

Annual Theme: MOBILE SENSORS MEET BIG DATA

In the recent years, cloud computing has cultivated the outsourcing of computing resources like IT infrastructures, service platforms, and software. With the emergence of ultra-fast 4G mobile networks and highly-featured smartphones, tablets, and wearable computing devices (e.g., with always growing sensing capabilities), the prerequisites are now met for bringing cloud computing to the mobile domain. While first commercial products are restricted to the sharing of files, contacts, etc. among different devices, more sophisticated applications still have to be developed. Future applications of mobile cloud computing will take advantage of the many sensors available on mobile devices, enable new utilization of their generated big data, and have an impact on almost all activities of our social and business life, and include, but are not limited to, mobile marketing, social networks, smart cities, health care, and business processes. This symposium will provide a great platform to allow researchers and professionals in the industry to exchange their latest research results and development activities on mobile cloud computing and services. The primary objective is to share research ideas and results, emerging industry technologies, and latest advances. Topics of interest, embedded with the special interest on the annual theme, include, but are not limited to:

- Cloud-based mobile commerce applications and systems
- Embedded mobile platforms and technologies for mobile clouds
- Green computing and networking in mobile clouds
- Innovative infrastructures, architectures, middleware, platforms, and clients
- Mobile big data and mobile crowd collaborating models
- Mobile cloud-based mobile media systems, social networks, and virtual reality
- Mobile cloud computing models, infrastructures, and approaches
- Mobile cloud infrastructure and service models
- Mobile cloud networking, communication, and tunneling technologies
- Mobile context-aware services and computing for clouds
- Mobile multimedia content delivery, transferring, and migration
- Mobile testing tools and techniques
- Mobility-aware cloud data/streams and associated retrieval/processing techniques
- Mobility modeling, management, and measurement techniques
- Monitoring solutions and evaluation techniques
- Next generation mobile applications enabled by the cloud
- Resource management, provision, and migration
- Secrecy, privacy, authentication, integrity, trust, and security policy issues
- Smart sensor platforms, urban (crowd) sensing and smart mobile SaaS
- Virtualization of mobile device resources, e.g., storage and wireless networking
- Wearable computing devices enabled mobile cloud applications

PAPER SUBMISSION

The length of camera-ready papers will be limited to 10 pages (6 pages for position papers presenting relevant work-in-progress in the field). All papers should be prepared using the IEEE format, please see http://www.ieee.org/conferences_events/conferences/publishing/templates.html Each paper will be reviewed by at least three TPC members. Authors must submit their manuscripts using the EasyChair conference system, please follow this EasyChair link <https://www.easychair.org/conferences/?conf=ieeemobilecloud2015>

WORKSHOP & TUTORIAL PROPOSAL SUBMISSION

Please see details on the conference Web site - <http://mobile-cloud.net/>

PAPER PUBLICATION

All accepted papers will be published by IEEE Computer Society Press and included in IEEE Digital Library. For publication, each accepted paper is required to be registered and presented. Selected papers (extended versions) will be published in international journals, such as a Special Issue of IEEE Transactions on Cloud Computing, Journal of Internet Technology, Journal of Communications, Int. Journal of Software Engineering and Knowledge Engineering, and Int. Journal of Handheld Computing Research.



IMPORTANT DATES

- Full paper submission: November 15, 2014
- Review notification: January 9, 2015
- Camera-ready submission and conference registration: January 31, 2015
- Workshop proposal sub.: November 15, 2014
- Tutorial proposal sub.: December 1, 2014
- Conference: March 30 - April 3, 2015

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