

Taraneh Sayadi

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Education

2021 Habilitation (HDR), "Towards Efficient and Robust Multi-fidelity Optimisation of Unsteady Complex Flows", Sorbonne Université, France
2012 Ph.D., Mechanical Engineering, Stanford University, Stanford, CA, USA, Advisor: Parviz Moin
2007 M.Sc., Fluid Mechanics, Technical University of Munich (TUM), Germany
2005 B.Sc., Mechanical Engineering, Sharif University of Technology, Tehran, Iran

Current positions and affiliations

Since 2024 Professor Chair Scientific Computing, CNAM, France
Since 2017 Research group leader, Institute of Combustion Technologies (ITV), RWTH-Aachen University, Germany

Professional experience

2018 – 2023 Chargée de Recherche CNRS – Sorbonne Université, France
2017 – 2018 Post-doctoral fellow, Institut des Sciences du Calcul et des Données (ISCD), Sorbonne Université, France
2015 – 2018 Adjunct assistant professor, Department of Aerospace Engineering, University of Illinois Urbana-Champaign, IL, USA
2015 – 2016 Post-doctoral fellow, Institute of Combustion Technologies (ITV), RWTH-Aachen University, Germany
2013 – 2014 Research Associate, Applied Mathematics, Imperial College London, London, UK
2012 Post-doctoral Fellow, LadHyX-École Polytechnique, France

Honors and awards

2023 French by-fellow, Churchill College, Cambridge
2012 Milton Van Dyke Award In the Gallery of Fluid Motion
2010 Fellow of the American Physical Society, Division of Fluid Dynamics
2007 Franklin P. and Caroline M. Johnson Graduate Fellowship

Supervision and advising

Since 2013 7 Masters students
Since 2015 10 PhD students

Organization of scientific meetings

2024 Co-organiser of the 1st ERCOFTAC Workshop on Machine Learning for Fluid Dynamics, Paris, France
2024 Co-chair of thematic session titled "FS07. Optimization for Solids and Fluids" at ICTAM2024, Daegu
Since 2017 Co-organizer of the ERCOFTAC Montestigliano Workshop - A Workshop Series in Fluid Dynamics for young researchers, Montestigliano, Italy, annually