

## [ONLINE] PATC: Introduction to high-fidelity combustion simulations using HPC

### Objectives

This PATC will focus on presenting the role that high-fidelity simulations using HPC can make and provide an introduction to the state-of-the-art in numerical simulations of combustion systems.

### Requirements

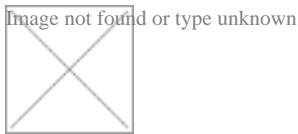
Some knowledge of Computational Fluid Dynamics

Please download and carefully read the following [instructions](#) regarding the logistics participants enrolling online PATC at BSC are expected to follow.

### Learning Outcomes

Learning outcome: Be given state-of the art advanced methodologies for combustion simulations

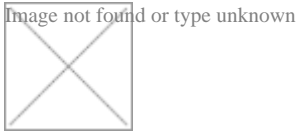
#### Academic Staff



**Convener:** Eduardo Perez, Propulsion Technologies Group Recognized Researcher, CASE Department – BSC

**Lecturers:** Benedicte Cuenot (CERFACS), Laurent Gicquel (CERFACS), Leonardo Pachano (BSC), Eduardo Perez (BSC), Temistocle Grenga (RWTH), Jens Gobbert (JSC).

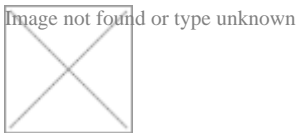
## Materials



The relevant materials will be made available to the participants during the course. **INTELLECTUAL PROPERTY RIGHTS NOTICE:**

- The User may only download, make and retain a copy of the materials for his/her use for non-commercial and research purposes.
- The User may not commercially use the material, unless has been granted prior written consent by the Licensor to do so; and cannot remove, obscure or modify copyright notices, text acknowledging or other means of identification or disclaimers as they appear.
- For further details, please contact BSC-CNS [patc@bsc.es](mailto:patc@bsc.es)

## Further information



**All PATC Courses at BSC do not charge fees.**

In the context of virtual meetings, the Organiser may facilitate live webstreaming and audio recording. You have the option to opt out of inclusion in recordings by contacting our [Education&Training](#) team.

[CONTACT US](#) for further details about MSc, PhD, Post Doc studies, exchanges and collaboration in education and training with BSC.

For further details about Postgraduate Studies in UPC - Barcelona School of Informatics (FiB), visit the [website](#)

**Sponsors:** BSC and PRACE 6IP project are funding the PATC @ BSC training events. If you want to learn more about PRACE Project, visit the [website](#).

Barcelona Supercomputing Center - Centro Nacional de Supercomputación

---

**Source URL (retrieved on 19 abr 2024 - 06:19):** <https://www.bsc.es/ca/education/training/patc-courses/online-patc-introduction-high-fidelity-combustion-simulations-using-hpc>