

[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

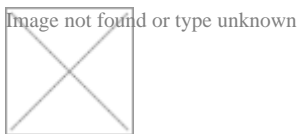
Some knowledge of Computational Fluid Dynamics

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

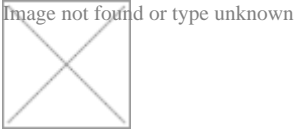
Academic Staff



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).

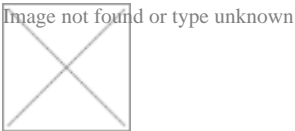
Materials



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

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- 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

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

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