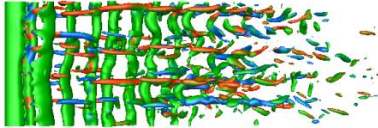


ERCOFTAC WORKSHOP on Direct and Large-Eddy Simulation DLES10

27th -29th May 2015, Limassol, Cyprus
<http://dles10.org/home>



DLES10

Background & topics

The bi-annual Workshop series on Direct and Large Eddy Simulation (DLES) which started in 1994 focused on modern techniques to simulate turbulent flows based on the partial or full resolution of the instantaneous turbulent flow structure. With the growing capacities of modern computers, this approach has been gaining more and more interest over the years and will undoubtedly be further enhanced and applied.

The “**Ercoftac Workshop Direct and Large-Eddy Simulation 10**” was hosted in Cyprus by the Department of Mechanical & Manufacturing Engineering of the University of Cyprus, during 27th-29th May 2015. The Conference took place in Limassol at the Royal Apollonia beach hotel.

This gathering of specialists in the field was a unique opportunity for discussions about recent advances in the prediction, understanding and control of turbulent flows in academic and industrial applications. A total of 85 persons participated including seven invited speakers and 37 PhD students.

The goal of the workshop was to establish a state-of-the-art of DNS, LES and related techniques for the computation and modelling of turbulent and transitional flows. The broad range of featured topics for the 10th edition of DLES in Cyprus were: LES Fundamentals and modeling, quality of LES, numerical techniques, heat & mass transfer, biological flows, multiphase flows, industrial applications, environmental and geophysical applications as well as reacting flows and combustion

Invited speakers

- [Maria Vittoria Salvetti](#), University of Pisa
- [Elisabetta De Angelis](#), University of Bologna
- [Elias Balaras](#), The George Washington University
- [Ruud L.G.M. Eggels](#), Rolls-Royce Deutschland Ltd & Co KG
- [Dominique Thévenin](#), Univ. of Magdeburg
- [Maarten Van Reeuwijk](#), Imperial College London
- [Richard D. Sandberg](#), Univ. of Southampton

Local organization

Dr. Dimokratis G.E. Grigoriadis
Department of Mechanical & Manufacturing Engineering
University of Cyprus, grigoria@ucy.ac.cy

Organizing Committee

Vincenzo Armenio (Trieste, Italy)
Jochen Fröhlich (Dresden, Germany)
Bernard J. Geurts (Twente, Netherlands)
Hans Kuerten (Eindhoven, Netherlands)

Sponsors

- [European Research Community On Flow, Turbulence And Combustion](#)
- [J.M. Burgerscentrum \(JMBC\)](#)
- [Cypriot Tourism Organisation](#)
- [University of Cyprus](#)
- [Ucy-CompSci](#)

