

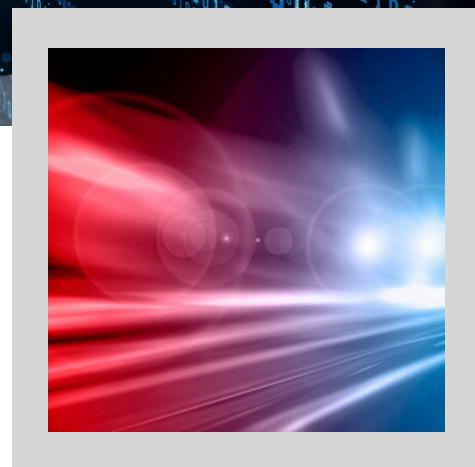
# NEWSLETTER

THE INTERNATIONAL ASSOCIATION OF ELECTRICAL, ELECTRONIC  
AND ENERGY ENGINEERING



## Welcome to CEVVE 2024

Organized by **Xi'an Jiaotong University** and **Zhuhai College of Science and Technology**, the 2024 2nd International Conference on Electric Vehicle and Vehicle Engineering (CEVVE 2024) will be held in **Zhuhai, China** during **December 20-22, 2024**.



## Welcome Message for All Participants

The development of electric vehicles and vehicle engineering technologies has generated a great deal of progress and welfare to the life of human beings. This is particularly true in the current times where mankind faces serious risks due to the well-known pandemic and global warming. Safe and clean transportation is more relevant than ever in history. We must redouble our research efforts to deliver solutions that improve the mobility of individuals and goods by making use of the latest electric and vehicle engineering technologies. It is our call as researchers.

We truly believe that CEVVE 2024 will provide the best platform for all the participants to have fruitful discussions and share research ideas on Electric Vehicles and Vehicle Engineering, demonstrating their recent novel research progresses and results at the conference. We do wish all of you to have a memorable experience at the conference and seize this opportunity to promote future international collaborations.



# CEVVE 2024

2024 2ND INTERNATIONAL CONFERENCE ON  
ELECTRIC VEHICLE AND VEHICLE ENGINEERING

## ORGANIZING COMMITTEE



### CONFERENCE CHAIRS



**Pak Kin Wong**  
University of Macau  
China



**Jun Xu**  
Xi'an Jiaotong University  
China



**Hongming Xu**  
Tsinghua University  
China

### CONFERENCE CO-CHAIRS



**Zhenhai Gao**  
Jilin University  
China



**Chunhua Zheng**  
SIAT, Chinese Academy of Sciences  
China

### PROGRAM CHAIRS



**Chao Huang**  
The Hong Kong Polytechnic University  
China



**Xin Xu**  
National University of Defense Technology  
China



**Pascal Lorenz**  
University of Haute-Alsace  
France

# KEYNOTE SPEAKERS FOR CEVVE 2024

## Prof. Constantinos Antoniou

Technical University of Munich, Germany

Professor Antoniou holds a degree in civil engineering from the National Technical University of Athens in Greece (1995) as well as a master's degree in transportation (1997) and a PhD in transportation systems (2004) from MIT (USA).

He has authored more than 500 scientific publications, including more than 180 papers in international, peer-reviewed journals, 270 published in international conference proceedings, three books and 30 book chapters. He is a member of several scientific organizations and committees, including the Transport Research Board and the Road and Transportation Research Association (FGSV).



## Prof. Hongming Xu

Tsinghua University, China

Hongming Xu is Professor of Energy and Automotive Engineering and Head of the Vehicle Technology Research Centre. He is Director of Birmingham CASE Automotive Research and Education Centre.

He has 6 years of industrial experience with Jaguar Land Rover and Premier Automotive Group of Ford. He researches synergies between fuel, propulsion and after-treatment technologies for cleaner road vehicles.

He has 450+ publications (including 200+ refereed journal papers and 200+ conference publications) in engine flow, combustion, emissions, transient operation control and hybrid electric powertrain development involving both experimental and modelling studies. His current main research area is new fuels and electrified powertrains with artificial intelligence based control and optimisation.

