



13th 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. Further more, 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 10 miles south of Milton Keynes. A taxi to or from Woburn is between £15 and £20, 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 (10 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. Accommodation details, including room rates which have been negotiated for the Conference, are now available on the conference website.

Important Dates:

8th September 2011: Second announcement and Call for Papers

1st November 2011: Registration opens

6th January 2012: Abstract Deadline

29th February 2012: Acceptance of abstracts

30th April 2012: Registration closes

15th July 2012: Welcome reception

16th -20th July 2012: Presentations

30th September 2012: Deadline for material to be included on the web site

30th November 2012: Publication of presentations on the web site

Submission of abstracts

Abstracts are limited to one page and should be submitted in electronic format using MS Word or Acrobat PDF and should be prepared using either Word or LaTeX templates available from the conference web site. The deadline for submitting abstracts is 6th January 2012. Post deadline submissions may fail to be included. Abstracts should be submitted through the conference web site: www.iwpctm.org/iwpctm13. Please specify your preference for a Poster or Oral presentation. After the conference, authors will be invited to submit their papers for publication, subject to peer-review, in a special issue of the Journal of Fluids Engineering.

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)