

# Joint Meeting of the Italian and Spanish Sections of The Combustion Institute

Dedicated to Prof. Amable Liñán

Villa Fondi | Piano di Sorrento | May 26-29, 2026



## FINAL ANNOUNCEMENT AND CALL FOR PAPERS

ASICI

Associazione Sezione Italiana  
del Combustion Institute



SEIC

Sección Española del  
Instituto de Combustión

---

# Joint Meeting of the Italian and Spanish Sections of The Combustion Institute *Dedicated to Prof. Amable Liñán*

**Villa Fondi - May 26-29, 2026**

*Via Ripa di Cassano, 26, 80063, Piano di Sorrento, NA, (Italy)*

The Joint Meeting of the Italian and Spanish Sections of The Combustion Institute will take place in Piano di Sorrento, Italy, from May 26 to 29, 2026, at the stunning Villa Fondi. Designed to encourage collaboration and lively scientific exchange, the meeting will feature a welcoming and informal atmosphere that brings together scientists and technologists engaged in combustion research and related fields.

The technical program will cover both fundamental and applied aspects of combustion, as well as related areas including pyrolysis, gasification, fuel processing, and fuel upgrading. A special emphasis will be placed on net-zero-emission systems for energy and transportation. Ph.D. students and early-career researchers are particularly encouraged to participate. The conference will include **oral presentation sessions**, a **poster session** an **industrial round table** and **plenary lectures** held in both the morning and the afternoon. A **Women in Combustion (WiC)** event will bring together young researchers and Ph.D. students for a *networking lunch* with leading women in combustion science, fostering discussion and mentorship.

---

## **Main Topics:**

**Low-Emission Combustion Technologies:** including low-carbon and hydrogen-based fuels, MILD combustion, oxy-fuel combustion, chemical looping, NO<sub>x</sub> and SO<sub>x</sub> reduction, and CO<sub>2</sub> capture strategies.

**Reaction Kinetics:** including the kinetics of hydrocarbons and alternative energy carriers, formation of pollutants, elementary and mechanism generation and reduction.

**Laminar and Turbulent Flames:** including experiments, theory, and modeling applied to ignition, propagation, extinction, stabilization, dynamics, and instabilities.

**Spray, Droplet, and Supercritical Combustion:** including atomization, combustion of droplets, sprays, and supercritical fluids.

**Detonation, Explosion, and Supersonic Combustion:** including rotating- and pulse-detonation engines, constant volume combustion engines, and scramjet engines.

**Forest and Wildland Fires:** including fundamental aspects of ignition and flame acceleration, fire inception and propagation, safety and forest fires aspects.

**Solid Fuel Combustion:** including fundamental aspects related to pyrolysis, oxidation, gasification, and ash formation from coal, biomass, and wastes, as well as combustion of propellants and metals.

**Propulsion and Engines:** including device-specific aspects of fuels, emissions, injection, stability, combustion dynamics, internal combustion engines, gas turbines, and rocket engines.

**Soot, Nanomaterials, and Large Molecules:** including the formation, growth, and destruction of soot, PAHs, carbon nanostructures, and other nanoscale materials.

**Multi-Physics Phenomena:** including assisted combustion (plasmas, electric and magnetic fields), catalysis, coupled heat transfer, micro-channel reactors, fuel cells, fuel synthesis and transformation, and electrolysis.

**Numerical Combustion:** including discretization and meshing techniques, high-order methods, high performance computing, machine learning, artificial intelligence, uncertainty quantification, experimental design, and generation of numerical data.

---

---

## Invited Speakers

**María U. Alzueta** (University of Zaragoza, Spain)



**Francesco Creta**  
(Sapienza University of Rome, Italy)



**Peyman Givi** (University of Pittsburgh, USA)



**Roberto Solimene**  
(Consiglio Nazionale delle Ricerche, Italy)

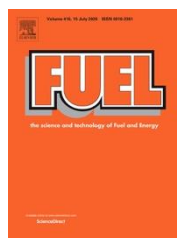


---

### Special Issue Publications:

Selected papers from the conference proceedings will be published in Special Issues on ***Fuel*** and ***Flow, Turbulence and Combustion***.

