

CALL FOR PAPERS



4th IEEE Conference on Control Technology and Applications *Automotive Controls Invited Sessions*

August 24-26, 2020, Montréal, Canada

<https://ccta2020.ieeecss.org/>

The IEEE CSS Technical Committee on Automotive Controls is pleased to organize invited technical sessions at The 4th IEEE Conference on Control Technology and Applications (CCTA 2020), will be held at Le Centre Sheraton in the downtown core of Montréal, Canada, on August 24-26, 2020.

Papers with original investigations into control, optimization, estimation, identification and diagnostics with applications to automotive and transportation systems are invited. Special areas of interest include, but are not limited to:

➤ **Connected and Automated Vehicles:**

- AI/ML Applications for ADAS
- Security and safety for ADAS/AV
- Mapping/Localization
- Navigation and Motion Planning
- Perception for ADAS/AV
- Driver-Vehicle Interaction
- Multi-Vehicle Cooperative Automation
- Intelligent Transportation Systems
- Fault tolerant control design for AV
- AR/VR/3D Simulation

➤ **Powertrain, Electrification, and Vehicle Dynamic Controls:**

- Engine/Powertrain/Aftertreatment Systems
- Alternative Fuels/Advanced Combustion Technologies
- Energy Conversion, Waste Heat Recovery
- Drivetrain/Driveline Systems, Vehicle Dynamics
- Steering and Suspensions Systems
- Hybrid and Electric Vehicles
- Battery and Energy Storage Systems
- Vehicle Active and Passive Safety Systems

You are invited to submit a draft paper **or extended summary** (along with the list of authors and their **paperplaza PIN**) by **January 12th, 2020** to ccta.invited.session@gmail.com in **pdf** format. Preference will be given to more completed papers. The corresponding authors of the selected papers will be notified and will receive the invited session code by **January 17th**. Papers that are not selected for inclusion in the sessions can still be submitted as regular contributed papers. The deadline for submitting the full paper (invited or regular) is **January 19th**. Please, refer to the conference website (<https://ccta2020.ieeecss.org/>) for more information. If you have any questions, please contact s_dadras@ieee.org.

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