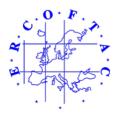
#### **ERCOFTAC Autumn Festival 2013**



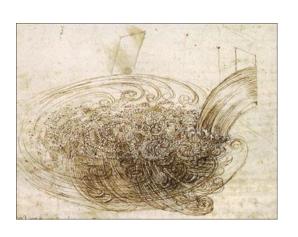
# The Leonardo da Vinci Student Award followed by



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

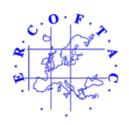
26<sup>th</sup> September at the BP Institute and Trinity College Cambridge

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





9.30	Refreshments & Registration 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', <i>Prof. Mark Savill, Cranfield</i>
11.30	University '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, <i>Prof Leonhard Kleiser, ETH Zurich</i>





### **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', <i>Karthik Kashinath</i> ( <i>University of Cambridge</i> )
15.00	Intermission
15.15	'Active control and modal structures in transitional shear flows', <i>Onofrio Semeraro (KTH)</i>
15.45	'Aeroacoustics of corrugated pipes: silence is golden',  Gunes Nakiboglu (TU Eindhoven)
16.15	'Energy concentration by converging shock waves in gases', <i>Malte Kjellander (KTH)</i>
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