

2022 Italy Section of The Combustion Institute Report

Section Website: <https://www.combustion-institute.it/>

Section Chair: Mario Commodo

Section officers and board members with titles:

- Officers
 - Dr. Mario Commodo – STEMS-CNR – Chair
 - Dr. Giancarlo Sorrentino – STEMS-CNR – Secretary
 - Prof. Francesco Creta – Università di Roma La Sapienza
 - Dr. Roberto Solimene – STEMS-CNR
 - Dr. Alessandro Della Rocca – Tenova S.p.A
 - Prof. Mariano Sirignano – Università Federico II di Napoli
 - Prof. Alberto Cuoci – Politecnico di Milano
 - Prof. Maria Grazia De Giorgi – Università del Salento
 - Dr. Gianluca Rossiello – ITEA S.p.A. Board Members
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 - Dr. Mario Commodo – STEMS-CNR – Chair
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 - Dr. Gianluca Rossiello – ITEA S.p.A.

Members of the section:

Active Members	99
Non-Student Members	74
Student Members	25

Has the section revised its by-laws since 2020?

- No

Section meetings and workshops since 2018:

- Section Meetings
 - 4 October 2021, general section assembly during the annual meeting
 - 31 March 2022, board meeting
 - 7 June 2022, general section assembly during the annual meeting
- Workshops
 - 14-15 April 2021 – 10th European Combustion Meeting, Naples, Attended by 329 registrants (Virtual meeting).
 - 3-6 October 2021 - 43rd Meeting of the Italian Section of the Combustion Institute, Ischia (Naples), Attended by 77 registrants (in person).
 - 5-8 June 2022 - 44th Meeting of the Italian Section of the Combustion Institute – Combustion for Sustainability - Naples, Attended by 90 registrants (in person).
 - 8-9 June 2022 - 2nd International Workshop on MILD Combustion - Naples, Attended by 40 registrants (in person).

Other activities:

- The Section publishes the abstracts of the annual meetings in e-books (Proceedings of the Italian Section of the Combustion Institute, identified by ISBN) and publishes on the Italian Section webpage (www.combustion-institute.it)
- January 2022 – Renewed website of the Italian Section
- May 2022 – Set-up of a LinkedIn profile of the Section (<https://www.linkedin.com/in/italian-section-of-the-combustion-institute-735407238>)

Awards given by section:

- ASICI Awards
 - For the best presentations delivered by PhD students or young researchers during the Italian Section meetings
 - Event: 43rd Meeting of the Italian Section of the Combustion Institute; October 3-6, 2021 – Hotel Le Querce - Ischia
 - Recipients:
 - Paolo Guida (KAUST)
 - Elisabetta Maria Cepollaro (STEMS-CNR)
- Event
 - 44th Meeting of the Italian Section of the Combustion Institute – Combustion for Sustainability; June 5-8, 2022 – Napoli
 - Recipients:
 - Valentina La Matta (STEMS-CNR)
 - Laura Donato (UNIFI)

Special achievements attained by section members:

- 2022 Class of Fellows
 - Fabrizio Scala, University of Naples Federico II, Italy
 - “For significant contributions to the understanding of fluidized bed combustion of high-volatile fuels, bed agglomeration, and pollutants capture using sorbents”
- 2021 Class of Fellows
 - Antonio Cavaliere, University of Naples Federico II, Italy
 - “For pioneering contributions to liquid fuel atomization, particulate formation and pollutant reduction, heterogeneous combustion, supercritical evaporation, and combustion in transitional and turbulent systems”
- Distinguished Papers at Combustion Symposium
 - Laminar Flames
 - 2021: The effect of pressure on the hydrodynamic stability limit of premixed flames
 - Antonio Attili, Rachele Lamioni, Lukas Berger, Konstantin Kleinheinz, Pasquale E. Lapenna, Heinz Pitsch, Francesco Creta
 - Reaction Kinetics
 - 2021: Automated theoretical chemical kinetics: Predicting the kinetics for the initial stages of pyrolysis
 - Sarah N. Elliott, Kevin B. Moore III, Andreas V. Copan, Murat Keçeli, Carlo Cavallotti, Yuri Georgievskii, Henry F. Schaefer III, Stephen J. Klippenstein

Does your Section plan to organize the international Combustion Institute Summer School (CI-SS)?

- No

If you selected "Yes" which year will it be carried out?

- N/A

Other information you may want to report:

- N/A