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**Monday, November 27, 09:00 - 09:30**

**Welcome: Welcome from the General and TPC Chairs**

**Monday, November 27, 09:30 - 10:30**

**Keynote 1 : V2X Communications for Autonomous Driving - Roadmap for WiFi-V2X and Cellular-V2X**

**Jérôme Haerri, Shailesh Patil**

Chair: Renato Lo Cigno (University of Trento, Italy)

The automobile industry is going through a transformative change and moving towards autonomous driving. Such autonomous cars will be equipped with several sensors such as radar, LIDAR etc. We will discuss the need for and the value of V2X communication in presence of such sensors, before addressing the benefit of V2X communication to enable and/or enhance autonomous driving. We will then present the current technologies and standards for V2X communication (WiFi-V2X and Cellular V2X), and introduce their roadmap. We will conclude with preliminary concepts of coexistence and market introduction.

**Monday, November 27, 10:30 - 10:45**

**Coffee Break : Coffee Break**

**Monday, November 27, 10:45 - 12:15**

**S1: Reliable, Timely, and Guaranteed Communications**

Chair: Falko Dressler (Paderborn University, Germany)

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Mohammad Hamad (Technical University of Braunschweig & IDA, Germany); Marcus Nolte (Technische Universität Braunschweig & Institute of Control Engineering, Germany); Vassilis Prevelakis (Technische Universität Braunschweig, Greece)

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# Monday, November 27, 12:15 - 12:30

## MT 1: Madness Time on Monday

Chair: Marco Fiore (National Research Council of Italy, Italy)

A sparkling sequence of 2 minute "See-My-Poster" boon presentations by poster authors.

# Monday, November 27, 12:30 - 14:00

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**Monday, November 27, 14:00 - 15:45**

**Panel: The Future of V2X: Where we are and where we are going**

**Panelists: Jérôme Härri, Shailesh Patil, Paul Spaanderman, Geert Heijenk**

Chair: Jim Lansford (Qualcomm, Inc. & University of Colorado at Boulder, USA)

Connected and autonomous vehicle (CAV) deployment is rapidly accelerating; as cars become loaded with sensors and artificial intelligence, the need for connectivity between vehicles and from the vehicle to infrastructure and networks is increasing as well. In this panel, we will have experts from both ITS-G5/DSRC and 3GPP/Cellular-V2X present the current state of work in V2X communication and where research and development is headed over the coming years. After initial statements from the panelists the discussion will be open to audience questions and comments.

**Monday, November 27, 15:45 - 16:15**

**Coffee Break: Coffee Break**

**Monday, November 27, 16:15 - 18:00**

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**Tuesday, November 28**

**Tuesday, November 28, 09:00 - 10:00**

**Keynote 2: Connected Car and Digital Transformation**

**Giuliana Zennaro**

Chair: Claudio E. Casetti (Politecnico di Torino, Italy)

The society demand of seamless connection is a key aspect to be considered in each technological domain. The automotive industry can be a part of this paradigm, giving its own interpretation. Being connected while driving is a different way of being part of the network, e.g in terms of contents and technologies. New technologies are coming, opening new opportunities. Among them, the digital transformation.

**Tuesday, November 28, 10:00 - 10:15**

**Coffee Break: Coffee Break**

**Tuesday, November 28, 10:15 - 12:15**

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**Tuesday, November 28, 12:15 - 12:30**

**MT 2: Madness Time on Tuesday**

Chair: Raphael Frank (University of Luxembourg, Luxembourg)

A sequence of ebullient, 4 minute, slideware presentations to convince everyone that attending a demo is much better than eating lunch!

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**Wednesday, November 29, 10:30 - 12:15**

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**Wednesday, November 29, 12:15 - 12:30**

**MT 3 : Madness Time on Wednesday**

Chair: Nicholas J. Kirsch (University of New Hampshire, USA)

Every presenter has 3 minutes on a fast sequence of flash-speeches to highlight the key reason to spend time listening to the proper presentation of their short paper.

**Wednesday, November 29, 12:30 - 14:00**

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