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

Call for Papers
Special Session: Vehicular Communication Trends and Security in Emerging Technologies and Beyond

Outline:

Vehicular communications using WAVE, safety/non-safety application specifications and secure vehicular communications have been a major trend in the past decade or so. However, as the emerging communication technologies are introduced, vehicular communications face fascinating research challenges in order to evolve by incorporating these technologies. Particularly, vehicular communications based on 5G, software defined vehicular networks, vehicular cloud/fog computing and mobile edge computing for vehicles are at the very heart of the emerging technologies.

In this special session, the authors are invited to submit research articles, industrial implementations, test-bed based implementations, and surveying ventures that demonstrate significant advances in the vehicular communications trends and security based on the emerging technologies and beyond.

Topics:

Topics include but are not limited to:

- Ultra-dense small cell deployments of 5G
- Autonomous driving
- Architectures, protocols and algorithms for vehicular communications
- Software-Defined vehicular communications techniques and architectures
- Mobile Edge Computing in the context of vehicular communications
- Energy saving protocols for vehicular networks
- Dense heterogeneous network deployment architectures and solutions
- Handoff and mobility control
- Applications to Internet of Things, cloud, smart grid, vehicle to grid, and smart cities etc
- Service and QoE provisioning techniques
- Simulations tools, methodologies, and performance evaluations
- Privacy and access control.
- Security of vehicular cloud networks
- Securing autonomous driving from attacks
- Approaches for digital forensics.
- Formal aspects of Trust (specification, contexts, reasoning, analysis and decisions).
- Trust and reputation management systems (architectural element, requirements, metrics and measures, and computation models).
- Security and reputation attacks and counter-measurements
- Trust establishment in distributed and high scale environment.
- Trust-based security policy management.
- Modeling and formal verifications for security, privacy and trust.

Organizer:
- Dr. Suleman Khan (School of Information Technology, Monash University Malaysia)
- Dr. Syed Adeel Ali Shah (Department of Computer Science, University of Engineering and Technology, Peshawar, Pakistan)

Chairs:
- Dr. Suleman Khan (School of Information Technology, Monash University Malaysia)
- Dr. Syed Adeel Ali Shah (Department of Computer Science, University of Engineering and Technology, Peshawar, Pakistan)

Important Dates:

Full Paper Submission deadline: 1 June 2017

Notification deadline: 31 July 2017

Camera-ready deadline: 31 August 2017

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