

## ROSTER

Name/Term		Area of Research
<b>Postdoctoral Fellows</b>		
ADLER, Dr. Michael 07/2019–06/2021	(Ph.D. Aeronautical and Astronautical Engineering, 2019, Ohio State University, USA)	Shock-boundary-layer interactions, wall modeling, Richtmyer-Meshkov instability and elastic/plastic deformation of interfaces
BANKO, Dr. Andrew 02/2018–06/2021	(Ph.D. Mechanical Engineering, 2018, Stanford University, USA)	Magnetic resonance imaging, scalar dispersion, heat transfer, data-driven turbulence modeling, particle-laden flows, radiation
BROUZET, Dr. Davy 10/2020–present	(Ph.D. Computational Fluid Dynamics, 2020, The University of Melbourne)	Turbulent combustion aeroacoustics and combustion noise, direct numerical simulations and large-eddy simulations of reacting flows
FU, Dr. Lin 01/2018–03/2021	(Ph.D. Fluid Mechanics, 2017, Technical University of Munich, Germany)	High-order TENO schemes, large-eddy simulations, multi-phase flows, and compressible turbulent boundary layers
JEUN, Dr. Jinah 01/2019–04/2021	(Ph.D. Aerospace Engineering and Mechanics, 2018, University of Minnesota, USA)	Computational aeroacoustics, stability, and reduced-order modeling
KHANWALE, Dr. Makrand 08/2021–present	(Ph.D. Mechanical Engineering, 2021, Iowa State University)	Numerical analysis, high-order methods, turbulent multi-phase flows

MIRJALILI, Dr. Shahab 07/2019–present	(Ph.D Mechanical Engineering, 2019, Stanford University, USA)	Numerical methods and physics of two-phase flows, electrokinetics in plasma, and machine learning
VANDEWALLE Dr. Laurien 11/2021–present	(Ph.D. Chemical Engineering, 2020, Ghent University, Belgium)	Chemically reacting multi-phase flows, catalytic surface chemistry, multi-scale reactor modeling
WANG, Dr. Jonathan 10/2020–present	(Ph.D. Theoretical and Applied Mechanics, 2020, University of Illinois at Urbana-Champaign)	Laser-induced breakdown, chemically reacting flows, compressible flows, numerical simulations
<b>Research Associate</b>		
MAEDA, Dr. Kazuki 08/2019–present	(Ph.D Mechanical Engineering, 2018, California Institute of Technology, USA)	Physics, modeling, and simulation of high-speed multiphase flows, and their engineering applications
<b>Visiting Scholar</b>		
SVORCAN, Dr. Jelena 10/2021–present	Associate Professor, Department of Aeronautics, University of Belgrade, Serbia	Computational aerodynamics, turbulence, aircraft design and optimization
<b>Senior Consultant</b>		
BOSE, Dr. Sanjeeb	Adjunct Professor, Stanford Institute for Computational and Mathematical Engineering, and CTO, Cascade Technologies, Inc.	Wall models for LES, numerical methods, and high-performance computing
<b>Senior Research Engineer</b>		
URZAY, Dr. Javier 03/2011–present	(Ph.D. Aerospace Engineering, 2010, University of California San Diego, USA)	Hypersonic aerothermodynamics, supersonic combustion, and chemical rocket propulsion