# SPECIAL SESSIONS FOR CEVVE 2024



## GENERAL INTRODUCTION

The upcoming conference promises to be a dynamic and engaging event, featuring **nine special sessions** dedicated to exploring the latest advancements in electric vehicles and vehicle engineering. We invite researchers, industry professionals, and thought leaders to submit their papers that delve into innovative technologies, sustainable practices, and emerging trends within these exciting fields.

### SPECIAL SESSION I

Dynamics and Control of  
Distributed-drive Electric Vehicles

**Session Chairs:**

Prof. Shaohua Li, Shijiazhuang Tiedao University  
Prof. Lipeng Zhang, Yanshan University  
Prof. Jing Zhao, Northeastern University

### SPECIAL SESSION II

Intelligent Vehicle Chassis Design  
and Control

**Session Chairs:**

Prof. Yunfei Zha, Fujian University of Technology  
Prof. Zhiyong Zhang, Changsha University of  
Science and Technology

### SPECIAL SESSION III

Monitoring of Electric Vehicle  
Batteries and Motors

**Session Chairs:**

Associate Researcher Xianbo Wang, Hainan  
Institute of Zhejiang University  
Assoc. Prof. Fazhan Tao, Henan University of  
Science and Technology

### SPECIAL SESSION IV

Research and Development of Non-  
pneumatic Tire

**Session Chairs:**

Assoc. Prof. Xu Ting, Jihua Laboratory  
Prof. Zhou Haichao, Jiangsu University

### SPECIAL SESSION V

Intelligent Management for  
Advanced Power Battery

**Session Chairs:**

Prof. Zeyu Chen, Northeastern University  
Prof. Xiaohua Wu, Xihua University  
Assoc. Prof. Yanan Wang, Shandong University

### SPECIAL SESSION VI

Advancements in Electronic Control  
Suspension Systems

**Session Chairs:**

Prof. Panshuo Li, Guangdong University of Technology  
Prof. Donghong Ning, Ocean University of China  
Prof. Shuaishuai Sun, University of Science and  
Technology of China

### SPECIAL SESSION VII

Intelligent Decision-Making, Resilient  
Control and Trustworthy Testing for CAVs

**Session Chairs:**

Assoc. Prof. Haigen Min, Chang'an University  
Prof. Rongjie Yu, Tongji University  
Asst. Prof. Hailong Huang, Hong Kong  
Polytechnic University

### SPECIAL SESSION VIII

Advanced Thermal Management of  
Electric Vehicles

**Session Chairs:**

Prof. Jun Xu, Xi'an Jiaotong University  
Research Associate Zhechen Guo, Xi'an  
Jiaotong University

### SPECIAL SESSION IX

Advanced Perception, Localization, and Control  
for Intelligent and Connected Vehicles

**Session Chairs:**

Assoc. Prof. Guangwei Wang, Guizhou University  
Prof. Jin Zhao, Guizhou University



# CALLING FOR PAPERS CEVVE 2024



## TOPICS INCLUDING BUT NOT LIMITED TO:

- Active and Passive Vehicle Safety
- Battery design and performance
- Collision Avoidance
- Driver Behavior and Risk Assessment
- Eco-driving and Energy-efficient Vehicles
- Environment Perception and Recognition
- Image, Radar, Lidar Signal Processing
- Impact on Traffic Flows
- Intelligent Transportation System
- Intelligent sensors
- Intelligent Decision and Motion Control
- Integrated Safety of Road Users
- Intelligent Decision and Motion Control
- Intelligent Ground, Air and Space Vehicles
- Multi-Sensor Information Fusion
- Navigation and Localization Systems
- Power Electronics and Motor Drives
- Proximity Detection Technology
- Road Vehicle Dynamics and Control
- Smart Mobility
- Vehicle On-board Diagnostics

## SUBMISSION NOTES

1. Manuscripts submitted to the conference should be written in English only.
2. Manuscripts submitted to the conference should follow the template provided: Full Paper Template, Abstract Template
3. Manuscripts can be submitted in Doc, Docx and PDF format.
4. Oral or Poster presentations should be nominated while submitting an abstract.
5. The ordinary length is suggested no less than 5 pages, including all figures, tables, references, and appendices. If the paper exceeds 6 pages, the additional pages will be charged at the time of registration.

