Wednesday, December 2

Wednesday, December 2, 17:00 - 19:00

Conference registration

Lobby, Radisson Blu Falconer Hotel & Conference Centre

Thursday, December 3

Wednesday, December 2, 19:00 - 22:00

Welcome reception

Belis Kitchen, Falkoner Allé 10, 2000 Frederiksberg

Thursday, December 3, 08:00 - 09:00

Breakfast

Thursday, December 3, 09:00 - 10:00

Keynote - Reliable Time-Critical Communications Supporting Cooperative Driving

Magnus Jonsson, Halmstad University, SE

Thursday, December 3, 10:00 - 10:20

Coffee break

Thursday, December 3, 10:20 - 12:00

S1: Vehicular Networking I [ROOM 202]

Chair: Alexey Vinel (Halmstad University, Sweden)

The Potential of Collective Perception in Vehicular Ad-hoc Networks

Hendrik-Jörn Günther (Volkswagen Group Research & Technische Universität Braunschweig, Germany); Oliver Trauer (C4C Engineering GmbH, Germany); Lars C Wolf (Technische Universität Braunschweig, Germany)

Hybrid Environment-based Channel Model for Vehicular Communications

Jose Leon Calvo (RWTH Aachen University, Germany); Florian Schröder (SmartWireless GmbH & Co. KG, Germany); Rudolf Mathar (RWTH Aachen University, Germany)
An Efficient Cooperative Transmission Scheme for Vehicular Communications
Cong-Hoang Diem and Takeo Fujii (The University of Electro-Communications, Japan)

Thursday, December 3, 12:00 - 13:00

Lunch

Thursday, December 3, 13:00 - 14:30

S2: Vehicular Networking II [ROOM 202]

Chair: Mohamed Kassab (HANA Lab, ENSI & University of Monastir, Tunisia)

Context Awareness and Priority Control for ITS based on Automatic Speech Recognition
Sakriani Sakti (NAIST, Japan); Oyunchimeg Shagdar and Fawzi Nashashibi (INRIA, France);
Satoshi Nakamura (Nara Institute of Science and Technology, Japan)

On the Importance of Real Data for Microscopic Urban Vehicular Mobility Trace
Marie-Ange Lebre (INSA Lyon & Valeo Company, France); Frederic Le Mouel (INRIA / INSA Lyon, France); Eric Ménard (Valeo Company, France)

IoT approach applied in the context of ITS: Monitoring Highways through Instant Messaging
Luis Felipe Herrera-Quintero (Universidad Piloto de Colombia, Colombia)

Thursday, December 3, 14:30 - 14:45

Coffee break

Thursday, December 3, 14:45 - 17:00

S3: ITS 1 [ROOM 202]

Chair: Michele Fiorini (Selex ES & IET Italy, Italy)

Extended Electronic Horizon for Automated Driving
Yuki Horita (Hitachi Ltd., Japan); Ramon Schwartz (Hitachi Europe, Ltd., France)

Automatic Fault Detection and Execution Monitoring in Cooperative Maneuvering
Reza Balaghiasefi and Michael Düring (Volkswagen AG, Germany); Kai Franke (Volkswagen AG & Group Research, Germany); Armin Zimmermann (Ilmenau University of Technology & System and Software Engineering, Germany)

Building Representative Velocity Profiles Using FastDTW and Spectral Clustering
Jürgen Lohrer and Markus Lienkamp (Technische Universität München, Germany)

Agent Based Simulation Applied to the Design of Control Systems for Emergency Vehicles Access
Monica Patrascu, Andreea Ion and Vlad Constantinescu (University Politehnica of Bucharest, Romania)
Friday, December 4

Thursday, December 3, 19:00 - 22:00

Conference dinner

Restaurant, Radisson Blu Falconer Hotel & Conference Centre

Friday, December 4, 08:00 - 09:00

Breakfast

Friday, December 4, 09:00 - 10:00

Invited Talk 1 - Providing Connectivity for Mobility Services: Now and Future 5G

Tatiana Madsen and Mads Lauridsen, Aalborg University, DK

Friday, December 4, 10:00 - 10:20

Coffee break

Friday, December 4, 10:20 - 12:00

S4: Wireless Communications [ROOM 202]

Chair: Jose Leon Calvo (RWTH Aachen University, Germany)

On the Coverage of LPWANs: Range Evaluation and Channel Attenuation Model for LoRa Technology

Juha Petäjäjärvi (University of Oulu, Finland); Marko Pettissalo (Nokia, Finland); Konstantin Mikhailov (University of Oulu, Finland); Antti Roivainen (Centre for Wireless Communications, University of Oulu, Finland); Tuomo Hänninen (University of Oulu, Finland)

A Cluster Based Scheme for Interference Mitigation in Mobile Macrocell-Femtocell Networks

Tara Ali Yahiya (University of Kurdistan-Hawler, France); Reben Kurda (Koya University, Iraq); Derya Yıltas-Kaplan and Pınar Kırcı (Istanbul University, Turkey)

Improving Performance of Positioning in DS/SS-IVC based on Location Oriented PN Code Allocation

Reiki Kusakari and Akira Nakamura (Tokyo University of Science, Japan); Kohei Ohno (Meiji University, Japan); Makoto Itami (Tokyo University of Science, Japan)
Friday, December 4, 12:00 - 13:00

Lunch

Friday, December 4, 13:00 - 14:30

S5: ITS II [ROOM 202]

Chair: Pınar Kırıcı (Istanbul University, Turkey)

**Improving GPS-based Road Network Constructions in a Post-Processing Step of Global Optimization**
   Oliver Roeth and Daniel Zaum (Robert Bosch GmbH, Germany); Claus Brenner (Leibniz University of Hannover, Germany)

**Integration of PLMN and Satellite Networks for Train Control and Traffic Management via MPTCP**
   Alessandro Neri (University of ROMA TRE, Italy); Agostino Ruggeri (Radiolabs, Italy); Yiwei Liu (Università degli Studi Roma Tre, Italy)

**Ship behavior recognition based on infrared video analysis in a maritime environment**
   Yang Xuefeng, Zhang Yingjun and Liu Wen (Dalian Maritime University, P.R. China); Zhu Feixiang (DaLian Maritime University, P.R. China)

Friday, December 4, 14:30 - 14:45

Coffee break

Friday, December 4, 14:45 - 15:45

Invited Talk 2 - From Titanic to Costa Concordia, the needs of ITS and Telecommunications in Maritime Domain

Michele Fiorini, IET, IT

Friday, December 4, 15:45 - 16:45

Invited Talk 3 - Communication Systems for ITS: Performance Evaluation Based on Simulation

Mohamed Kassab, HANA lab, TN / IFSTTAR, FR and Marion Berbineau, IFSTTAR, FR

Friday, December 4, 16:45 - 17:00

Conference closing & Best paper award