

Call for papers

Mobile Computing and Vehicle Communications (MCVC) Symposium ICNC 2020

Big Island, Hawaii, USA, Feb 17-20, 2020

<http://www.conf-icnc.org/2020/>

Symposium Co-chairs

- **Daji Qiao**, Iowa State University, USA, daji@iastate.edu
- **Abdellatif Kobbane**, ENSIAS, Mohammed V University of Rabat, Morocco, abdellatif.kobbane@um5.ac.ma

Scope

Mobile computing is more ubiquitous today as smart phones and other consumer electronic devices have become the primary means to access the Internet. The emerging concepts of 5G and mobile cloud computing have also accelerated the integration of personal computing, distributed computing, cloud computing, and wireless technologies. Another important domain of research is vehicle communications where continuously increasing interactions between communications, computing and sensing in vehicular systems have introduced many interesting, yet challenging, issues in diverse research areas such as computing platform, connectivity, routing and broadcast, channel and link access, cooperation, capacity planning, scheduling, and security and privacy preservation. This symposium is devoted to cover original contributions in the design, development, and analysis of key technological issues related to architectures, platforms, algorithms/protocols and applications in the joint areas of mobile computing and vehicle communications. Technical papers describing original, previously unpublished research, not currently under review by another conference or journal, are solicited. Topics of interest include, but are not limited to:

- Novel applications, services, and cloud computing for mobile environments
- Cloud-assisted vehicle communications
- Mobile vehicular social networks
- Information systems and applications for intelligent transportation systems
- Channel measurement and modeling for V2V or V2I channels
- V2X protocols in vehicular networks and communications
- Vehicle ad hoc networks and vehicle sensor networks
- 5G enabled V2X systems
- Wireless channel and media access control protocols
- Mobile IoT (Internet of Things)
- Wireless access virtualization and resource management in mobile environments
- Performance modeling and characterization in mobile environments
- Mobility management, analysis and vehicle traffic analysis
- Quality of service for mobile communication systems and interactive applications
- Economics of vehicular communications and intelligent transportation systems
- System evaluation methodologies and testbed experiments and measurements
- Scalability and reliability in mobile communication system
- Security and privacy in mobile computing environments
- Data management, analysis, and compression in mobile environments and for vehicle communications
- Inter-networking between mobile communication systems

- Application and service in wireless and mobile sensor networks

Submission Guidelines

Please follow the author instructions at <http://www.conf-icnc.org/2020/author.htm>

Papers are required to be submitted via EDAS: <https://edas.info/newPaper.php?c=26088&track=96623>

Important Dates:

- Paper submission: July 5, 2019
- Paper acceptance: September 20, 2019
- Camera-ready paper: October 18, 2019

Short biography of co-chairs

Dr. Daji Qiao is currently an Associate Professor in the Department of Electrical and Computer Engineering at Iowa State University, Ames, Iowa, USA. Dr. Qiao received his PhD degree in Electrical Engineering: Systems from The University of Michigan, Ann Arbor, Michigan in 2004. His research interests include sensor networks and Internet of Things (IoT), wireless networking and mobile computing, and cyber security. Dr. Qiao has served on the organizing and technical program committees of many networking and communications conferences, such as IEEE INFOCOM, Globecom, WCNC, SECON, ICCCN, ICDCS, MASS, and WoWMoM. He is a senior member of the IEEE.

Dr. Abdellatif KOBANE is currently an Associate Professor (Professeur Habilité) at the Ecole Nationale Supérieure d'Informatique et d'Analyse des Systemes (ENSIAS), Mohammed V University of Rabat, Morocco since 2009. He received his PhD degree in computer science from the Mohammed V-Agdal University (Morocco) and the University of Avignon (France) in September 2008. He received his research MS degree in computer science, Telecommunication and Multimedia from the Mohammed V-Agdal University (Morocco) in 2003. Dr Kobbane is currently Adjunct professor at L2TI laboratory, Paris 13 University, France since 2012. His research interests lie with the field of wireless networking, performance evaluation in wireless mobile network as: Vehicle Communications networks, cognitive radio, SDN, NGN, Ad-hoc networks, DTNs, Internet of things (IoT), M2M, Mobile Cloud computing, Fog computing, Mobile Social networks, Caching and backhaul and next generation of mobile communication networking (5G). More than 10 years of computer sciences and Telecom skills, in Europe (France) and Morocco, in the areas of Performance evaluation in wireless mobile networks at large specialty in 5G mobile networks problems, using game theory and MDP and learning techniques. Author of several more than 90 scientific publications in high IEEE, Elsevier and Wiley venues.