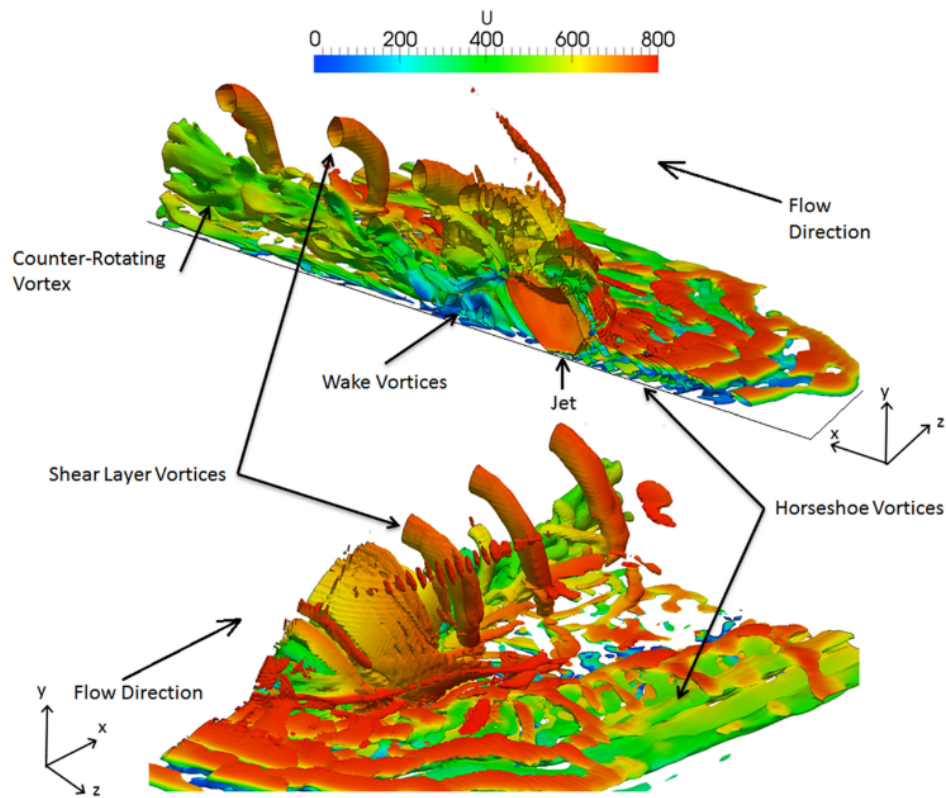
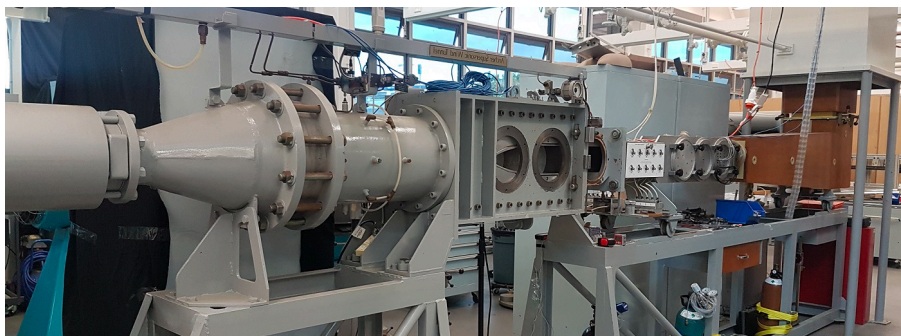


## PhD and Masters Projects in Supersonic Mixing for Airbreathing Hypersonic Engines



### Flow Noise Group Simulation of Pulsed Supersonic Fuel-Air Mixing

The mixing of fuel and air in supersonic flows is a fundamental area of fluid dynamics and one that is vital for the development of airbreathing hypersonic vehicles. This project will develop novel supersonic fuel-air mixing methods and develop advanced experimental and numerical techniques to investigate and refine its operation.



The UNSW Archer Supersonic Wind Tunnel

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Further details on the research group can be found at: <http://www.flownoise.unsw.edu.au/>