



European Research Council
Established by the European Commission



Workshop on MILD combustion: modelling challenges, experimental configurations and diagnostic tools

Aim and objectives

Discuss open issues and opportunities in MILD combustion modelling

Review the experimental configurations for the validation of new modelling approaches

Critically assess the uncertainty associated to the existing diagnostic tools

Aim and objectives

Review the progress in the fundamental understanding of MILD/
distributed/flameless/colorless combustion

Discuss open issues and opportunities in MILD/distributed/
flameless/colorless combustion modelling

Review the experimental configurations for the validation of new
modelling approaches

Critically assess the uncertainty associated to the existing
diagnostic tools

Some figures

12 invited presentations

6 contributed presentations

12 posters

1 roundtable

January 24 th		January 25 th	
8:30 - 8:45	Registration	8:30 - 8:45	Registration
8:45 - 9:00	Introduction	8:45 - 10:30	Roundtable
9:00 - 11:00	Fundamental understanding	10:30 - 10:50	Coffee break
11:00 - 11:30	Coffee break	10:50 - 12:50	Contributed presentations
11:30 - 12:30	Chemical kinetics	12:50 - 13:00	Conclusions
12:30 - 13:30	Lunch	13:00 - 14:00	Farewell Lunch
13:30 - 14:30	Modelling		
14:30 - 15:00	Coffee break		
15:00 - 17:30	Applications and new opportunities		
17:30 - 18:30	Poster session		
18:30 - 20:30	Networking event		

Paper publication



Special issue on MILD/flameless/colorless/distributed combustion:
Modelling Challenges, Experimental Configurations and Diagnostic Tools

Open access journal

Compliant with Plan S (by cOAlition S) principles

cOAlition S is an international consortium of research funders, supported
by the European Research Council (ERC)

Plan S (by cOAlition S)

1. **Authors retain copyright of their publication with no restrictions.** All publications must be published under an open license, preferably the Creative Commons Attribution Licence CC BY. In all cases, the license applied should fulfil the requirements defined by the Berlin Declaration;
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3. **In case such high quality Open Access journals or platforms do not yet exist, the Funders will,** in a coordinated way, **provide incentives to establish and support them when appropriate;** support will also be provided for Open Access infrastructures where necessary;
4. Where applicable, Open Access publication fees are covered by the Funders or universities, not by individual researchers; it is acknowledged that all scientists should be able to publish their work Open Access even if their institutions have limited means;
5. When Open Access publication fees are applied, their funding is standardised and capped (across Europe);

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6. The Funders will ask universities, research organisations, and libraries to align their policies and strategies, notably to ensure transparency;
7. The above principles shall apply to all types of scholarly publications, but it is understood that the timeline to achieve Open Access for monographs and books may be longer than 1 January 2020;
8. The importance of open archives and repositories for hosting research outputs is acknowledged because of their long-term archiving function and their potential for editorial innovation;
9. **The 'hybrid' model of publishing is not compliant with the above principles;**
10. The Funders will monitor compliance and sanction non-compliance.

Journal quality and publications fees

Frontiers in Mechanical Engineering is finalising indexing in Scopus and ESCI

Pseudo impact factor within the top 25% of the field journals (SCI)

Frontiers has institutional agreements and a waivers program.

Fees for original research articles are competitive: USD 1150.

Workshop outcome

Consolidate the research network on the topic

Produce a high-quality special issue on the topic

Identify potential common actions: database, workshop, research proposal ...

Reconciliate/define/clarify the different existing definitions

MIRACLE

Mild **d**ist**R**ibuted **f**l**A**meless **C**olor**L**ess



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Enjoy the workshop