



The 2nd EAI International Conference on Future Intelligent Vehicular Technologies
OCTOBER 17–19, 2017 | ISLAMABAD, PAKISTAN

Call for Papers

Special Session: Information Centric Vehicular Communications: Named Data Networks, Software Defined Network based ICN, and Internet of Vehicles

Outline:

The increase in data rate in communication technologies efficiently solve many challenges in different areas of transportation system. However, improved planning, designing, developing new intelligent protocols for vehicular networks need attention from both academia and industry. Therefore, various firms and technological companies and organization develop advanced and optimized technologies to help in facilitating the users in driving, travelling time information, road management, road guidance, etc. Recently, a lot of research efforts have been made from both academia and industry side to promote various new and emerging network paradigms. The reason is straight that during the past decade, it has been realized that the current internet architecture was originally designed for end-to-end host centric communications. However, the actual focal of communications is the content itself. Hence, we have witnessed new architectures such as an Information Centric Network (ICN) with various extensions like Content-Centric Network (CCN), Named Data Network (NDN), Data-Oriented Network Architecture, and so on. On the other hand, enormous efforts in cellular networks have been made for improving the user experience, and in result today we are able to use LTE-A and so on. Further, the integration of cloud service, ubiquitous computing, and WSN over the internet should be realized with a complete generic standard, such that, it seamlessly connects existing, new, and future objects. Moreover, these all new technologies are being applied in other networking domains as well, including VANETs, Smart Grid, Smart Cities, Internet of Things, Big Data, and so on.

Topics:

Topics include but are not limited to:

- Agent-based Modeling & Simulation
- Advanced ICN: Architecture, Algorithms, and Applications
- Applications of Internet of Things in future designing of ICN
- Current Issues and challenges in ICN, CCN, and NDN
- Future planning and optimization of ICN
- Intelligent Transportation System (ITS) based on ICN and NDN
- Advanced mobility protocols for ICN, CCN, and NDN
- Advanced and Optimized routing and forwarding techniques in ICN, NDN and CCN
- In-Network Caching Schemes in ICN
- Interoperability and cross-layer Communications in ICN
- QoS support and open issues in ICN
- Big Data analytics based ICN Vehicular Communications

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Important Dates: Full Paper Submission deadline: **1 June 2017**

Notification deadline: **31 July 2017**

Camera-ready deadline: **31 August 2017**



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