
Sunday, 24 September 2017 14:00-17:30 Tom Thompson

W3: Vehicular Information Services for the Internet of Things

The Internet of Things (IoT) has recently gained great attention from both academia and industry. Among the key enablers of IoT, smart vehicles have been promising solutions for providing on-road communication and ubiquitous information services. The real value of vehicular resources is much realized when translated into information services that put these resources into action. Expanding the smart vehicle-based services/applications beyond the intelligent transportation services requires research and development efforts to explore new service scopes, create innovative system architectures, and design enabling technologies. Enabling pervasive and diversified vehicular service provisioning in the IoT era entails synergizing several related technologies such as distributed cloud and fog computing, networking infrastructures, crowdsourcing, public sensing, information-centric networking, privacy and security techniques.

This workshop is designed to highlight the ongoing efforts towards vehicular service provisioning and related technology blend. The workshop also addresses issues that arise when dealing with smart vehicles such as resource and service discovery, data communication and delivery, quality of information assessment, resource recruitment, and incentive modelling.

General Chairs:

Sherin Abdelhamid, Queen's University, Canada

Khalid Elgazzar, University of Louisiana at Lafayette, USA

Technical Program Committee:

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Aboelmagd Noureldin, Royal Military College

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Karim Emara, Ain Shams University

Ayman Abdel-Hamid, Arab Academy for Science, Technology, and Maritime Transport

Ala Abu Alkheir, University of Ottawa

Eslam AbdAllah, Queen's University

Michael W Totaro, University of Louisiana

Program

Sunday, 24 September 2017 14:00-14:40

Keynote

Adapting LTE/LTE-A to Vehicular M2M Communications

Jelena Mistic, Ryerson University

Sunday, 24 September 2017 14:40-15:30

Session I

1 Performance Evaluation of Multicast Video Distribution with User Cooperation in LTE-A Vehicular Environments

Jayashree Thota, Berna Bulut, Angela Doufexi, Simon Armour, University of Bristol

2 Connecting the Autonomous: A Distributed Game Theory Approach for VANET Connectivity

Marina Wagdy, Ahmad Mostafa, Ahmed Hamad, The British University in Egypt

Sunday, 24 September 2017 16:00-17:30

Session II

1 Joint Subjective and Objective Data Capture and Analytics for Automotive Applications

Mathias Johanson, Jonas Jalminger, Alkit Communications AB; Emmanuel Frécon, RISE SICS; Boel Nelson, Tomas Olovsson, Chalmers University of Technology; Mats Gjertz, Volvo Car Corporation

2 VehiCache: Vehicle Updates via Mobile Phones

Nadav Lavi, Tal Filosof, General Motors; Moshe Laifenfeld, SpaceGate

3 A Priority Algorithm to Control the Traffic Signal for Emergency Vehicles

Md Asaduzzaman, Krishnamurthy Vidyasankar, Memorial University of Newfoundland