

ROSTER

Name/Term		Area of Research
Postdoctoral Fellows		
BROUZET, Dr. Davy 10/2020–present	Ph.D. Mechanical Engineering, 2020, University of Melbourne, Australia	Turbulent combustion, aeroacoustics and combustion noise, direct numerical simulation, and large-eddy simulations of reacting flows
HWANG, Dr. Hanul 04/2022–present	Ph.D. Mechanical Engineering, 2022, Stanford University	Multiphase flows, hydrodynamic stability, atomization, wind-wave interaction, and numerical methods
JAIN, Dr. Suhas 01/2022–present	Ph.D. Mechanical Engineering, 2022, Stanford University	Multiphase flows, compressible turbulent flows, fluid-structure interaction, high-performance computing
KHANWALE, Dr. Makrand 08/2021–present	Ph.D. Mechanical Engineering and Applied Mathematics, 2021, Iowa State University	Multiphase flows, finite element methods, numerical analysis, multiphase turbulence
LAURENT, Dr. Charlelie 01/2022–present	Ph.D. Mechanical Engineering, 2021, National Polytechnic Institute of Toulouse, France	Turbulent combustion, data-driven modeling deep learning, rocket propulsion, and reduced-order modeling

PASSIATORE, Dr. Donatella 10/2022–present	Ph.D. Mechanical Engineering, 2021, Politecnico di Bari, Italy and ENSAM Paris, France	Hypersonics, multi-component and reacting flows, large-eddy and direct numerical simulations
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WANG, Dr. Jonathan 10/2020–08/2022	Ph.D. Theoretical and Applied Mechanics, 2020, University of Illinois at Urbana-Champaign	Laser-induced break-down, chemically reacting flows, numerical simulations
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Research Associates

MAEDA, Dr. Kazuki 08/2019–present	Ph.D. Mechanical Engineering, 2018, California Institute of Technology	Physics, modeling, and simulation of high-speed, multi-component flows, and their engineering applications
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MIRJALILI, Dr. Shahab 07/2019–present	Ph.D. Mechanical Engineering, 2019, Stanford University	Numerical methods and physics of two-phase flows, electrokinetics in plasma regimes, and machine learning
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Visiting Scholar

SVORCAN, Dr. Jelena 10/2021–7/2022	Associate Professor, Department of Aeronautics, University of Belgrade, Serbia	Computational aerodynamics, turbulence, aircraft design and optimization
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WU, Dr. Wen 06/2022–08/2022	Assistant Professor, Department of Mechanical Engineering, University of Mississippi	Bio-inspired surface microstructure for separation control
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Senior Consultant

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
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