

Christophe JOURNEAU  
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## Education

- **Ecole Centrale des Arts et Manufactures (Engineering MSc 1985)**, Energetics department
- **PhD from the Université d'Orléans (2006)** Mechanics and Energetics
- **Habilitation to Supervise Researches (2008)** Université d'Orléans

## R&D activities

1990-present Commissariat à l'Energie Atomique et aux Energies Alternatives, Cadarache (13)

Since 2009: CEA international expert (CEA distinguished fellow) on *thermalhydraulics and thermodynamics applied to nuclear safety*

Experimental research on the behavior of corium pools between 1500 and 3000 K: spreading, molten core concrete interaction, solidification and coolability and on issues related to Fukushima Daiichi accident...

R&D on phenomena coupling heat transfer, physico-chemistry, hydrodynamics, electromagnetisms and instrumentation.

Participation to more than 10 European projects and networks (3 as co-ordinator).

Co-ordinator one ECO-NET and one Barrande-PHC project.

1995-1996: 1-year detachment to the European communities Joint Research Centre (Ispra, Italy)

1985-1990: Research engineer in **Principia RD** company (La Seyne sur Mer 83).

## Teaching Activities :

Since 2003: Co-ordination and contribution to 6 European thematic schools on nuclear reactor severe accidents.

Since 2011: Lecturing in the Energetics and renewable Energies Department of Polytech' Montpellier

Since 2012: Lecturing in the MSc on Nuclear Engineering of the Grenoble-Alpes University

Supervision of 8 doctoral students.

## Publications

59 publications in peer-reviewed journals and books

Above 90 peer-reviewed communications in conferences.

## Others :

Member of the Scientific Committee of the French Heat Transfer Society (SFT).