# *Fluids Academic Interest Group*

# *Internal Research Seminars 2006/07*

| ***Name*** | ***Title Of Presentation*** |
|---|---|
| ***3.00pm, Wednesday 29 November 2006, GB/C22*** | |
| Mark Cotton/ Yacine Addad | Keeping in the Nuclear Option Open: Thermal Hydraulics and Turbulence Modelling for Generation IV very high temperature reactors |
| Andy Lowe | Adaptive Computational Fluid Dynamics using Wavelets |
| ***3.00pm, Wednesday 6 December 2006, GB/C22*** | |
| Hui Tang | Performance Modelling of Synthetic Jet Actuators for Flow Separation Control |
| Iain Dupere | Deflatable Speed Bumps |
| ***3.00pm, Wednesday 13 December 2006, GB/C22*** | |
| Stuart Winter | CFD Modelling of compartment fires.? |
| Ran An | Compressible Vortex Rings and their Interactions |
| ***3.00pm, Wednesday 31 January 2007, GB/C22*** | |
| H Lym | Active noise shielding in a duct. Theory and experimental validation |
| Chara Lada | Flow control in subsonic and supersonic cavities |
| ***3.00pm, Wednesday 7 February 2007, GB/C22*** | |
| Nalleli Gongora | Internal Shock Tube Interactions |
| N A Mostafa | Modelling of three-dimensional impingement cooling on a concave surface |
| ***3.00pm, Wednesday 21 February 2007, GB/C22*** | |
| Hossein Zare-Behtash | Compressible Vortex Loops |
| David Apsley | CFD Calculation of turbulent flow with arbitrary wall roughness |
| ***3.00pm, Wednesday 7 March 2007, GB/C22*** | |
| Neel Shah | Flow Control Studies for Low Speed Applications |
| Sharaf Al-Sharif | Exploration of alternative dissipation rate modelling strategies for non-equilibrium flows |
| ***3.00pm, Wednesday 21 March 2007, GB/C22*** | |
| Jordan Taylor | Active Flow Control Actuators for Hypersonic Applications |
| Ashiq Khalid | High Temperature Measurements with Thermographic Phosphors |
| ***3.00pm, Wednesday 4 April 2007, GB/C22*** | |
| Jie Yu | Wave-induced nearshore currents and coastal morphology |
| Shafiq Qureshi | Large Eddy Simulation of bluff body flame |
| ***3.00pm, Wednesday 18 April 2007, GB/C22*** | |
| Antonio Filippone | Aircraft Contrails |
| Parham Momeni | Numerical Investigation of pulsating re-circulating flows |
| ***3.00pm, Wednesday 2 May 2007, GB/C22*** | |
| Ali Omranian | The Computation of buoyant flows, using analytical wall functions |
| Athanasios Zacharos | The computation of unsteady flows in rotating cavities |
| ***3.00pm, Wednesday 16 May 2007, GB/C22*** | |
| Amel Boudjir | Modelling flow development in rotating ducts using second-moment closures. |
| Dominic Jones | The modelling of sprays using the moments method, employing size distribution functions derived from its moments. |
| Isares Dhuchakallaya | Modelling of spray combustion based on the drop number size moments. |