

## ANNOUNCEMENTS

### NATO ADVANCED STUDY INSTITUTE ON: TWO-PHASE FLOWS AND HEAT TRANSFER

Istanbul, Turkey

16–27 August 1976

AN ADVANCED Study Institute sponsored by NATO Scientific Affairs Division will be held on the Campus of the University of Bosphorus, Istanbul, 16–27 August 1976. This meeting will be a high level teaching activity (summer school) on Two-Phase Flow Heat and Mass Transfer. The subject will be treated in considerable depth by lecturers eminent in their field. A limited amount of paper presentations, however, will also be included. Topics that will be covered in the meeting include, but will not be restricted to, Two-phase flow fundamentals, Two-phase flow

heat and mass transfer, Sustained and transient instabilities, Pressure losses and scaling laws in two-phase flow and boiling, Two-phase flow and heat transfer in water cooled nuclear reactors and other applications in industry. Attendance at the meeting will be limited. A limited number of travel and/or subsistence grants will be awarded. Further information can be obtained from: Dr. S. Kakac, Department of Mechanical Engineering, Middle East Technical University, Ankara, Turkey.

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### 25th HEAT TRANSFER AND FLUID MECHANICS INSTITUTE

University of California, Davis Campus

21–23 June 1976

SESSIONS ON Combustion, Heat exchangers, Fluids, Thermal convection, Two-phase flow, Compressible flow and turbulence models. Speakers include Austin Heller; ERDA; Peter Bradshaw, Imperial College; John Heywood, MIT; J. P. Longwell, Esso Research Corporation; Marshall Lapp,

General Electric, and Thomas Davis, University of Cincinnati. Programs to be mailed in mid-April. Write in May to Allan McKillop, General Chairman, HTFMI, Department of Mechanical Engineering, University of California, Davis, CA 95616, USA.

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### CALL FOR PAPERS

### SYMPOSIUM ON TURBULENT SHEAR FLOWS

18–20 April 1977

The Pennsylvania State University, University Park, PA 16802, U.S.A.

#### *Sponsorship*

The 3-day Symposium is sponsored by the Pennsylvania State University in cooperation with the Fluids Engineering and Heat Transfer Divisions of the American Society of Mechanical Engineers.

#### *Scope*

The Symposium will be concerned with various aspects of turbulent-shear-flow problems; these include (but are not limited to) measurements of turbulent flow phenomena, the development of instrumentation for turbulence measurement, mathematical modelling, numerical solution techniques and applications of complete calculation procedures. The Symposium will consider recirculating as well as thin shear flows and special sessions are planned on flows in the environment and reacting flows. Besides the presentation of technical papers, the Symposium will provide a forum for specialist group discussions on problems of common interest:

#### *Papers*

Persons wishing to offer a paper for presentation at the Symposium should submit 5 copies of an extended 1000-word abstract to any member of the Organizing Committee below. The abstracts, in English, should state clearly the

purpose, results and conclusions, with supporting figures as appropriate.

Papers for inclusion in the Symposium will be chosen with the help of an Advisory Committee on the basis of the abstracts. Successful authors will be invited to prepare their papers typed on mats in a form suitable for direct reproduction. Bound copies of all papers will be presented to those attending the Symposium.

The final date for the submission of abstracts is 31 May 1976. Authors will be notified of whether their abstract has been accepted by 1 November 1976; thereafter, the final date for submission of typed manuscripts is 31 January 1977.

Abstracts or requests for further information should be addressed to one of the Organizing Committee members:

Dr. F. Durst, Sonderforschungsbereich 80, University of Karlsruhe, 75 Karlsruhe 1, West Germany

Professor F. W. Goldschmidt, School of Mechanical Engng, Purdue University, West Lafayette, IN 47907, U.S.A.

Dr. B. E. Launder, Department of Mech. Engng, Imperial College, London SW7 2BX, England

Professor F. W. Schmidt, Department of Mechanical Engng, The Pennsylvania State University, University Park, PA 16802, U.S.A.

Professor J. H. Whitelaw, Department of Mech. Engng, Imperial College, London SW7 2BX, England