

Introduction

"Future Mobility beyond CASE"

Organized by the JSAE, the leading academic society of automotive engineers in Japan, EVTeC is a conference that focuses on EVs, HEVs, FCVs, PHVs and various other related technologies. The first EVTeC was held in May 2011 with great success. Despite being held just after the Great East Japan Earthquake, it featured the presentation of 66 papers and gathered 230 participants. The second EVTeC was successfully held in May 2014, featuring 90 papers and 264 participants. The third EVTeC was held in May 2016, which was also a success with 101 papers and 293 participants. The fourth was held jointly with EVS organized by JARI as EVS 31 & EVTeC 2018 in Kobe, October, resulting in the scale expansion of 317 papers and 1160 participants for the symposium.

EVTeC 2021 will be held at Pacifico Yokohama, alongside the JSAE Annual Spring Congress. More than 90,000 people are expected to visit the exhibition. Participation in the Spring Congress and exhibition is free of charge for EVTeC participants, and these events provide an excellent opportunity to see the forefront of activities being carried out in Japan.

Countries around the world are pinning much hope on electric vehicles and putting much effort in their popularization, as a means of dealing with global warming problems, extricating themselves from dependence on oil and addressing energy conservation. As part of this, along with innovations in batteries and other component technologies, evolution of EV bodies have been steadily promoted.

Furthermore, in recent years, in addition to partnerships with electric power systems, we have also begun exploring the potential for creating value and providing services based on new perspectives such as CASE (connected, autonomous, shared, and electric) on the back of advances in information technology. It is our hope, therefore, that EVTeC 2021 will serve as a forum for international discussion on the topics of new mobility beyond CASE in the form of next-generation electric vehicles and smart society.

We are really looking forward to seeing you in Yokohama in May 2021!

Important Dates

Deadline for Extended Summary:	30 October 2020
Notification of Acceptance:	29 January 2021
Deadline for Final Manuscript:	24 March 2021
Deadline for Presenter's Registration:	24 March 2021

Official Language for Paper & Presentation

The official language of the Conference is English.

Contact

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✉ E-mail: evtec2021-p@jtbcom.co.jp

Website

<https://www.evtec2021.jp>

Extended Summary Submission

Authors intending to present a paper at EVTeC 2021 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.

The following will be necessary for submission:

1. Title of paper
2. Name of author(s)
3. Affiliation(s)
4. Conference Topics (up to 3, selected from conference topics)
5. Extended Summary (2 - 4 pages)
6. Corresponding Author
Name, Affiliation, Address, E-mail address,
Telephone number

The final manuscript should be 4 - 8 pages of A4 size. Electronical submission is available for the extended summary and final manuscript. No fax or e-mail submission is accepted.

For further information, please visit the following website:

<https://www.evtec2021.jp/cfp.html>

5th

International Electric Vehicle Technology Conference

EVTeC 2021

Call for Papers



"Future mobility beyond CASE"

24-26 May 2021, Pacifico Yokohama, Japan



Organized by

Society of Automotive Engineers of Japan, Inc. (JSAE)

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WEVA

Conference Topics

A Vehicle & Transportation Systems

A-1 Electric Vehicles

A-2 Plug-in Hybrid Vehicles

A-3 Hybrid Electric Vehicles

A-4 Fuel Cell 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

A-11 Electric Ships, Airplanes and Flying Vehicles/Objects

B 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

C 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

D Marketing & Promotion

D-1 International Networking

D-2 Public Policy & Promotion

D-3 Standardization

E Energy Supply & Storage Systems

E.1 Batteries

E.2 Capacitors

E.3 Other Energy Storage Systems

E.4 Fuel Cells

E.5 AC&DC Charging Systems

F Propulsion Systems & Components

F-1 Drive & Propulsion Systems

F-2 Electric Motor Drive

F-3 Electric Machine

F-4 Auxiliary Components & Sensors

F-5 Vehicle Motion & Stability Control

F-6 Components for Transportation System

F-7 Superconductivity Energy Transfer

G 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

H 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

H-6 Health and Safety Considerations

H-7 AGV and Other Applications

I Other Related Topics

I-1 Modelling & Simulation

I-2 Measuring Methods & Equipment