

Call for

SETC
2022 Digital and In-Person

The **26th**

S SMALL
E POWERTRAINS AND
N ENERGY SYSTEMS
T TECHNOLOGY
C CONFERENCE

DUE DATES

Abstracts: **January 31, 2022**

Draft manuscripts: **April 27, 2022**

Final manuscripts: **July 30, 2022**

Papers

October 31 – November 3, 2022

Himeji, Hyogo, Japan (Venue: Arcrea HIMEJI) and online

FOREWORD

Society of Automotive Engineers of Japan (JSAE) is pleased to announce that the 26th Small Powertrains and Energy Systems Technology Conference (SETC2022), digital and in-person, will be held at Arcrea HIMEJI in Himeji, Hyogo, Japan. The conference is jointly sponsored by JSAE and SAE International with the support of Japan Land Engine Manufacturers Association (LEMA).

JSAE is asking you to share your experience and knowledge on small powertrain applications by submitting an abstract for the SETC2022. Attendees are also encouraged to meet experts of OEMs, suppliers and academia from around the world, and discuss the challenges and developments in small powertrains and energy systems technology with them. This is the reason why JSAE is going to hold the conference in such a way that you will attend either in person or through our digital offering.

For more information about SETC, please visit the following website.

<https://www.setc-jsae.com/>



MAIN SUBJECT AREAS

SETC Applications

Vehicles with Motor such as ATVs, Motorcycles, Scooters, Personal mobility vehicles, Marine products, Snowmobiles, Recreational vehicles, Utility vehicles, Power assist devices, Assisted bicycles and Unmanned vehicles.

Machineries with Motor such as Snow plows and blowers, Portable power generators, Agricultural machinery, Gardening equipment, Hand tools, Small and micro-combined heat and power systems.

Note: Automobiles, Large vessels, Large aircraft, Locomotives, and Spaceships are out of the subject.

SETC Technologies

Combustion Engines such as 2- and 4-stroke, Spark ignition, Diesel, HCCI, Unconventional and Competition.

New Energy Sources such as Hybrid, Electric drive, Fuel cells, Thermoelectric generator and Organic Rankine cycle.

Components such as Chassis, Suspensions, Brakes, Transmissions, Drivetrains, Electrical systems, Electronics, Fuel supply systems and Wheels & tires.

Development Technologies such as Numerical simulations, Measurements and Production technologies.

Fuels, Lubricants, and Tribology such as Alternative fuels, Fuel reformations, Additives, Friction losses and Wear.

Vehicle Technologies such as Dynamics, Drivability, Safety and Human factors & ergonomics.

Environmental Impacts such as Noise, Vibration, Emissions, Fuel efficiencies, After treatment, Life cycle management and Recyclability.

Materials such as Composites, Metal alloys, Ceramics, Resins, New materials and Material processing.

Manufacturing Technologies such as Heat and surface treatments, Forging, Casting, Machining, 3D printing, Assembling and Rigging.



NEWLY PLANNED SESSION

SETC would like to be a beneficial conference for many participants by providing an opportunity to widely introduce new products, new services and the technologies used in these products or services. For its aim, the **New Product Technology Session** is

newly planned in this SETC2022. If you have an interest and want to give a presentation of your products or services, please visit the SETC2022 web site (<https://www.setc-jsae.com/npts/npts.pdf>) to enter for this session. The conference registration fee for the

presenter of this session will be free or discounted. Please check the web site for more information. We look forward to your entry.



PAPER INSTRUCTION

1 LANGUAGE : English

No simultaneous interpretation will be provided.

2 Submission of Abstract (On-line submission)

Abstracts must be submitted online via SETC website page to only ONE session, with 300 to 500 words.

Upon submission, you will receive an automatic reply with your paper offer number. If you do not receive a paper offer number at that point, please retry on-line submission or contact the secretariat shown on the bottom of this page.

The following information will be required during on-line submission process:

- A summary that states the objective of the paper/presentation
- Paper title
- Name of the author and co-authors and all contact information required
- Selection of the most appropriate technical session

The abstract should clearly state:

- The main issues and conclusions
- The process by which the conclusions were reached
- The significance of the work to progress of the relevant engineering area

Paper Entry System will be opened on December 1, 2021

URL: <https://tech.jsae.or.jp/setc2022/>

3 Papers/Presentations

The papers should be written and presented at the conference, which should be applications oriented. No paper will be accepted without a presentation.

- The papers should be prepared in hard metric (SI) units.
- Material of a purely descriptive nature or containing commercialism should be omitted.
- Final manuscripts should make a contribution to the state-of-the-art technology or present a comprehensive review, be of high technical quality with conclusions supported by technical data.
- A presenting author, when his/her final manuscript accepted, is asked to make on-line advanced registration via SETC website linked to the registration system and also to bring his/her own PC for presentation to the venue.
- Excellent papers and presentations will be awarded prizes.
- Your technical paper could be selected for SAE journal.

CONFERENCE INFORMATION

Information for Exhibition

OEMs, suppliers and academia will be given an opportunity to exhibit products and technical information during the conference at the venue.

Information for Poster Session

Poster session in conjunction with technical session will be also provided to graduate & undergraduate university students, and their researchers.

Information for Advertisements and Sponsorship

The opportunity to post advertisement banner and/or advertisement on the preliminary & final program will be offered. Furthermore, conference sponsorship program for some digital materials will be planned. Information will be available at the SETC website soon. For further information, please contact the SECRETARIAT.

Other Information

Other information such as access to venue, travel information, VISA and etc. will be available at SETC website.

Information on the Web

For more information about SETC, please visit the following website.

<https://www.setc-jsae.com/>



LOCAL INFORMATION

The city of Himeji is located at southwestern part of Hyogo Prefecture in the Kansai region of Japan, surrounded by mountains and the sea, the city has developed as a transportation hub of western Japan.

Himeji is very famous for its magnificent castle, 'Himeji Castle', registered both a national treasure and a UNESCO world heritage site. Blessed with a mild climate and natural beauty, the city has realized excellent cultural characteristics through its long history as a castle town.



Venue for SETC2022 "Arcrea HIMEJI".

A world heritage "Himeji Castle". ©Himeji City

A traditional Japanese landscape garden "Koko-en". ©Himeji City

