



## **ERCOFTAC Autumn Festival 2013**

### **The Leonardo da Vinci Student Award**

**followed by**

### **The ERCOFTAC 25<sup>th</sup> Anniversary Celebration**

**26<sup>th</sup> September at the  
BP Institute and Trinity College Cambridge**



## **The Leonardo da Vinci Student Award (Sponsored by UK Aerodynamics)**



- 9.30 Refreshments & Registration  
10.00 Welcome
- 10.10 'The UK Aerodynamics Centre' , *Frank Ogilvie, Chief Aerodynamicist, UKAC*  
10.30 'Modelling flow in porous rocks for the Energy Sector' ,  
*Prof. A.W. Woods, BP Institute.*  
11.00 'Quantifying guidelines and criteria for using turbulence models in complex flows' , *Prof. Mark Savill, Cranfield University*  
11.30 'Bloodhound: Can a supersonic car stay on the ground' ,  
*Prof. Oubay Hassan, Swansea University*
- 12.00 LUNCH
- 13.00 'Introduction – History of the da Vinci Award' , *Bernard Geurts, SPC Chairman*  
13.15 The 2013 da Vinci Lecture, *Prof Leonhard Kleiser, ETH Zurich*



### Da Vinci Student Award Presentations

- 14.00 'Development of Smoothed Particle Hydrodynamics approach for modelling multiphase flows with interfaces', *Kamil Szewc (Universities of Gdansk & Lorraine)*
- 14.30 'Nonlinear self-excited thermoacoustic oscillations: bifurcations and routes to chaos', *Karthik Kashinath (University of Cambridge)*
- 15.00 Intermission
- 15.15 'Active control and modal structures in transitional shear flows', *Onofrio Semeraro (KTH)*
- 15.45 'Aeroacoustics of corrugated pipes: silence is golden', *Gunes Nakiboglu (TU Eindhoven)*
- 16.15 'Energy concentration by converging shock waves in gases', *Malte Kjellander (KTH)*
- 16.45 Panel retires
- 17.15 **Award Ceremony**  
*Medals, certificates and winner's prize courtesy of UKAC*
- 17.30 Refreshments

### The ERCOFTAC 25<sup>th</sup> Anniversary Celebration

- 18.00 KEYNOTE ADDRESS
- 'The ERCOFTAC Silver Jubilee - A History of Achievement and Aspiration'*  
*A. Hutton, KNC Chairman*
- 19.00 Coach Transport to Trinity College
- 19.15 Reception, Old Combination Room, Trinity College
- 20.00 Dinner, Old Kitchen, Trinity College