



# *ICE2021*

**15<sup>th</sup> International Conference  
on Engines & Vehicles**

**September 12<sup>th</sup> - 16<sup>th</sup>, 2021 @ Capri · Naples · Italy**

**ICE2021** is organized by **SAENA**, a section of SAE International, in cooperation **FKFS** (Research Institute of Automotive Engineering and Vehicle Engines Stuttgart- Germany) and **STEMS** (Institute of Science and Technology in Energy and Sustainable Mobility - Naples, Italy), the brand new Institute powered by our institutional partner **Istituto Motori-CNR of Naples** (Italy).

Prospective authors are invited to submit abstracts of 300 words or less for review by the General Committee. Abstracts will be submitted on-line and managed by the SAE International.

Upon submission, the paper tracking number will be sent by email.

Paper acceptance will be based on organizer moderated peer-reviews of review-ready manuscript.

Authors should prepare their papers according to SAE International format.

For additional information, please contact ICE2021 Secretary by [email](#) and/or visit [SAENA website](#) and/or visit [ICE2021 website](#)

### DEADLINES

**Abstracts due to SAE::** March 15<sup>th</sup>, 2021

**Draft Manuscript due to organizers::** May 03<sup>rd</sup> 2021

**Final Manuscript due to SAE::** July 08<sup>th</sup>, 2021

### TOPICS OF THE CONFERENCE

#### Hybrid and Electric Powertrains & Eco\_CAV

- Advanced Hybrid and Electric Vehicle Powertrains
- Controls for Hybrids and Electric Powertrains
- Advanced Fuel Cell Vehicle Applications
- Range Extending Engines
- Energy storage
- Energy efficient Automated Vehicles

#### Engine Combustion

- Combustion In Spark Ignition Engines
- Combustion in CI Engines
- HCCI/PCCI/RCCI/DF
- Combustion in Gaseous-Fueled Engines
- Abnormal Combustion Knock, Preignition SPI and LSPI

#### Engine Modeling and Controls

- 0-D and 1-D Modeling and Numerics
- Multi-Dimensional Engine Modeling
- Combustion and Flow Diagnostics
- Engine Management and Control

#### New Engines, Components, Actuators, & Sensors

- CI & SI Engines Technology
- Engine NVH
- Thermal Management
- Engine Boosting Systems
- Alternative Engine Architectures
- Enabling Technologies

#### Emissions and Emissions Controls

- Exhaust Emission Control Systems
- Emission Control Modeling
- Emissions Measurement and Testing
- Particle Emissions from Combustion Sources
- Low Temperature Catalysis

#### Fuels and Lubricant Technologies

- Fuel Injection and Sprays: Modeling
- Fuel Injection and Sprays: Experiments
- Alternative and Advanced Fuels
- Automotive Lubricants

**CONFERENCE CHAIRS** Prof. Dr. Ing. Michael **Bargende** (FKFS) & Dr. Bianca M. **Vaglieco** (STEMS)

**CONFERENCE ORGANIZERS** Dr. Eng. Silvana **Di Iorio** & Dr. Eng. Ezio **Mancaruso** (STEMS | SAENA)