*Papers will be selected after the conference and the authors will be invited separately.*



---

### Instructions to authors:

All presentations at the meeting will be oral. Those wishing to present a paper at the conference should send by email ([info@combustion-institute.it](mailto:info@combustion-institute.it)) an extended abstract, **indicating the most closely related topical area** among those listed above, no later than **May 8<sup>th</sup>**. The extended abstract (maximum 4 pages) should conform to the template available on the ASICI website ([www.combustion-institute.it](http://www.combustion-institute.it)).

Those wishing to present a work-in-progress (poster presentation) should send by email ([info@combustion-institute.it](mailto:info@combustion-institute.it)) a 1-page abstract no later than **May 15<sup>th</sup>**. The WIP abstract should conform to the template available on the ASICI website ([www.combustion-institute.it](http://www.combustion-institute.it)).

**Oral presentations:** Each presentation should be **15 minutes** including time for questions.

**WIP poster presentation:** Posters must be in **A0 format** portrait orientation (841 mm x 1189 mm)

The best presentations delivered by students or young researchers will be awarded during the meeting.

---

---

## Registration Details:

The following registration fees will apply:

### ***REDUCED Registration (for students) :***

350 EURO (before **May 15th**); 400 EURO (after **May 15th**)

### ***FULL Registration***

450 EURO (before **May 15th**); 500 EURO (after **May 15th**)

payable to: "Associazione Sezione Italiana del Combustion Institute" (registration form and payment details in the link below).

Registration Link: <https://forms.gle/YY3g2eUMH5ZHCGC4A>

Registration fee includes attendance to the technical sessions, conference proceedings, welcome cocktail, lunches and coffee breaks, and social dinner.

---

## Accommodation Information:

[https://www.combustion-institute.it/images/48meet/Suggested\\_Accommodation-JMITES.pdf](https://www.combustion-institute.it/images/48meet/Suggested_Accommodation-JMITES.pdf)

**Note: We recommend to book your accommodation as early as possible.**

## How to reach the Venue and Transportation Information:

[https://www.combustion-institute.it/images/48meet/How\\_to\\_reach-JMITES.pdf](https://www.combustion-institute.it/images/48meet/How_to_reach-JMITES.pdf)

---

## Social Events:



**TUESDAY, MAY 26  
WELCOME COCKTAIL**

***BAR SYRENUSE***  
***Via Sant'Antonino, 1, 80067 Sorrento***



**THURSDAY, MAY 28  
SOCIAL DINNER**

***CIRCOLO DEI FORESTIERI***  
***Via Luigi de Maio, 35, 80067 Sorrento***

---

---

## Supporting Institutions



DI  
C  
Ma  
PI



DIPARTIMENTO DI  
INGEGNERIA  
INDUSTRIALE

Consiglio Nazionale delle Ricerche  
**STEMS**

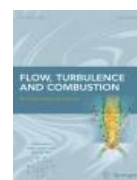
## Bronze Sponsors



## Contributing Sponsors



## Media Partners



---

## Conference Co-Chairs

Dr. Mario Commodo (CNR-STEMS) – ITA

Prof. César Dopazo (UNIZAR) - ES

## Steering and Organizing Committee

Dr. Giancarlo Sorrentino (CNR-STEMS) - ITA

Dr. Carmen Jiménez (CIEMAT) - ES

Prof. Giuseppe Langella (UNINA) – ITA

Dr. Daniel Martínez-Ruiz (UPM) - ES

Prof. Fabio Montagnaro (UNINA) – ITA

Prof. Francisco Tinaut (UPV) - ES

Prof. Mariano Sirignano (UNINA) – ITA

Prof. María U. Alzueta (UNIZAR) - ES

Dr. Gianluigi De Falco (CNR-STEMS) – ITA

Dr. Daniel Mira (BSC) - ES

## Contact Point

Dr. Giancarlo Sorrentino

E-mail: [info@combustion-institute.it](mailto:info@combustion-institute.it)



### ASICI

Associazione Sezione Italiana del  
Combustion Institute  
P.le V. Tecchio, 80 – 80125 Napoli – Italia  
[www.combustion-institute.it](http://www.combustion-institute.it)  
E-mail: [info@combustion-institute.it](mailto:info@combustion-institute.it)

### SEIC

Sección Española del  
Instituto de Combustión  
Royal Academy of Engineering (RAI)  
C. Don Pedro, 10 - 28005 Madrid- España  
E-mail: [seinstitutocombustion@gmail.com](mailto:seinstitutocombustion@gmail.com)

---