



**9<sup>th</sup> International Workshop on the  
Physics of Compressible Turbulent  
Mixing  
Cambridge, UK  
19-23 July 2004**

[www.damtp.cam.ac.uk/iwpctm9/](http://www.damtp.cam.ac.uk/iwpctm9/)

**First Announcement**

***Theme***

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
- ◇ Coherent structures
- ◇ Experimental, numerical and theoretical studies
- ◇ Novel numerical and experimental techniques
- ◇ Direct numerical simulation, large-eddy simulation and turbulence models
- ◇ Relating 2D and 3D models and flows
- ◇ Applications

The workshop will include both oral and poster presentations, along with both general and 'round table' discussion sessions.

A Proceedings will be published on CD-ROM shortly after the workshop.

***Venue***

**Centre for Mathematical Sciences**

Oral and poster presentations will be given in the Centre for Mathematical Sciences (CMS; [www.cms.cam.ac.uk](http://www.cms.cam.ac.uk)), University of Cambridge, UK. This £65M development, completed at the end of 2002, is the new home for the Department of Applied Mathematics and Theoretical Physics (DAMTP; [www.damtp.cam.ac.uk](http://www.damtp.cam.ac.uk)) and its sister department the Department of Pure Mathematics and Mathematical Statistics. CMS is located alongside the Isaac Newton Institute for Mathematical Sciences, and only a short walk to the west of the centre of the historical University city of Cambridge ([www.cam.ac.uk](http://www.cam.ac.uk); [www.cambridge.gov.uk/leisure/TICWEB/tourism.htm](http://www.cambridge.gov.uk/leisure/TICWEB/tourism.htm)).

**Clare College**

Accommodation and meals for around 120 participants will be provided in Clare College ([www.clare.cam.ac.uk](http://www.clare.cam.ac.uk)). Founded in 1326, Clare College is the second oldest of the 31 colleges in Cambridge, and is located on the picturesque 'backs' alongside the River Cam. (Cambridge also offers a range of hotels and other accommodation, should you wish to organise your own.)

## ***Costs***

The registration fee and cost of accommodation/meals are not yet finalised. However, it is anticipated that the total cost will be comparable with the last meeting in Pasadena.

## ***Important Dates***

|                 |   |
|-----------------|---|
| September 2003: | Second announcement and Call for Papers             |
| January 2004    | Abstract deadline                                   |
| February 2004   | Acceptance of abstracts                             |
| April 2004      | Registration and accommodation deadline             |
| 18 July 2004    | Welcome reception                                   |
| 19-23 July 2004 | Presentations                                       |
| September 2004  | Deadline for material to be included in proceedings |
| October 2004    | Publication of proceedings on CD-ROM                |

## ***Contacts***

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For further information, please visit the workshop web page at [www.damtp.cam.ac.uk/iwpctm9/](http://www.damtp.cam.ac.uk/iwpctm9/)

To register your interest in receiving future announcements, please e-mail [s.dalziel@damtp.cam.ac.uk](mailto:s.dalziel@damtp.cam.ac.uk) and include IWPCTM9 in the subject line.

### ***Local Organizing Committee:***

S. Dalziel (University of Cambridge)  
J. Holford (University of Cambridge)  
R. Williams (AWE)  
D. Youngs (AWE)

### ***International Scientific Committee:***

G. Ben-Dor (Ben-Gurion University of the Negev, Beer-Sheeva)  
D. Besnard (CEA)  
T. Clark (LANL)  
S. Dalziel (University of Cambridge)  
G. Dimonte (LANL)  
S. Gauthier (CEA)  
J. Glimm (Stony Brook)  
B. Goodwin (LLNL)  
J-F Haas (CEA)  
N. Hoffman (LANL)  
L. Houas (IUSTI)  
J. Jacobs (University of Arizona)  
Yu. Kucherenko (Russian Federal Nuclear Center-VNIITF)  
M. Legrand (CEA)  
D. Meiron (Caltech)  
E. Meshkov (Russian Federal Nuclear Center-VNIIEF)  
V. Neuvazhaev (Russian Federal Nuclear Center-VNIITF)  
T. Peyser (LLNL)  
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V. Rozanov (Lebedev Physical Institute, Moscow)  
O. Schilling (LLNL)  
D. Sharp (LANL)  
D. Shvarts (Nuclear Research Center, Beer-Sheeva)  
E. Son (Moscow Physical and Technical Institute)  
H. Takabe (University of Osaka)  
K. Takayama (Tohoku University, Sendai)  
D. Youngs (AWE)  
S. Zaytsev (ENIN, Moscow)

### ***Previous workshops in series***

Princeton, NJ, USA (1988)  
Pleasanton, CA, USA (1989)  
Royaumont, France (1991)  
Cambridge, UK (1993)  
Stony Brook, NY, USA (1995)  
Marseille, France (1997)  
St. Petersburg, Russia (1999)  
Pasadena, CA, USA (2001)