

# SIXTH INTERNATIONAL SYMPOSIUM ON APPLICATIONS OF LASER TECHNIQUES TO FLUID MECHANICS

and

## WORKSHOP ON COMPUTERS IN FLOW MEASUREMENTS

20–23 July 1992

### *Purpose*

The symposium will present new research on laser techniques for flow measurements and results of significance to fluid mechanics. It will emphasize the application of laser techniques to scientific and engineering investigations of fluid flow. Contributions to the theory and practice of laser methods will be accepted where they facilitate new improved fluid mechanical investigations by techniques including laser-Doppler anemometry, particle sizing and other methods for the measurements of velocity and scalars such as particle image velocimetry and laser-induced fluorescence.

### *Sessions*

Approximately 24 formal and Open Forum sessions are planned. Contributed papers are welcome in the following areas: turbulent flows; unsteady flows; hydrodynamic and aerodynamic flows; reacting flows; two-phase flows; particle sizing; developments of optical and electronic instrumentation for laser anemometry; whole field velocimetry; optical methods for temperature, density, concentration; imaging methods for scalar fields.

In addition a workshop will take place on Computers in Flow Measurements.

### *Organizing Committee*

**D. F. Durão** (Chairman), Instituto Superior Técnico, Lisboa, Portugal.

**R. J. Adrian**, University of Illinois, Urbana, U.S.A.

**M. Maeda**, Keio University, Yokohama, Japan.

**F. Durst**, University of Erlangen, Erlangen, Fed. Rep. Germany.

**J. H. Whitelaw**, Imperial College, London, England.

### *For the workshop*

**H. F. Pfeifer**, Institut Franco-Allemand de Recherches de Saint-Louis, France.

### *Abstracts*

Paper selection will be based upon a reviewed abstract of not less than 500 words which should be typed double-spaced and state the purpose, results and conclusions of the work with supporting figures as appropriate. Four copies of the abstract should be submitted to:

Professor D. F. G. Durão  
Instituto Superior Técnico  
Dept of Mechanical Engineering  
Av. Rovisco Pais  
1096 Lisboa Codex, Portugal

### *Deadlines*

Final date for receipt of abstracts .....	<b>18 December 1991</b>
Authors informed concerning acceptance .....	<b>18 February 1992</b>
Final date for receipt of camera-ready manuscripts.....	<b>15 May 1992</b>

### *Proceedings*

All papers accepted for presentation will be incorporated in a proceedings volume which will be available at the time of the symposium. It is intended that a bound volume will subsequently be published and will contain a selection of extended papers.

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