mobile and IoT
- Applications of Internet of things
- Emerging applications and interaction paradigms for everyday citizens
- Big data for Mobile and IoT
- Cloud Computing and IoT

General Cochair

Charif Mahmoudi, National Institute of Standards and Technology (NIST), Maryland USA
Fabrice Mourlin, UPEC University France

Technical Program Cochair

Laurent Nel, UPSUD university France
Edward Griffor, National Institute of Standards and Technology (NIST), Maryland USA

Steering Committee Members

Abdella Battou, National Institute of Standards and Technology (NIST), Maryland USA
Jean-Marc Farinone, Conservatoire National des Arts et Métiers, France

Program Committee Members(TPC)

Abderrahim Maizate, Hassan II university Casablanca, Morocco
Cihan Tunc, University of Arizona, USA
Mounir Rifi, Hassan II university Casablanca, Morocco
Youssef Atik, Quattro It, France
Mahmoud Almostafa Rabbah, RABBAH SOFT, Morocco
Assane Gueye, Univeriste Alioune Diop de Bambey, Senegal
Davide Pesavento, National Institute of Standards and Technology (NIST), Maryland USA
Jean Luc Deléage, Picardy University France
Cyril Dumont, Leuville Objects, France

Publicity Chair

Junior Dongo, UPEC University France

Sponsors

