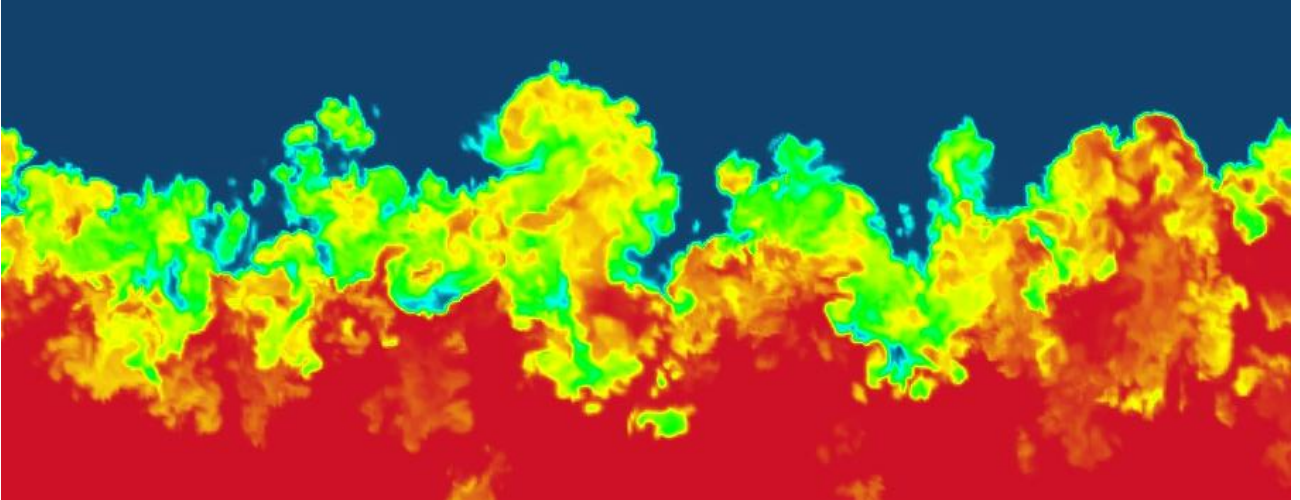




THE UNIVERSITY OF  
**SYDNEY**

# 15th international workshop on the physics of compressible turbulent mixing Sydney 2016



**10-15 July 2016**

**The University of Sydney  
Australia**

This workshop brings together researchers from universities and research laboratories around the world to discuss the latest in theory, modelling, experiments and simulation of compressible and variable-density turbulent mixing induced by hydrodynamic instabilities in multimaterial hydrodynamic flows.

The workshop will include both oral and poster presentations, together with informal round-table discussions.

Peer-reviewed papers based on the oral presentations will be published in a special issue of the *Journal of Fluids Engineering (J Fluids Eng-Trans ASME)* following the workshop. Conference presentations and posters will also be made available on the conference website.

## Scope

This workshop focuses on both fundamental and applied aspects of turbulent mixing, including:

- Rayleigh-Taylor instability
- Richtmyer-Meshkov instability
- Kelvin-Helmholtz instability
- combined instabilities
- compressible and variable density mixing layers
- high-speed mixing in scramjets
- entrainment and mixing in sheared interface flows
- experimental, numerical and theoretical studies
- numerical, experimental, analytical and semi-analytical techniques
- direct numerical simulation, large eddy simulation and Reynolds-averaged turbulence modelling
- applications including inertial confinement fusion, astrophysics, high-energy density physics, scramjets, and materials science.

## More information

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[sydney.edu.au/engineering/events/iwpctm15](http://sydney.edu.au/engineering/events/iwpctm15)



The 15th International Workshop  
on the Physics of Compressible  
Turbulent Mixing **Sydney 2016**