

# INTERNATIONAL WORKSHOP ON PLASMA-ASSISTED COMBUSTION CENTRALESUPÉLEC, UNIVERSITÉ PARIS-SACLAY

June 9th and 10th, 2022.

Lean combustion is a direct mean to decrease the pollutant emission of propulsion and energy production systems. Lean flames are however prone to instabilities which may be controlled by electrical discharges at the flame basis. This is an emerging solution, suitable to a wide range of combustion applications, where high-voltage electric discharges are generated between two electrodes located inside the combustion chamber. They locally generate a non-equilibrium plasma, which then interacts with the combustion. Although beneficial effects of plasma-assisted combustion have been observed experimentally, the fundamental understanding of involved physical phenomena remains unknown.

The goal of this workshop is to gather researchers conducting experiments and modeling of plasma-assisted combustion. This event aims to identify the gap of knowledge and to establish framework of collaborative research.

The workshop program will consist in 20 minutes presentation. Researchers are invited to submit a one-page abstract presenting their latest relevant research on plasma-assisted combustion.



## IMPORTANT DATES

Submission of abstracts: until February 15th, 2022. Abstracts should be sent by mail in PDF format to : [em2c.workshop@listes.centralesupelec.fr](mailto:em2c.workshop@listes.centralesupelec.fr)

Acceptance notification: **March 1st, 2022**

Workshop : **June 9th and 10th, 2022**



## LOCALISATION

The event will take place on site at CentraleSupélec, Gif Sur Yvette, France.  
No-hybrid mode are planned but an online broadcast will be set up.



## REGISTRATION

More details on the registration will be given soon on the website:  
<http://em2c.centralesupelec.fr/Workshop-Pastec>

## CONTACT

For any questions, please contact:  
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