

## ANNOUNCEMENTS

### SECOND INTERNATIONAL SYMPOSIUM ON APPLICATIONS OF LASER ANEMOMETRY TO FLUID MECHANICS

Lisbon, Portugal, 2–4 July 1984

#### *Purpose*

THE SYMPOSIUM aims to present new results, of significance to fluid mechanics obtained by laser anemometry. It is intended that these results will improve the present understanding of complex flows, both laminar and turbulent, and their implications for the solution of problems of fluid mechanics will be emphasized. Contributions to the theory and practice of laser anemometry will be presented where they facilitate new fluid-mechanic investigations.

#### *Sessions*

Approximately 12 formal sessions and panel discussions are planned. Contributed papers are welcome in the following areas:

- jets, wakes and mixing regions;
- boundary layer flows;
- corner flows;
- separated flows;
- atmospheric boundary layer flows;
- slurry flows;
- reacting flows;
- flows with imposed oscillations;
- two phase flows;
- instrumentation developments intended to improve accuracy and range of measurements.

#### *Abstracts*

Paper selection will be based upon a reviewed abstract of not less than 500 words which should be typed double spaced stating the purpose, results and conclusions of the work with

supporting figures as appropriate. Five copies of the abstract should be submitted to:

Professor D. F. G. Durão,  
Department of Mechanical Engineering,  
Instituto Superior Técnico,  
Avenida Rovisco Pais,  
1096 Lisbon, Portugal.

#### *Deadlines*

Final date for receipt of abstracts, 16 December 1983.

Authors informed concerning acceptance, 24 February 1984.

Final date for receipt of camera-ready manuscripts, 11 May 1984.

#### *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.

#### *Organizing committee*

Professor D. R. F. Durão (Chairman), Instituto Superior Técnico, Lisbon, Portugal.

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

Professor F. Durst, University of Erlangen, Erlangen, W. Germany.

Professor H. Mishina, University of Chiba, Chiba, Japan.

Professor J. H. Whitelaw, Imperial College, London, U.K.

### XVI ICHMT SYMPOSIUM—HEAT AND MASS TRANSFER IN FIXED AND FLUIDIZED BEDS

Dubrovnik President Hotel, Dubrovnik, Yugoslavia, 3–7 September 1984

FLUID beds and packed beds are extensively used as fluid solid contactors and/or chemical reactors in the process industry, in energy conversion operations and in metallurgical processes etc.

Considerable research effort has been devoted to obtain a basic insight in the heat and mass transport in these systems. New concepts, refined measurements and new application areas have stimulated the development of ideas and knowledge on the transport phenomena and produced sophisticated theories and design procedures for fluid beds and packed beds. The present Symposium aims at bringing together the results of basic research on heat and mass transfer and the problems and difficulties encountered in the practical applications of packed and fluid beds as gas-solid contactors/reactors in combustion, gasification and physical operations like heat exchange and drying. With respect to the applications, the emphasis will be put on the fluid and packed bed energy conversion operations, but also contributions in the field of chemical reactors, and physical processes are

welcomed. Special attention will be focused on new developments for the basic understanding of fluid and packed beds and new innovations in their applications.

The Symposium will comprise of sessions on:

1. Heat and mass transfer in packed beds
2. Hydrodynamics and dispersion of heat and mass in packed beds
3. Heat and mass transfer in fluidized beds
4. Heat transfer to walls in fluidized beds
5. Transport properties in large particle fluidized beds
6. Reactor modelling and experimental techniques of fluidized bed reactors
7. Energy conversion in fluid bed reactors: fluid bed combustion and gasification
8. Drying and physical processes in fluid beds
9. Packed and moving bed reactors
10. Special operations with fluid beds: heat exchangers, cascades, internals, fast beds, risers.

*Contributions to the Symposium, paper selection and deadlines*

Papers are invited in the subject area of the Symposium, within the scope of the sessions listed above. Persons wishing to contribute papers to this Symposium should submit an abstract in English of 500–750 words by 31 December 1983. The abstract should be of suitable technical quality so that a reasonable judgement based on comparative merit may form the basis for selection.

Authors will be notified of acceptance of their papers by 1 February 1984.

Accepted papers will be required by 5 April 1984, and must be in English. At the time the authors will be given mats to finalize their typescripts. All papers will be published and distributed to the participants at the Symposium in Dubrovnik. Additional copies of the Proceedings will be available after the Conference.

Due to the limited time schedule, one copy of the abstract should be forwarded to the Chairman of the Symposium Organization Committee:

Professor W. P. M. van Swaaij  
Twente University of Technology  
Enschede  
The Netherlands

and one copy sent should be sent to the Scientific Secretary:

Professor Naim Afgan  
ICHMT  
P.O. Box 522  
11 001 Belgrade  
Yugoslavia.