

  	<h2 style="text-align: center;">Call for Papers</h2> <p style="text-align: center;">Workshop / Industry Panel Cooperative and Automated driving Sponsored by: <i>IEEE Intelligent Transportation Systems Society</i> <i>IEEE 5G Initiative</i></p>
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Workshop Description

The second Workshop on "Cooperative and Automated Driving" will be held on November 4, 2018 in Hawaii, USA, in conjunction with the IEEE Intelligent Transportation Systems Conference (ITSC 2018 www.ieee-itsc2018.org/), which is one of the major annual conferences of the *IEEE Intelligent Transportation Systems Society* (ITSS). The Workshop targets connected, cooperative and autonomous technologies for C-ITS (Cooperative ITS) services automated driving. Similar as last year, the workshop also features an Industry Panel with experts from related industries, which will again foster the interactive exchange of academia and industry.

Recent developments in telecommunications, sensor, information processing and control technologies have enabled substantial progress in the domain of ITS. C-ITS is in a very early stage of deployment, as it is technologically achievable, but the deployment requires cooperation of multiple stakeholders. Automated driving is on the horizon, and will still need substantial and longer-term development and testing to make even the high automation levels a reality in complex situations, such as in urban environments, and in a transit period of only partial market penetration. Cooperative and automated transport are certainly complementary. They are expected to bring substantial benefits in terms of safety, comfort and (traffic and fuel) efficiency. Many challenges exist in this important domain.

The workshop targets the challenges for (C-)ITS applications, especially connected and cooperative systems towards automated driving. Competing communication technologies (e.g. peer to peer (IEEE 802.11p), cellular network, and future 5G), sensor, information processing and control technologies will be highlighted. The impacts of C-ITS applications will be analysed. Requirements for strong cooperation between industry, authorities and academia in different regions will be addressed.

The workshop is expected to be very interactive. Participants will have an excellent opportunity to discuss with, and to challenge distinguished speakers and panellists.

The Workshop welcomes submissions in the field of (C-)ITS and vehicle technologies dealing with new developments in theory and applications. All accepted papers will be included in the ITSC proceedings. The technical areas include, but are not limited to the following:

- Connected and Automated Vehicles (CAV)
- V2X communications
- C-ITS deployment
- Standardisation
- 5G research and testing
- Connected and cooperative systems
- Impacts evaluation of connected, cooperative and automated transport

Important Dates (No extensions will be granted)

Workshop paper submission open	March 1, 2018
Paper submission deadline:	April 15, 2018
Notification of acceptance:	July 2, 2018
Final paper submission deadline:	September 9, 2018

IEEE ITSS Publications

The IEEE Intelligent Transportation Systems (ITS) Society has three publications: *IEEE Transaction*



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Cooperative and Automated driving

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on *ITS*, *IEEE Transaction on Intelligent Vehicles*, and *ITS Magazine*. Researchers are encouraged to submit their recent research results to the Transactions and the Magazine. Papers will be peer reviewed according to the standards and the review process.

Organiser

Meng Lu

Strategic Innovation Manager, Dynniq Nederland B.V., The Netherlands

VP, IEEE Intelligent Transportation Systems Society

Co-Chair, WG Industry Engagement, IEEE 5G Initiative

Moderator(s)

Tim Leinmüller, Denso, Germany

Speakers/Panellists

OEMs, supplier, telecom, standardisation organisation, ICT infrastructure provider, academia

Contact

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