

SCIENTIFIC PROGRAMME

ERCOFTAC Autumn Festival organised by PC Italy - October 15 2015

Sala lettura - Biblioteca Leonardiana, Via Giorgio La Pira, 1, 50059 Vinci (Florence), Italy

- 9.00-9.30: Coffee and registration
- 9.30-9.40: Opening - Welcome
- 9.40 -10.00: *Experimental investigation of near lean blowout flame behavior in a liquid fueled combustor with single and multi-point injection*, M.G. De Giorgi, University of Salento
- 10.00-10.20: *Inertial, elongated and motile particles in turbulence*, C. Marchioli, University of Udine
- 10.20-10.40: On the effect of irregular rough walls on the turbulent flows and particle dynamics, M. De Marchis, Kore University
- 10.40-11.00: *Turbulence modulation by inertial particles*, P. Gualtieri, University of Rome 'La Sapienza'
- 11.00-11.30: Coffee break
- 11.30-11.50: *Compressibility effects on roughness-induced boundary layer transition*, M. Bernardini, University of Rome 'La Sapienza'
- 11.50-12.10: *Simulation and stability analysis of boundary layers controlled by miniature vortex generators*, S. Camarri, University of Pisa
- 12.10-12.30: *Global stability of bluff-body wakes*, F. Giannetti, University of Salerno
- 12.30-12.50: *Modeling the fluid mechanics through artificial heart valves: turbulence and blood damage*, M. D. De Tullio, Politecnico di Bari
- 12.50-13.50: Lunch
- 13.50-14.40: **Da Vinci Lecture:** *Some reflections on the past, present and future of LES*, M. Germano, Duke University
- 14.40-15.00: *From rolls to streaks and from waves to sheets: Unravelling the dynamics of viscoelastic turbulence*, J. Page, Imperial College
- 15.00-15.20: *Tracking eddies in wall-bounded turbulence*, A. Lozano-Durán, Technical University of Madrid
- 15.20-15.50: Coffee Break
- 15.50-16.10: *Manipulation of liquid metal foam with electromagnetic fields - a numerical study*, S. Heitkam, TU Dresden
- 16.10-16.30: *The formation of patterns in subaqueous sediment*, A.G. Kidanemariam, Karlsruhe Institute of Technology
- 16.30-16.50: *Highly turbulent Taylor-Couette flow: direct numerical simulations*, R. Ostilla Mónico, University of Twente
- 16.50: Panel retires
- 17.30: Award Ceremony: Medals, certificates and winner's prize
- 18.00: Guided tour of the 'Museo Leonardiano'
- 20.00: Dinner at restaurant Borgo Allegro, Via Fucini 20, Vinci, www.borgoallegro.it

ERCOFTAC Autumn Festival organised by PC Italy - October 16 2015

Sala lettura (1st floor)- Biblioteca Leonardiana, Via Giorgio La Pira, 1, 50059 Vinci (Florence), Italy

- 9.00-10.30: Scientific Program Committee Meeting
- 10.30-11.00: Coffee break
- 11.00 -12.00: Scientific Program Committee Meeting
- 12.00-13.30: Lunch
- 13.30-17.30 Managing Board Meeting

Sala Didattica -Museo Leonardiano, Piazza dei Guidi, 50059 Vinci (Florence), Italy

- 9.00-10.30: Knowledge Network Committee Meeting
- 10.30-11.00: Coffee break
- 11.00 -12.00: Knowledge Network Committee Meeting
- 12.00-13.30: Lunch