

## ROSTER

Name/Term		Area of Research
<b>Postdoctoral Fellows</b>		
AKAYDIN, Dr. Dogus 10/2012–12/2013	(Ph.D. Mechanical Engineering, 2012, The City University of New York, USA)	Fluid-structure interaction on flapping wings
ANDERSEN, Dr. Mathias Bækbo 06/2012–present	(Ph.D. Mechanical Engineering, 2012, Technical University of Denmark, Denmark)	Nonlinear electrokinetic transport in porous media
BERMEJO-MORENO, Dr. Iván 07/2009–present	(Ph.D. Aeronautics, 2008, California Institute of Technology, USA)	LES of compressible flows; structure of turbulence
BODART, Dr. Julien 01/2011–08/2013	(Ph.D. Space and Aeronautics, 2009, Institut National Polytechnique de Toulouse, France)	Wall-modeling in LES; multiphase flow simulations
CONSTANTINE, Dr. Paul 11/2011-09/2013	(Ph.D. Computational and Mathematical Engineering, 2009, Stanford University, USA)	Uncertainty quantification; reduced order modeling
GARCÍA-MAYORAL, Dr. Ricardo 02/2012–08/2013	(Ph.D. Aerospace, 2011, Universidad Politécnica de Madrid, Spain)	Wall-bounded turbulence; physics-based wall models for LES; turbulent flows over rough and complex surfaces
HICKEY, Dr. Jean-Pierre 01/2013–present	(Ph.D. Mechanical Engineering, 2013, Royal Military College of Canada)	Trans- and supercritical flows; rocket propulsion; high speed turbulent flows

KAH, Dr. Damien 06/2011–present	(Ph.D. Energetics, 2010, École Centrale Paris, France)	Modeling and numerical simulation of multiphase flow; spray combustion
KOTOV, Dr. Dmitry 07/2011–present	(Ph.D. Physics and Mathematics, 2010, Moscow Institute of Physics and Technology, Russia)	Multiscale complex shock/turbulence interaction
SCALO, Dr. Carlo 08/2012–present	(Ph.D. Mechanical Engineering, 2012, Queens University, Canada)	Numerical and theoretical modeling of a traveling-wave thermoacoustic engine
VIÉ, Dr. Aymeric 05/2013–present	(Ph.D. Computational Fluid Dynamics, 2010, Institut National Polytechnique de Toulouse, France)	Modeling and numerics for disperse phase flows; spray combustion
ZAMANSKY, Dr. Rémi 01/2012–10/2013	(Ph.D. Fluid Dynamics, 2011, École Centrale de Lyon, France)	Modeling and numerical simulation of multiphase flow; cavitation

#### Research Associates

KIM, Dr. Dokyun 07/2011–09/2013	(Ph.D. Mechanical Engineering, 2011, Stanford University, USA)	Multiphase turbulent flows
KITIASHVILI, Dr. Irina 01/2008–present	(Ph.D. Physics and Mathematics 2005, Engelgardt Astronomical Observatory of Karzan University, Russia)	Solar physics
NICHOLS, Dr. Joseph 03/2011–09/2013	(Ph.D. Mechanical Engineering, 2005, University of Washington, Seattle, USA)	Jet noise and stability analysis
PALACIOS, Dr. Francisco 01/2011–10/2013	(Ph.D. Applied Mathematics, 2008, Autonomous University of Madrid, Spain)	Multi-physics flow simulation; optimal shape design; adjoint and numerical analysis

URZAY, Dr. Javier 03/2013–present	(Ph.D. Aerospace Engineering, 2010, University of California, San Diego, USA)	Chemically-reacting flows; combustion; multi-phase flows; low-Reynolds hydrodynamics; asymptotic analysis
<b>Visiting Researchers</b>		
SCHIAVAZZI, Dr. Daniele 10/2011–03/2013	(Ph.D. Applied Mathematics, 2013, Università di Padova, Italy)	Uncertainty quantification; sparse regression; divergence-free frames for incompressible flow
<b>Visiting Fellows</b>		
BASSETTI, Dr. Alessandro 01/2013–05/2013	(Ph.D. Sound and Vibration Studies, 2008, University of Southampton, UK)	Aeroacoustics
DABIRI, Prof. John 08/2012–01/2013	California Institute of Technology, USA	Wind power; biological propulsion
KUMMER, Dr. Florian 02/2013–present	(Ph.D. Mechanical Engineering, 2012, Technische Universität Darmstadt, Germany)	Numerics of multi-phase flows; discontinuous Galerkin and level-set methods
<b>Senior Research Fellows</b>		
HUSSAIN, Prof. Fazle	Texas Tech University	Turbulence structure
JIMÉNEZ, Prof. Javier	Universidad Politécnica de Madrid, Spain; and Center for Turbulence Research	Turbulent boundary layers
POINSOT, Dr. Thierry	Institut de Mécanique des Fluides de Toulouse, CNRS; Institut National Polytechnique de Toulouse, France; and Center for Turbulence Research	Turbulent combustion

## 2013 STEERING COMMITTEE

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Prof. Juan J. Alonso  
Aeronautics and Astronautics,  
Stanford University

Prof. Gianluca Iaccarino  
Mechanical Engineering,  
Stanford University

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

Prof. Ali Mani  
Mechanical Engineering,  
Stanford University

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

Dr. Thierry Poinsot  
Research Director,  
Institut de Mécanique des  
Fluides de Toulouse, CNRS