

ROSTER

Name/Term		Area of Research
Postdoctoral Fellows		
BANSAL, Dr. Gaurav 07/2009–present	(Ph.D. Mechanical Engineering, 2009, University of Michigan, USA)	Turbulent combustion
BERMEJO-MORENO, Dr. Iván 07/2009–present	(Ph.D. Aeronautics, 2008, California Institute of Technology, USA)	LES modeling
BRANDIS, Dr. Aaron 07/2009–present	(Ph.D. Aerothermodynamics, 2009, University of Queensland, Australia)	Hypersonic flow
CHUMAKOV, Dr. Sergei 10/2008–present	(Ph.D. Mechanical Engineering, 2005, University of Wisconsin–Madison, USA)	LES modeling for turbulent mixing and reactive flow
JOHNSEN, Dr. Eric 12/2008–11/2009	(Ph.D. Mechanical Engineering, 2007, California Institute of Technology, USA)	Shock–turbulence interaction
KANG, Dr. Seongwon 07/2008–present	(Ph.D. Mechanical Engineering, 2008, Stanford University, USA)	Numerical methods
KAWAI, Dr. Soshi 01/2007–present	(Ph.D. Aeronautics and Astronautics Engineering, 2005, University of Tokyo, Japan)	Supersonic mixing and combustion
KITIASHVILI, Dr. Irina 01/2008–present	(Ph.D. Astronomy, 2005, Engel’gardt Astronomical Observatory of Kazan University, Russia)	Solar convection
KNUDSEN, Dr. Ed 11/2009–present	(Ph.D. Mechanical Engineering, 2009, Stanford University, USA)	LES of reactive flow

KOSTKA, Dr. Marcus 08/2008–present	(Ph.D. Mechanical Engineering, 2008, Imperial College London, UK)	LES of reactive flow
LODATO, Dr. Guido 08/2009–present	(Ph.D. Computational fluid dynamics, 2008, CORIA, INSA de Rouen, France)	Turbulent combustion
LUO, Dr. Kun 09/2007–09/2009	(Ph.D. Mechanical and Energy Engineering, 2005, Zhejiang University, People's Republic of China)	Particle dispersion and particle–fluid interaction
MAGIN, Dr. Thierry 10/2006–09/2009	(Ph.D. Applied Sciences, 2004, Université Libre de Bruxelles, Belgium)	Hypersonic flow
MENDEZ, Dr. Simon 11/2008–11/2009	(Ph.D. Applied Mathematics, 2007, Université Montpellier, France)	Aeroacoustics
NICHOLS, Dr. Joseph 03/2009–present	(Ph.D. Mechanical Engineering, 2005, University of Washington, USA)	Hydrodynamic instability
PEČNIK, Dr. Rene 07/2007–present	(Ph.D. Mechanical Engineering, 2002, Graz University of Technology, Austria)	Numerical methods/ Turbulence modeling
RAESSI, Dr. Mehdi 04/2008–present	(Ph.D. Mechanical Engineering, 2007, University of Toronto, Canada)	Multiphase flow
TERRAPON, Dr. Vincent 10/2008–present	(Ph.D. Mechanical Engineering, 2005, Stanford University, USA)	Supersonic combustion
WANG, Dr. Wei 05/2008–present	(Ph.D. Applied Mathematics, 2008, Brown University, USA)	Numerical methods
WITTEVEEN, Dr. Jeroen 07/2009–present	(Ph.D. Aerospace Engineering, 2009, Delft University of Technology, the Netherlands)	Uncertainty quantification

ZHAO, Dr. Hong 01/2009–present	(Ph.D. Theoretical and Applied Mathematics, 2006, University of Illinois at Urbana-Champaign, USA)	Biofluids and LES
Research Associates		
DOOSTAN, Dr. Alireza 01/2007–present	(Ph.D. Structural Engineering, 2006, The Johns Hopkins University, USA)	Uncertainty quantification
HAHN, Dr. Seonghyeon 10/2004–12/2009	(Ph.D. Mechanical Engineering, 2002, Seoul National University, Korea)	Integrated simulation for rotorcraft applications
KIM, Dr. Seung Hyun 06/2004–present	(Ph.D. Mechanical Engineering, 2003, Pohang University of Science and Technology, Korea)	Multiphase flow
LARSSON, Dr. Nils Johan 09/2006–present	(Ph.D. Mechanical Engineering, 2006, University of Waterloo, Canada)	Shock–turbulence interaction
LIANG, Dr. Chunlei 04/2009–present	(Ph.D. Mechanical Engineering, 2005, University of London, UK)	Modeling supersonic multi-material flow with combustion
MANI, Dr. Ali 01/2009–present	(Ph.D. Mechanical Engineering, 2009, Stanford University, USA)	Aeroacoustics/Microfluidics/Multiphase flow
MARXEN, Dr. Olaf 07/2006–present	(Ph.D. Aerospace Engineering, 1999, University of Stuttgart, Germany)	Hydrodynamic instability
PAI, Dr. Madhusudan 09/2007–present	(Ph.D. Mechanical Engineering, 2007, Iowa State University, USA)	Multiphase flow
Senior Research Associate		
HAM, Dr. Frank 06/2002–present	(Ph.D. Mechanical Engineering, 2001, University of Waterloo, Canada)	Complex multi-physics flow simulations

Senior Visiting Fellows

ETEMADI, Prof. Nasrollah 08/2006–present	University of Illinois, USA	Mathematics/Statistics
FREWER, Prof. Michael 08/2009–10/2009	Technical University of Darmstadt, Germany	Turbulence modeling

Senior Research Fellows

BURTON, Dr. Gregory 01/2009–present	(Ph.D. Aerospace Engineering, 2003, University of Michigan, USA)	LES of scalar mixing
JIMÉNEZ, Prof. Javier 1987–present	Universidad Politécnica, Madrid, Spain/Center for Turbulence Research	Turbulent boundary layers
NORDSTRÖM, Prof. Jan 2006–present	Uppsala University, Uppsala, Sweden	Numerical analysis

2009 STEERING COMMITTEE

Prof. Juan Alonso
Aeronautics and Astronautics,
Stanford University

Prof. Gianluca Iaccarino
Mechanical Engineering,
Stanford University

Prof. Javier Jiménez
Center for Turbulence Research,
and Universidad Politécnica, Madrid, Spain

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

Dr. Nagi N. Mansour
NASA Ames Research Center

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Center for Turbulence Research,
and Mechanical Engineering,
Stanford University

Prof. Heinz Pitsch
Mechanical Engineering,
Stanford University

Dr. Alan Wray
NASA Ames Research Center