

ROSTER

Name/Term		Area of Research
Postdoctoral Fellows		
CHO, Dr. Minjeong 11/2017–present	(Ph.D. Mechanical and Aerospace Engineering, 2017, Seoul National University, Korea)	Wall-modeled large eddy simulation, wall-bounded turbulence, and multiphase flows
DODD, Dr. Michael 10/2017–present	(Ph.D. Aeronautics and Astronautics, 2017, University of Washington, Washington, USA)	Developing numerical methods and performing large-scale direct numerical simulations to improve fundamental understanding of multiphase turbulent flows
FU, Dr. Lin 01/2018–present	(Ph.D. Mechanical Engineering, 2017, Technical University of Munich, Germany)	High-order TENO schemes, large eddy simulations, MHD and multiphase flows, SPH and domain decomposition methods
HACK, Dr. Philipp 01/2017–present	(Ph.D. Mechanical Engineering, 2014, Imperial College London, United Kingdom)	Computational and theoretical studies of transitional flows, stability analysis, optimization, and machine learning
HUANG, Dr. Zhu 03/2018–present	(Ph.D. School of Energy and Power Engineering, 2015, Xi'an Jiaotong University, China)	Nonlinear stability of shear flows, and flow control and spectral methods in CFD

JARAVEL, Dr. Thomas 01/2017–08/2018	(Ph.D. Mechanical Engineering, 2016, Institute National Polytechnique, Toulouse, France)	Numerical studies of multiphase flow combustion, heat transfer and radiation
JOFRE, Dr. Lluís 02/2015–present	(Ph.D. Mechanical Engineering, 2014, Technical University of Catalonia, Spain)	Numerical methods for computational fluid dynamics and multiphase flows
JOHNSON, Dr. Perry 09/2017–present	(Ph.D. Mechanical Engineering, 2017, Johns Hopkins University, USA)	Small-scale and wall turbulence, particle-laden flows
KARP, Dr. Michael 09/2017–present	(Ph.D. Aerospace Engineering, 2017, Technion Israel Institute of Technology, Israel)	Aerodynamics, fluid mechanics, flow instabilities, transition to turbulence, flow control and flight mechanics
LABAHN, Dr. Jeffrey 09/2016–08/2018	(Ph.D. Mechanical Engineering, 2016, University of Waterloo, Canada)	LES of reacting flows and numerical methods
LI, Dr. Dong 08/2018–present	(Ph.D. Thermal Engineering, 2016, Zhejiang University, China)	Numerical studies of particle-laden wall-bounded turbulent flows and heat transfer
LOZANO-DURÁN, Dr. Adrian 01/2016–present	(Ph.D. Aerospace Engineering, 2015, Universidad Politécnica de Madrid, Spain)	Numerical studies of wall-bounded turbulence, and wall-models for large eddy simulation
PAUL, Dr. Immanuel 05/2018–present	(Ph.D. Aeronautical Engineering, 2017, Imperial College London, United Kingdom)	Fractal-grid-generated turbulence, fine-scale structure of fluid and scalar turbulence, numerical heat transfer
TOWNE, Dr. Aaron 02/2016–7/2018	(Ph.D. Mechanical Engineering, 2015, California Institute of Technology, USA)	Aeroacoustics, reduced order modeling, hydrodynamic instability

Senior Research Engineer

URZAY, Dr. Javier
04/2011–present

(Ph.D. Aerospace Engineering, 2010, University of California San Diego, USA)

Chemically-reacting turbulent flows, multi-phase turbulent flows, hypersonics, and high-speed chemical propulsion

Senior Research Fellows

HAM, Dr. Frank

Cascade Technologies Inc., USA

LES and numerical methods for complex flows with heat transfer

JIMÉNEZ, Prof. Javier

School of Aeronautics, Universidad Politécnica de Madrid, Spain

Numerical simulations of wall-bounded turbulence

POINSOT, Dr. Thierry

Institut de Mécanique des Fluides de Toulouse, and CNRS, France

Laminar and turbulent combustion, theory, simulations and experiments, combustion instabilities

2018 STEERING COMMITTEE

Dr. Javier Urzay
Center for Turbulence Research
Stanford University

Prof. Matthias Ihme
Mechanical Engineering
Stanford University

Prof. Sanjiva K. Lele
Mechanical Engineering
Aeronautics and Astronautics
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