

Prof. Elie HACHEM

28/08/1978

CEMEF director

MINES Paris - PSL | CEMEF

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Current Appointments

Since 2022	Holder of an ERC CoG: CURE on coupling machine learning and CFD for brain aneurysms
Since 2016	Full Professor (CE) in Fluid Mechanics and Applied Mathematics at MINES ParisTech
Since 2014	Head of the CFL Computing and Fluids Research group at CEMEF
2017 – 2021	Holder of the Industrial ANR CHAIR: INfinity gathering 12 industrial partners
2018 – 2022	Coordinator of MINDS: Mines Initiative for Numeric & Data Sciences
Since 2019	Director of the SFA n°364 Doctoral School for Mines ParisTech gathers 65 Phd students
Since 2019	Founder and Director of a PhD program in “Computational Mathematics, HPC & Data
Since 2017	Founder and Supervisor of the Digital Engineering Minor at Mines ParisTech

Professional curriculum

- Chair of the Computational Fluids Conference CFC2023 | [645 participants at palais de festival de Cannes](#)
- Associate Editor in Computer and Fluids, Elsevier
- Invited Professor to NASA AMS Seminar series | [2020 NASA Advanced Supercomputing Division](#)
- Visiting Professor, Department of Environmental Engineering, Universitat Politècnica de Catalunya | [2016](#)
- Visiting Assisting Professor, Department of Aeronautics and Astronautics, Stanford University | [2012 – 2013](#)
- Visiting Fellow at Computer Science Research Institute, Sandia National Laboratories, Albuquerque | [2011](#)
- Visiting Fellow at MOX, Polytechnic Milano | [2010](#)
- Elected member of Mines ParisTech Teaching Committee | [in 2015 and in 2018](#)
- Co-founder of Aeromines/Scipath startup: HPC and CFD cloud computing platform | [2014](#)
- Founder of the AWARD Pierre Laffitte Medal for Phd Students | [created in 2017](#)
- Member of the scientific committee CSMA, COUPLED, AFM

Diploma

- Habilitation to Direct Research (HDR) in Applied Mathematics, University of Nice (2014)
External Jury: O. Pironneau (French Academy of Science), A. Quarteroni (EPFL), R. Abgrall (Univ. Zurich), J.F. Remacle(UCL), R. Codina (UPC)
- PhD in Computational Mechanics at Mines Paris (2009)

Distinctions

- IACM Fellow Award, [2020 link](#)
- Atos - Joseph Fourier Award, best national research team in Numerical Simulation and HPC, [2019 link](#)
- IBM Faculty Award for HPC in the Cloud, [2015 link](#)
- INTEL & HP Award for the best oral presentation in HPC for CFD at Ecole Polytechnique, [2015 link](#)
- ECCOMAS PhD Award - Best European Doctoral Thesis in Computational Fluid Dynamics awarded by the European Community on Computational Methods in Applied Sciences, [2010 link](#)
- SMAI-GAMNI PhD Award - Best National Doctoral Thesis in Applied Mathematics awarded from the Society of Applied & Industrial Mathematics in France, [2010 link](#)

Supervision

PhD students: 48 (5 ongoing) | Postdoc: 11 (3 ongoing) | Master students: 15

Publications: 98

Complete list on Scopus: <https://www.scopus.com/authid/detail.uri?authorId=6506044748>