



First Announcement and Call for Papers

ERCOFTAC International Symposium on Engineering Turbulence Modelling and Measurements - ETMM 6 -

May 23-25, 2005, Sardinia, Italy

Objectives and Scope

The Symposium is a direct continuation of a series on the topic of Engineering Turbulence Modelling and Measurements (ETMM), held for the first time under the aegis of ERCOFTAC. The first five Symposia were held successfully in Dubrovnik, Yugoslavia, from September 24 - 28, 1990, Florence, Italy, from May 31 - June 2, 1993, Crete, Greece, from May 27 - 29, 1996, Corsica, France, from May 24 - 26, 1999, and Mallorca, Spain, from September 16-18, 2002. The sixth Symposium will again provide an opportunity for engineers and scientists to present the state of the art, discuss new developments and exchange ideas in the areas of turbulent flow modelling and measurements. Invited lectures and contributed papers will be presented by researchers from around the world. The organising committee will be composed of members of the ERCOFTAC Scientific Programme Committee and other leading international experts in various disciplines of turbulent flow research.

Papers are solicited on the following topics:

- Eddy-viscosity and second-order RANS models
- Direct and large-eddy simulations and deductions for conventional modelling
- Measurement and visualization techniques
- Turbulence control, Aero-acoustics
- Transition and effects of curvature, rotation and buoyancy on turbulence
- Heat and mass transfer and chemically reacting flows
- Compressible flows, shock phenomena
- Two-phase flows
- Applications in aerospace engineering, turbomachinery and reciprocating engines, industrial aerodynamics and wind engineering, and selected chemical engineering problems

Location

The conference will be held at the *Sofitel Thalassa Timi Ama Hotel*, located near the small town of Villasimus, 50 km west of the city of Cagliari and its airport, on the south-east tip of the island of Sardinia, Italy. Late May is a season with usually nice weather and pleasant temperatures.

Paper submission and selection

Authors should submit abstracts of about 500 words, with supporting figures as appropriate, to the Symposium Chairman (W. Rodi). If possible, the abstracts should be sent as pdf (preferred), postscript or Word document in an attachment to an e-mail; alternatively 3 paper copies should be mailed. The covering letter should contain: 1) five keywords to describe and categorize the work easily; 2) name, address, phone, fax number and E-mail address of author to whom correspondence should be directed. The abstracts will be used for preliminary screening. The final acceptance of the papers will be based upon reviews of the complete manuscript. All accepted papers will be published by Elsevier in a Symposium volume available at the time of the conference. It is planned to publish selected papers in a special issue of the International Journal of Heat and Fluid Flow after the Symposium. The official language of the conference is English.

Deadlines

May 1, 2004: Abstracts due
June 15, 2004: Notification of abstract acceptance

September 15, 2004: Full-length papers due
November 15, 2004: Notification of final paper acceptance

Symposium Chairman:

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Further details on the conference and on the local arrangements will be given in the second announcement to be sent out in February 2004. Enquiries should be addressed to the Symposium Co-Chairman (Dr. Mulas). Continuously updated information can be found on the

home page:

<http://www.crs4.it/ETMM6>