

Call for Papers

The **25**th

SMALL ENGINE TECHNOLOGY CONFERENCE

SETC
2019



**VENUE: International Conference
Center Hiroshima**

DATES: November 19 to 21, 2019
Technical visit on November 18

DUE DATES

Abstracts: January 31, 2019
Draft manuscripts: April 30, 2019
Final manuscripts: July 31, 2019



Society of Automotive Engineers of Japan, Inc.



INTERNATIONAL

Patronage of **FISITA**

FOREWORD

Society of Automotive Engineers of Japan Inc. (JSAE) announces that the 25th Small Engine Technology Conference (SETC) will be held at International Conference Center Hiroshima, Japan, from 19th through 21st of November, 2019. The conference is jointly sponsored by JSAE and SAE International, and is supported by Japan Land Engine Manufacturers Association (LEMA).

JSAE would like to encourage researchers and engineers of technical fields intended for the conference to submit draft papers. In addition, participants from various fields and interests are invited to the conference to exchange innovative ideas. This networking opportunity contributes to sharing knowledge and information with key persons of the technological fields. The keynote speeches and the plenary session expand your scope of expertise together with the exhibition and the technical visit. Linked with these technical activities, posters from academia are also presented to show the progressions in various research fields.

MAIN SUBJECT AREAS

- **Product Categories** focused in this conference include;
Vehicles with motor such as ATV, Motorcycle, Scooter, Personal Mobility Vehicle, Watercraft, Outboard motor, Snowmobile, Recreational Vehicle, Utility Vehicle, Power Assist Device, Assisted Bicycle and Unmanned Vehicle.
Machineries with motor such as Snow Plow/Blower, Portable Power Generator, Agricultural Machine, Gardening Apparatuses, Hand Tools and Powered Exoskeleton, Small and Micro Combined Heat and Power Systems.
Technologies applicable for the products above are to be presented.
Please be sure Automobiles, Large Vessels, Large Aircraft, Locomotives and Spaceships are out of the subject.
- **Technological Areas** focused in this conference include;
Combustion Engines such as 4 stroke Engine, 2 stroke Engine, Spark Ignition Engine, Diesel Engine, HCCI Engine, Unconventional Engine and Competition Engine.
New Energy Sources such as Hybrid Drive, Electric Drive, Fuel Cells and Solar Cells.
Components such as Chassis, Suspensions, Brakes, Transmissions, Drivetrains, Electrical Systems, Electronic Systems, Fuel Supply Systems and Wheels & Tires.
Development Technologies such as Numerical Simulations, Model Based Development (MBD), Measurements and Production Technologies.
Fuels, Lubricants and Tribology such as Alternative Fuels, Fuel Reformations, Additives, Friction Loss and Wear.
Vehicle Technologies such as Dynamics, Drivability, Safety Technology, Functional Safety and Human Factors & Ergonomics.
Environmental Impacts such as Noise, Vibration, Emissions, Fuel Efficiency, After-treatment and Life Cycle Management & Recyclability.
Materials such as Composites, Metal Alloys, Heat & Surface Treatment, New Material and Material Processing.



1. LANGUAGE: English

No simultaneous interpretation will be provided.

2. Submission of Abstract

We kindly ask prospective researchers and engineers in a diversified field of technologies and products with power source to submit electronic abstracts of 300 to 500 words on-line via SETC website (URL: <http://www.setc-jsae.com/>) linked to JSAE Paper Entry System. You will receive a reply upon your submission.

The abstract should include:

- Tentative paper title
- Author's full names (Main and Co-author(s)), together with affiliation name, mailing address, e-mail address, telephone (and fax) numbers

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

Abstract is to be received on-line from December 2018

3. Paper and Presentation

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

- The paper should be described using hard metric (SI) units.
- Material of a purely product introductive 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 is accepted, is asked to make on-line advanced registration via SETC website linked to the registration system. A presenting author should bring his/her own PC for presentation to the venue.
- Excellent papers and presentations will be awarded prizes.
- Your technical paper could be eligible for SAE Journal if qualified.

4. Exhibition and Poster Session

OEMs, suppliers and academia will be given an opportunity to exhibit their products and technical information during the conference at the venue. Poster session in conjunction with technical session will be also provided to graduate and undergraduate university students, and their researchers.

Excellent poster will be awarded a prize.

5. Advertisements and Sponsorship

The chance to post your company's advertisement banner and/or advertisement on the preliminary and the final program will be offered.

Furthermore, conference sponsorship program for the Welcome Reception and other events will be planned. Information will be available at the SETC website in the autumn of 2018.

HIROSHIMA CITY

Hiroshima is a beautiful city blessed with a rich natural environment, nestled between lush green mountains and the tranquil Seto Inland Sea, with six rivers flowing through its center. For beautiful city landscapes that coexist harmoniously with nature, look no further than Hiroshima!

Search Words for Hiroshima

- UNESCO World Heritage Site "ITSUKUSHIMA SHINTO SHRINE"
- Hiroshima Delicacy "OKONOMIYAKI" & "OYSTERS"

ACCESS

http://visithiroshima.net/plan_your_trip/directions_and_maps.html

<https://www.hiroshima-navi.or.jp/en/access/>



INFORMATION ON THE WEB

SETC website

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

Japan Travel Guide

<http://www.japan-guide.com/e/e2160.html>

Hiroshima City & Hiroshima Prefectural Government

<http://www.pref.hiroshima.lg.jp/site/english/>

International Conference Center Hiroshima (Venue)

<http://www.pcf.city.hiroshima.jp/icch/english.html>

Welcome to Hiroshima movie

<https://youtu.be/IskIoN1RCsY>

SAE Journals

<https://www.sae.org/publications/journals>

