

13th Mediterranean Combustion Symposium MCS-13 Corfu – Greece 1-5 June 2025



Final Announcement

<https://www.mcs2025.com>

COMMITTEES

Program co-chairs

- **Dr. Federico Beretta**, Consiglio Nazionale delle Ricerche, Napoli – ITALY. Former Research Director at CNR. beretta@irc.cnr.it
- **Prof. Nevin Selçuk** Department of Chemical Engineering, Middle East Technical University, Ankara – TURKEY. selcuk@metu.edu.tr
- **Prof. Mohy S. Mansour**, Mechanical Power Engineering Department, Cairo University, Cairo – EGYPT. mansourm@aucegypt.edu
- **Prof. Andrea D'Anna**, Department of Chemical, Materials and Industrial Production Engineering, Università degli Studi di Napoli Federico II, Naples – ITALY. andrea.danna@unina.it

Advisory board

- **Prof. Ömer L. Gülder**, University of Toronto, Institute for Aerospace Studies, Toronto - Canada.
- **Prof. Dr. Görkem Külah**, Middle East Technical University, Chemical Engineering, Ankara - Turkey.
- **Prof. Assaad Masri**, University of Sydney, School of Aerospace Mechanical & Mechatronic Engineering, Sydney - Australia
- **Prof. Epaminondas Mastorakos**, Engineering Department, University of Cambridge, Cambridge - England.
- **Prof. William Roberts**, Clean Combustion Research Center- King Abdullah University of Science and Technology –KAUST, Thuwal - Saudi Arabia.
- **Dr. Franco Tamanini**, Factory Mutual, Norwood - USA.

Local organizer

Prof. Epaminondas Mastorakos, Engineering Department, University of Cambridge, Cambridge - England.

Thirteen Mediterranean Combustion Symposium Overview

The symposium is the thirteen in a series on combustion and related topics, held by the scientific communities from countries around the Mediterranean. The first Mediterranean

Combustion Symposium was held in Antalya, Turkey, June 1999, the second took place in Sharm El-Sheikh, Egypt, January 2002, the third in Marrakech, Morocco, June 2003, the fourth in Lisbon, Portugal, October 2005, the fifth in Monastir, Tunisia, September 2007, the Sixth in Corsica, France, June 2009, the seventh in Chia Laguna, Cagliari, Sardinia, Italy, September 2011, the eighth in Cesme, Turkey, September 2013, the ninth in Rhodes, Greece, June 2015, the tenth in Napoli-Italy, September 2017, the eleventh in Tenerife, Spain, June 2019, and the twelves was held in Luxor, Egypt, January 2023.

The Symposium has grown in the years becoming an important conference in Combustion. The quality of many of the accepted papers is considered to be within the top published papers in most combustion journals. The objective of the conference is to give combustion scientists, particularly engineers and students from the Mediterranean area, the opportunity to get together for the dissemination of state-of-the-art advances in combustion research and to enhance future collaborative research activities between scientists from different geographic areas. All topics and all the scientific/technological approaches in the combustion field are pertinent to this Symposium.

The organizing committee and the colloquia co-chairs are composed of international experts in various disciplines of combustion.

The technical program will consist of invited lectures by eminent specialists from all over the world, oral presentation of the contributed papers, flash presentations, and posters of the work-in-progress.

High-quality papers will be selected for post-conference publication in well-known combustion journals as it was for the previous symposia. We are pleased to announce that the Combustion Institute has offered another publication pathway in new CI Proceedings to be published in odd-years.

The Symposium is structured so as to maximize contact and interactions and includes an interesting social program.

CONTRIBUTED PAPERS

Submission

Submit the full paper in PDF format by email to: info@mcs2025.com

For any problem please contact: **E. Mastorakos** (em257@eng.cam.ac.uk)

Instructions

Prospective authors please follow the instructions carefully before submitting a paper.

The instructions are on the website: <https://www.mcs2025.com>

Deadlines

November 15th, 2024: Submission of full paper

January 15th, 2025: Notification of acceptance

Selection procedure

Authors are encouraged to indicate their choice of Colloquium topic, as listed below. Colloquium Co-Chairs and Program Co-Chairs will coordinate review of the manuscripts in their topic area. They will review the papers or solicit and evaluate written reviews of the papers. For manuscripts that cannot be placed in one of the Colloquium areas, reviews will be coordinated by the Program Co-Chairs.

Publication

The accepted papers will be available during the Symposium on flash memory. Papers, selected by a peer-review process, will be published in special issues of top journals as they were at the previous symposium. In addition, the Combustion Institute has offered another publication pathway in new CI Proceedings to be published in odd-years. For further information please visit our website:

<https://www.mcs2025.com>

WORK IN PROGRESS PRESENTATION/FLASH PRESENTATION

Work in Progress and/or Flash Presentation

Submit the abstract in PDF format to the following email (select one option: WIP with flash presentation – WIP without flash presentation – Flash presentation only):

info@mcs2025.com

Instructions

The Symposium organizes 3 minutes flash presentations for the WIP. In addition, Flash presentations are also offered without WIP posters. The authors can submit: WIP poster without Flash presentation, or WIP poster with Flash presentation, or Flash presentation only. The title, the authors and their affiliations and the text must fit in one page typed single space with 12 pt Times New Roman font. The maximum size of the text must be 164x230 mm. Authors' names and affiliations must be centered under the title at the top of the page.

Deadlines

March 21st, 2025: Submission of abstract

April 4th, 2025: Notification of acceptance

Publication

The WIP and Flash presentations abstracts will be available during the Symposium on flash memory.

Selection procedure

The Program Committee Co-Chairs will select the appropriate works for poster and Flash presentations which will be carried out in parallel with oral Colloquia of Contributed Papers. Authors are encouraged to indicate their Colloquium choice during submission through the website.

PRE-CONFERENCE WORKSHOP

9th Workshop on Measurement and Computation of Turbulent Spray Combustion (TCS9), 1st June 2025

For more details check the following website: <https://www.mcs2025.com>

SYMPOSIUM COLLOQUIA

COMBUSTION FUNDAMENTALS

- 1 Gas-Phase Reaction Kinetics**
- 2 Heterogeneous Combustion**
- 3 Flame Dynamics, Transport Processes**
- 4 Detonations**
- 5 Turbulent Combustion Fundamentals**

COMBUSTION RESEARCH TOOLS

- 6 Diagnostics
- 7 Numerical Combustion
- 8 Machine Learning and AI in Combustion

COMBUSTION APPLICATIONS

- 9 Fires
- 10 Explosion Hazards, Detonation Applications, and Supersonic Combustion
- 11 Gas Turbines and Rocket Combustion
- 12 Internal Combustion Engines
- 13 Energy Storage and Alternative Renewable Fuels

COMBUSTION IMPACT AND MITIGATION

- 14 Emissions Mitigation
- 15 Low-Carbon Technologies

SPECIAL MINI-SYMPOSIA

- 16 Thermoacoustic Combustion Instabilities
- 17 Metal Fuels

Registration

Please visit the website for details: <https://www.mcs2025.com>

Venue

Please visit the website for details: <https://www.mcs2025.com>