

SoCAV 2023

2023 International Symposium on Connected and Autonomous Vehicles



Shenzhen, China | April 21-23, 2023

Welcome To SoCAV 2023

2023 International Symposium on Connected and Autonomous Vehicles (SoCAV 2023) will be held in Shenzhen, China during April 21-23, 2023. The conference is dedicated to providing the platform and opportunities for researchers, scientists, engineers and scholars to exchange and share their experiences, new ideas and research in the common research field of Connected and Autonomous Vehicles, and to discuss practical issues, the challenges encountered as well as the solutions adopted.

The SoCAV 2023 conference committee is excited to invite authors and scholars from all over the world to participate in this significant conference, to enhance our knowledge and create new knowledge to help promote the advances and changes of the joint academic researches.

Important Dates:

Full Submission	Dec. 21, 2022
Notification	Feb. 21, 2023
Registration	March 7, 2023

Publication:

All accepted and presented full papers will be included in the digital conference proceeding, and submitted to major citation databases like EI Compendex, SCOPUS, Google Scholar etc. for reviewing and indexing.

Paper Submission:

Submit Via CMT:

<https://cmt3.research.microsoft.com/SOCAV2023>

CALL FOR PAPER

- 5G for connected and automated vehicles
- ADAS technologies, systems and applications
- Artificial Intelligence and Machine Learning for CAVs
- Automotive cybersecurity, liability and privacy
- Automotive IoT
- Autonomous driving
- CAVs and vulnerable road users
- Coexistence of CAVs, automated, connected, conventional and legacy vehicles
- Computer aided modeling, simulation, verification
- Connected and automated vehicle safety applications
- Deep learning
- Emotion detection in self-driving vehicles
- Field trials
- Formal Methods and Model Checking in Autonomous Driving
- Human factors, human machine interfaces and Human-Vehicle Interaction
- Impact of CAVs on transport safety, traffic management, characterization and prediction
- In-car electronics and embedded software, OS and systems
- In-vehicle communications
- Machine vision
- Mapping and localization
- Motion Planning, Decision-Making, and Controls for CAVs
- Multi-CAV Coordination
- Multi-sensor fusion
- Networked automotive cyber-physical systems
- Radar, Sonar, Linear
- Sensing, detection, and actuation
- Smart and shared mobility systems and applications
- Standards development, business models, policies
- V2V, V2I and V2X communications

Please visit the conference website for more details:
<https://www.socav.org/cfp>

Conference Chairs

Yongfu Li--Chongqing University of Posts and Telecommunications, China
Fei Hui--Chang'an University, China

Program Chairs

Andrea Pompigna--Università Mercatorum, Italy
Hocine Imine--Gustave Eiffel University, France
Guoqing Wang--University of Electronic Science and Technology of China (UESTC), China
Yousef Awwad Daraghmi--Palestine Technical University- Kodoorie, Paletine

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