UMC 2015

IEEE Services 2015 Visionary Track: Ubiquitous Mobile Cloud Theme

June 27 - July 2, 2015, New York, USA

IEEE SERVICES 2015

CALL FOR PAPERS

Mobile cloud promises to bridge the gap between limited resources and increasing demands of future mobile applications through an elastic resource provisioning model. This convergence between cloud computing technologies and the convenience of mobile devices offers improved performance of mobile systems and superior user experience. The topic of ubiquitous mobile cloud draws on inspirational ideas from many diverse domains including cloud computing, wireless technologies, context-aware computing, mobile commerce, location-based services, and vehicular networks.

The UMC theme is intended to create a platform for researchers, developers, and practitioners in current mobile cloud and ubiquitous computing from academia, industry, and service providers to share and discuss their ideas, experiences, challenges, and practical implementations related to ubiquitous mobile cloud. We encourage high quality submissions addressing current challenges and proposing novel research directions. We invite technical research papers, industrial papers, position papers, and tool demonstration papers.

Topics of interest include, but are not limited to:

Mobile cloud architectures and applications	Applications of mobile vehicular cloud
Mobile cloud services	Localization mechanisms and algorithms
Mobility support for ubiquitous cloud computing	Computation offloading: strategies and techniques
Mobile cloud data and storage architectures	Performance evaluation of mobile cloud techniques and models
Software architecture and design of mobile cloud	Reliability, availability, and scalability in ubiquitous mobile cloud
Mobile social networking	Software defined networks
Mobile sensing Big Data: paradigms and techniques	Energy and resource optimization in mobile cloud
Context management in ubiquitous cloud	Quality of Service (QoS) studies
Collaborative mobile cloud computing	Privacy and security protections

Submission guidelines

Papers should be written in English. Manuscripts should be no more than 8 pages, double column, IEEE style including tables, figures and references. Papers must be submitted by March 15, 2015. To register and submit paper into the UMC theme, please follow the instructions of the SERVICES 2015 Submissions (http://www.servicescongress.org/2015/submission.html) and use the UMC 2015 Submission System (http://www.confhub.com/conf.php?id=343). Papers meeting these requirements will be peer-reviewed by at least three independent reviewers, including a TPC member. Papers must present original and unpublished work and should not be currently under review by any other conference or journal.

Theme Chairs

Khalid Elgazzar
Queen's University

Hanan Lutfiyya
University of Western Ontario

Important Dates

Research papers due:
March 15, 2015

Acceptance Notification:
April 1, 2015

Camera-ready due:
April 15, 2015

Theme date:
June 27 – July 2, 2015

If you have any question or queries on IEEE UMC 2015, please send email to the program chairs.