

Dr Michael Brear, Department of Mechanical Engineering, University of Melbourne

Michael Brear is a member of the Department of Mechanical Engineering at the University of Melbourne. He joined the University in 2001, having previously worked for ICI Australia (now Orica) and completing research at the University of Cambridge, UK and the Massachusetts Institute of Technology, USA.

Dr. Brear's research and teaching focus on improving the efficiency and emissions of gas turbines and reciprocating engines for both stationary and transport applications. A key focus of this work is the proper use of particular alternative fuels in different engines.

His research has involved collaboration with several local and overseas organisations, including Alstom (Switzerland), CERFACS (France), the Ford Motor Company of Australia, Holden Limited and Orbital Corporation. Dr Brear also runs his University's contribution to 'ACART', www.acart.com.au. ACART is a collaborative venture between the University and the Ford Motor Company of Australia, and features state-of-the-art facilities and skilled personnel for open access, collaborative R&D across the automotive and transport industries.