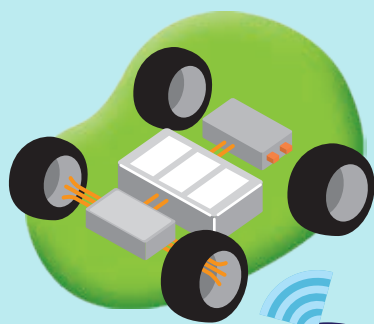


Call for Paper



Technologies for Future Mobility by

XEV



EVTeC 2025

THE 7TH INTERNATIONAL ELECTRIC VEHICLE
TECHNOLOGY CONFERENCE

MAY 19-21 2025

PACIFICO YOKOHAMA, JAPAN

Organized by Society of Automotive Engineers of Japan, Inc. (JSAE)
In-person Event

Important Dates

Deadline for Extended Summary: October 25 2024
Notification of Acceptance: January 24 2025
Deadline for Final Manuscript: March 21 2025

Extended Summary Submission

Authors intending to present a paper at EVTeC 2025 are invited to submit an extended summary. The extended summary should be 2 - 4 pages of A4 size (including figures) and should clearly reflect the contents of the paper.

<https://evtec.jsae.or.jp/2025/>

Introduction

"Technologies for Future Mobility by xEV"

Organized by JSAE, most highly valued Japanese academic society of automotive engineers in the world, EVTeC is a conference that focuses on technologies for future mobility by xEV such as BEVs, HEVs, FCEVs, PHEVs and various other related technologies. The first EVTeC was held in May 2011 with great success. Despite being held immediately after the Great East Japan Earthquake, it featured 66 presented papers and was attended by 230 participants. The second EVTeC was successfully held in May 2014, featuring 90 papers and 264 participants. The third EVTeC in May 2016, was also a success with 101 papers and 293 participants. The fourth was held jointly with EVS organized by JARI as EVS 31 & EVTeC in October 2018 in Kobe, with the scale expanding to 317 papers and 1160 participants in the symposium. After this joint EVS, the fifth EVTeC in May 2021 was held independently online, and attracted 90 papers and 250 participants, even under the circumstances of the COVID-19 pandemic. The last EVTeC 2023 was successfully held at Pacifico Yokohama, with the scale expanding to 95 papers and 350 participants.

EVTeC 2025 will be held at Pacifico Yokohama, aimed at a face-to-face conference alongside the JSAE Annual Spring Congress including a 100,000 person-scale exhibition. Participation in the Spring Congress and exhibition is free of charge for EVTeC participants, and these events provide an excellent opportunity to experience the front line of activities in Japan firsthand.

Countries around the world are pinning much hope on the electrification of vehicles and putting much effort to enhance the related technologies, toward "carbon neutral transportation" as an effective means and a strong policy to cope with global warming problems. As part of these initiatives, along with innovative advances in batteries and other component technologies, the evolution towards vehicle traction electrification has been steadily promoted.

In recent years, in addition to partnerships with electric power systems, we have also started exploring the potential creation of value and provision of services based on new perspectives such as CASE (connected, autonomous, shared, and electric) on the back of advances in information technology.

We trust that EVTeC 2025 will fulfill its promise as a prestigious forum for international discussion on the topics of new mobility contributing to carbon neutrality and smart society.

We are looking forward to seeing you in Yokohama in May 2025!

Committee

Chairperson:

Kan AKATSU (Yokohama National University)

Vice Chairperson:

Takehiro IMURA (Tokyo University of Science)

Toshifumi TAKAOKA (TOYOTA MOTOR CORPORATION)

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Makoto UCHIDA (University of Yamanashi)

Kenichiro UEDA (Honda R&D Co., Ltd.)

Conference Topics (tentative)

Vehicle & Transportation Systems

A-1 Battery Electric Vehicles

A-2 Plug-in Hybrid Electric Vehicles

A-3 Hybrid Electric Vehicles

A-4 Fuel Cell Electric Vehicles

A-5 Heavy Duty Vehicles & Buses

A-6 Light Vehicles & Personal Mobility

A-7 Two - & Three -Wheelers

A-8 Welfare & Senior Vehicles

A-9 Off-Road & Industrial Vehicles

A-10 Railway Vehicles, Electric Ships, Airplanes and Flying Vehicles/Objects

Connected and Autonomous Technologies

B-1 AI/Deep-learning

B-2 Autonomous Technologies

B-3 Connected Technologies

B-4 Intelligent Transportation Systems

B-5 Sensing, Driver Monitoring and ADAS

B-6 Cyber Security

Infrastructure

C-1 V2H & V2G Energy Management

C-2 Energy Supply & Charging Infrastructure

C-3 Hydrogen Fueling Infrastructure

C-4 Sustainable Energy & Energy Security

C-5 Environmental & Social Impact

C-6 Recycle, Reuse & Life Cycle Analysis

Public Policy & Promotion

D-1 International Networking

D-2 Public Policy & Promotion

D-3 Standardization

Energy Supply & Storage Systems

E-1 Batteries

E-2 Capacitors

E-3 Other Energy Storage Systems

E-4 Fuel Cells & Systems

E-5 AC&DC Charging Systems

Propulsion Systems & Components

F-1 Drive & Propulsion Systems

F-2 Electric Motor Drive

F-3 Electric Machine

F-4 E-Axle/E-Platform

F-5 Thermal and Cooling Management of Drive Systems

F-6 NV Characteristics of Drive Systems

F-7 Auxiliary Components & Sensors

F-8 Vehicle Motion & Stability Control

Power Electronics Components

G-1 Power Electronics Subsystems

G-2 Power Semiconductor Devices & Highly Integrated Modules

G-3 Wide Band Gap Devices & Related Issues

G-4 Packaging, Cooling & Heat Transfer

G-5 Magnetics, Capacitors, Bus Bar & 3D Integrations

G-6 Sensors for Motors & Converters

G-7 Harnesses, Connectors & Protection/Distribution Devices

Wireless Power Transfer

H-1 Static Wireless Power Transfer

H-2 Dynamic Wireless Power Transfer

H-3 Bidirectional Wireless Power Transfer

H-4 Wireless High Power Transfer

H-5 Electromagnetic Compatibility for WPT

H-6 Health and Safety Considerations for WPT

H-7 AGV and Other Applications for WPT

Other Related Topics

I-1 Modelling & Simulation

I-2 Measuring Methods

Contact

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