VTC2016-Fall
MONTRÉAL
A Connected World at your Fingertips

Workshop on Vehicular Information Services for the Internet of Things (VISIT 2016)

Sunday 18 September 2016

8:30 am – 9:15 am **Keynote by Prof. Soumaya Cherkaoui, Université de Sherbrooke, Canada**

Prof. Soumaya Cherkaoui is a Full Professor at the Department of Electrical and Computer Engineering of the University of Sherbrooke, Quebec, Canada, which she joined in 1999. Since 2005, she also holds the position of Adjunct Full Professor at Lulea University, Sweden. Since 2000, she has been the Director of INTERLAB, a research Laboratory which conducts research on wireless networks funded both by government and industry. Pr. Cherkaoui's research interests lie in the field of wireless Ad-Hoc networks, particularly vehicular ad hoc networks (VANET). She led several Canadian projects on VANET in the AUTO21 Network of Centers of Excellence, for which she served on the Board of Directors from 2011 to 2013. She was also a member of the Canada-California Strategic Partnership (CCSIP) working group on vehicular networking in 2009.

Pr. Cherkaoui has published over a 100 research papers in wireless networking in reputed journals and conferences. Pr. Cherkaoui has been an active member of IEEE Comsoc Ad Hoc & Sensor Networks Technical Committee for several years, for which she was elected secretary in 2015. She served on the Technical Program Committee of IEEE Communications Society flagship conferences for more than 10 years including IEEE ICC and IEEE Globecom. She served as a symposium co-chair for IEEE ICC 2014 (AHSN Symposium), symposium co-chair for IEEE Globecom 2015 (WN Symposium), symposium co-chair for IEEE PIMRC 2011, TPC Chair for IEEE AINA 2010, symposium co-chair for ACS/IEEE AICCSA 2013, symposium co-chair for IWCMC 2010, TPC Chair for Net4Cars/Net4Trains 2013, and publications chair for IEEE LCN 2015. She is also the founder of the IEEE ON-MOVE workshop.

She is a Professional Engineer in Quebec (Canada), a senior IEEE Member, and IEEE Communications Society and IEEE Vehicular Technology Society member.

Session 1

9:15 am – 10:00 am

Link Activation with Parallel Interference Cancellation in Multi-hop VANET
Meysam Azizian, Soumaya Cherkaoui (Université de Sherbrooke); Abdelhakim Hafid (University of Montreal)

Performance Evaluation of Multicast Video Distribution using LTE-A in Vehicular Environments
Jayashree Thota, Berna Bulut, Angela Doufexi, Simon Armour, Andrew Nix (University of Bristol)

10:00 am – 10:30 am **Refreshment-Coffee break - Exhibit Area**

Session 2

10:30 am – 12:00 am

Generic Geo-Social Mobility Model for VANET
Nardine Basta (University of Ulm); Amal ElNahas (British University in Egypt); Hans Peter Großmann (University of Ulm); Slim Abdennadher (German University in Cairo)

Dynamic Mapping of Road Conditions using Smartphone Sensors and Machine Learning Techniques
Shahd Abdel Gawad (German University in Cairo); Amr El Mougy (German University in Cairo); Menna El Meligy (German University in Cairo)

Integrating Vehicular Data into Smart Home IoT Systems using Eclipse Vorto *Jeroen Laverman (Bosch Software Innovations GmbH); Dennis Grewe (Robert Bosch GmbH); Olaf Weinmann (Bosch Software Innovations GmbH); Marco Wagner (Robert Bosch GmbH); Sebastian Schildt (Robert Bosch GmbH)*

12:00 pm – 13:30 pm **Lunch on Your Own**

Session 3

13:30 pm – 15:00 pm

Modelling of Communication Reliability for Platooning Applications for Intelligent Transport System
Gaurav Pathak (Eindhoven University of Technology); Hong Li (Car Infotainment & Driving Assistance, NXP Semiconductors); Chetan Belagal Math (Eindhoven University of Technology); Sonia Heemstra de Groot (Eindhoven University of Technology)

Risk Assessment for Traffic Safety Applications with V2V Communications
Chetan Belagal Math (Eindhoven University of Technology); Hong Li (Car Infotainment & Driving Assistance, NXP Semiconductors); Sonia Heemstra de Groot (Eindhoven University of Technology)

Intelligent Traffic Signal Duration Adaptation using Q-Learning with an Evolving State Space
Vinayak Gaikwad, Sanket Shirish Kadarkar, Gaurav S. Kasbekar (Indian Institute of Technology Bombay)