

## ROSTER

Name/Term		Area of Research
<b>Postdoctoral Fellows</b>		
ABKAR, Dr. Mahdi 11/2015–present	(Ph.D. Mechanical Engineering 2014, Ecole Polytechnique Federale de Lausanne, Switzerland)	Computational fluid dynamics, atmospheric turbulence, wind energy
EDELING, Dr. Wouter 11/2015–present	(Ph.D. Aerospace Engineering, 2014, Delft University of Technology, The Netherlands)	Uncertainty quantification of turbulent flows
ESCLAPEZ, Dr. Lucas 08/2015–present	(Ph.D. Energy, 2015, Institut National Polytechnique, France)	Large-eddy simulations of turbulent reactive flows, spray combustion
ESMAILY-MOGHADAM, Dr. Mahdi 09/2014–present	(Ph.D. Mechanical Engineering 2014, University of California San Diego, USA)	Numerical methods and particle-laden flows
GERACI, Dr. Gianluca 03/2014–present	(Ph.D. Applied Mathematics and Scientific Computing, 2013, INRIA and University of Bordeaux, France)	Uncertainty quantification, computational fluid dynamics, design under uncertainty
GHAISAS, Dr. Niranjana 07/2015–present	(Ph.D. Mechanical Engineering, 2013, Purdue University, USA)	Eulerian methods for large-deformation solid-fluid problems, subgrid-scale modeling, wind-turbine farm simulations

HACK, Dr. Philipp 04/2015–present	(Ph.D. Mechanical Engineering, 2014, Imperial College London, UK)	Computational and theoretical studies of transitional flows, stability analysis, optimization and machine learning
KARATAY, Dr. Elif 11/2013–present	(Ph.D. Interfacial Transport of Mass and Momentum in Microfluidics, 2013, University of Twente, Netherlands)	Experimental and numerical nonlinear, electrokinetic instability and hydrodynamic chaos near charged interfaces
JOFRE, Dr. Lluís 02/2015–present	(Ph.D. Mechanical Engineering, 2015, Technical University of Catalonia, Spain)	Numerical methods for computational fluid dynamics and multi-phase flows
KIM, Dr. Jeonglae 03/2014–present	(Ph.D. Theoretical and Applied Mechanics, 2012, University of Illinois at Urbana-Champaign, USA)	Large-eddy simulation of external aerodynamics and combustion-induced noise, flow control
MAGRI, Dr. Luca 09/2015–present	(Ph.D. Energy, Fluids and Turbomachinery Engineering 2015, University of Cambridge, UK)	Predictability and data assimilation in turbulent combustion, thermo-acoustic instabilities and adjoint methods
MISHRA, Dr. Aashwin 09/2015–present	(Ph.D. Aerospace Engineering, 2014, Texas A&M, USA)	Statistical modeling, Bayesian inference and machine learning
PARK, Dr. George 10/2014–present	(Ph.D. Mechanical Engineering 2014, Stanford University, USA)	Wall-modeled large-eddy simulation, subgrid-scale modeling for particle-laden flows
RAHMANI, Dr. Mona 09/2014–12/2015	(Ph.D. Civil Engineering, 2011, University of British Columbia, Canada)	Particle-laden flows, mixing and turbulence in stratified flows

**Research Associate**

URZAY, Dr. Javier 04/2011–present	(Ph.D. Aerospace Engineering, 2010, University of California, San Diego, USA)	Multi-physics fluid mechanics, chemically-reacting flows, combustion and multi-phase flows.
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**Senior Research Fellows**

HAM, Dr. Frank	Cascade Technologies Inc., Palo Alto CA	LES for complex flows with heat transfer
JIMÉNEZ, Prof. Javier	School of Aeronautics, Universidad Politécnica de Madrid, Spain	Turbulent flows
POINSOT, Dr. Thierry	Institut de Mécanique des Fluides de Toulouse, and CNRS, France	Laminar and turbulent combustion, theory, simulations and experiments, combustion instabilities

**Visiting Scholars**

LEHMKUHL, Dr. Oriol	Technical University of Catalonia, Spain	LES in complex geometry and wall modeling
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**Visiting Student Researcher**

FLINT, Mr. Tim	University of Canterbury, New Zealand	Shape optimization, cavitation, and fluid dynamics of the upper airway in humans
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## 2015 STEERING COMMITTEE

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Prof. Juan Alonso  
Aeronautics and Astronautics,  
Stanford University

Prof. John O. Dabiri  
Civil and Environmental Engineering,  
and Mechanical Engineering,  
Stanford University

Prof. Gianluca Iaccarino  
Mechanical Engineering,  
Stanford University

Prof. Parviz Moin  
Director,  
Center for Turbulence Research;  
Mechanical Engineering,  
Stanford University

Prof. Ali Mani  
Mechanical Engineering,  
Stanford University

Prof. Matthias Ihme  
Mechanical Engineering,  
Stanford University

Prof. Sanjiva K. Lele  
Mechanical Engineering,  
and Aeronautics and Astronautics,  
Stanford University