

# SoCAV 2024

## 2024 International Symposium on Connected and Autonomous Vehicles



Virtual | June 7-9, 2024

## CALL FOR PAPER

### Welcome To SoCAV 2024

2024 International Symposium on Connected and Autonomous Vehicles (SoCAV 2024) will be held virtually during June 7-9, 2024. 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 2024 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	Feb. 7, 2024
Notification	May 4, 2024
Registration	May 20, 2024

### 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/User/Login?ReturnUrl=%2FSoCAV2024>

- 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- Kadoorie, Paletine

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