



## 13<sup>th</sup> International Workshop on the Physics of Compressible Turbulent Mixing, UK, 16-20 July, 2012

This Workshop focuses on fundamental aspects of turbulent mixing in flows subject to destabilising acceleration in both compressible and incompressible fluids. Specific topics include (but are not limited to):

- Rayleigh-Taylor instability
- Richtmyer-Meshkov instability
- Mixing layers
- Experimental, numerical and theoretical studies
- Numerical and experimental techniques
- Direct numerical simulation, large-eddy simulation and engineering turbulence models
- Applications

The Workshop will include both oral and poster presentations, along with general and round table discussion sessions. The presentations will be published on the IWPCTM web site shortly after the Workshop. Furthermore, the associated papers will be published, subject to peer-review, in a special issue of a high quality technical journal.

### Venue

The Workshop will be held in the Woburn Sculpture Gallery (Woburn, UK), set in a beautiful 3,000 acre park with 10 species of deer roaming free. Woburn Abbey has been the home of the Dukes of Bedford for nearly 400 years. It is now home to the 15th Duke and his family.

Nearby is Bletchley Park, where the Enigma and Lorenz codes were broken during WW2, and the place where Colossus (the first semi-programmable electronic computer) was created. The Workshop is due to be held in the year of the 100th anniversary of the birth of Alan Turing, so this would be an exciting time to visit.

### Arrival information to Milton Keynes

Milton Keynes can be conveniently reached by public transport from all major airports. In most cases, transfers take about 1 hour (Heathrow by coach, Birmingham by train and Luton by coach), although public transport takes longer from Gatwick (2 ¼ hours by train) and Stansted (2 hours by train or 2 ¼ hours by coach). For those travelling by car, there are excellent motorway links from junction 13 or 14 of the M1.

Woburn is 7 miles south of Milton Keynes. A taxi to Woburn is about £10 for up to 4 people travelling in the vehicle.

## **Accommodation**

There is good accommodation for 150 delegates both in Woburn village on the edge of the Abbey and in The Hub in Milton Keynes (7 miles away). The Hub is an open-air pedestrianised piazza surrounded on four sides by restaurants, cafes, hotels and apartments with a choice of three hotels at varying prices. A shuttle bus will transport delegates to and from the Workshop from these two locations.

## **Important Dates:**

September 2011: Second announcement and Call for Papers

December 2011: Abstract Deadline

February 2012: Acceptance of abstracts

April 2012: Registration and accommodation deadline

15 July 2012: Welcome reception

16-20 July 2012: Presentations

September 2012: Deadline for material to be included on the web site

November 2012: Publication of presentations on the web site

**To register your interest** in receiving future announcements, please e-mail [iwpctm13@cranfield.ac.uk](mailto:iwpctm13@cranfield.ac.uk)

## **Further Information is available at:**

[www.iwpctm.org/iwpctm13](http://www.iwpctm.org/iwpctm13)

## **Local Organizing Committee:**

Jayne Boothman, Event Co-ordinator (Cranfield University)

Stuart Dalziel (University of Cambridge)

Dimitris Drikakis, Chairman (Cranfield University and The Cyprus Institute)

Robin Williams (AWE)

David Youngs (AWE)