

Candidates for Europe

Rocío Bolaños-Jiménez is an Associate Professor of Fluid Mechanics at the University of Jaén (Spain). She graduated in Chemical Engineering (University of Granada, Spain) in 2004 and got a Ph.D. (Universidad de Jaén) in 2011, obtaining the Extraordinary Ph.D. Award. Her research focuses on the dynamics of the generation and movement of bubbles and drops, mainly through experimental techniques. She collaborates with different researchers from international centers (University of Twente or Institut de Mécanique des Fluides de Toulouse). Her work has been published in articles in JCR journals and it has been continuously funded since 2006 through projects obtained in public calls, being the principal investigator of several of them. She is the co-author of 2 patents and has led several transfer contracts with multinational companies. She has been the director of the Research Office at the University of Jaén and currently she works for the Spanish Research Agency as a scientific collaborator.



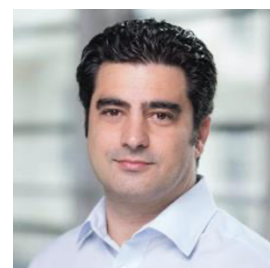
Jochen Fröhlich is a Professor of Fluid Mechanics at Technische Universität Dresden, Germany. He organizes a summer school on turbulence simulation since 2006, co-organized the Workshop on Direct and Large Eddy simulation 2007-2017, minisymposia at several conferences, and the annual meeting of GAMM 2023. He was a board member of the Archive of Applied Mechanics 2008-2019 and is a member of the Editorial Advisory Board of IJMF since 2017. He received the Harold Schoemaker Award of IAHR 2017 and prizes for teaching and PhD supervision. His areas of expertise include numerical methods for particulate and bubbly flows, turbulence simulation, high performance computing and high order methods. His results are published in 233 refereed journal papers and numerous papers in international conference proceedings. He is a passionate teacher and is interested in art.



Christophe Josserand is CNRS research director at LadHyX (Laboratoire d'Hydrodynamique de l'X) and professor of fluid mechanics at Ecole Polytechnique, Institut Polytechnique de Paris, France. His areas of expertise include bubbles and droplets dynamics, phase changes in multiphase flows and wave turbulence. He has been an editor of Physica D and is the author of more than 100 journal papers.



Christos N. Markides is Professor of Clean Energy Technologies and Head of the Clean Energy Processes Laboratory at Imperial College London. He is also Editor-in-Chief of Applied Thermal Engineering, a member of the UK National Heat Transfer Committee, the Global Energy Association, the International Energy Storage Alliance, and a Fellow of Clean Growth Leadership Network. He has an interest in high-performance devices, technologies and systems for thermal-energy recovery, utilisation, conversion or storage, with a particular focus on the development and application of advanced experimental techniques for detailed flow, heat/mass transfer measurements. He has published >300 journal and >350 conference papers on these topics. He won IMechE's 'Donald J. Groen' outstanding paper prize in 2016, IChemE's 'Global Award for Best Research Project' in 2018, the Engineers without Borders 'Chill Challenge' in 2020, and received Imperial College President's Awards for Teaching in 2016 and Research Excellence in 2017.



Aurore Naso is a Senior Researcher in CNRS, Ecole Centrale de Lyon, University of Lyon, France. She has served from 2016 to 2021 as elected member of the French National Comity of Scientific Research (CoNRS), Fluid and Reactive Media Division. She has been a member of the organizing committees of nine international events (including the European Turbulence Conference 14, in 2013, and a thematic school, as chair, in 2012). Her areas of expertise cover the numerical simulation and modelling of two-phase flows and turbulence, including more specifically the transport of bubbles and particles in turbulent flows. This called collaborations and/or visits in the USA, the Netherlands, Ireland, and Sweden. She has given seven invited presentations, including two lectures, in international events.



Devaraj van der Meer is a full professor in the Physics of Fluids group at the University of Twente in the Netherlands. He has been working on a variety of fluid dynamics and soft matter topics, ranging from the impact of droplets and solids onto granular substrates and liquids, sloshing and other free surface phenomena, to bubble growth on wetted substrates. In his work, he uses a combination of experiment, numerics, and theory, a strategy that aims at a thorough understanding of the underlying physics. He is Fellow of the American Physical Society (DSOFT) and was elected Chair of the Gordon Research Conference on granular matter. He has served the community as Member of the Editorial Board of Physical Review E, as Member of the Dutch Physics Council, as Chair of the Applied Physics Department in Twente, and as member and chair of various scientific panels and committees.

