

ANNOUNCEMENTS

NUMERICAL METHODS IN THERMAL PROBLEMS 4th International Conference, Swansea 15-18 July 1985

This conference is the fourth in the continuing series on the application and development of numerical methods of analysis for thermal problems. The conference will provide a forum for the presentation and discussion of recent advances in this area and will cover a broad spectrum of problems involving heat transfer. The conference papers will report on innovative computational techniques and also on the validation of existing numerical models by comparison with experimental data.

For further information, please contact

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NUMERICAL METHODS IN LAMINAR AND TURBULENT FLOW 4th International Conference, Swansea 9-12 July 1985

The main objective of this fourth conference has not changed since the inception of the series. This is the provision of a forum for the presentation and discussion of recent advances in the development and application of numerical methods to solve problems of fluid flow. The broad spectrum of research topics under the subject heading 'Laminar and Turbulent Flow' will be integrated within the following main subject areas—

LAMINAR FLOW
LUBRICATION
FREE/FORCED CONVECTION
TURBULENT FLOW
TURBULENT HEAT TRANSFER
FLUID/STRUCTURE INTERACTION
TURBOMACHINERY
METEOROLOGY
REACTOR TECHNOLOGY

It is envisaged that most of the conference papers will report on recently developed innovative computational techniques, in particular finite difference and finite element methods.

Papers utilizing 'standard' numerical techniques for comparison with new experimental results will also be presented.

For further information, please contact

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THE INTERNATIONAL ASSOCIATION FOR COMPUTATIONAL MECHANICS (IACM)

Over the past two decades the field of computational mechanics has taken form and made dramatic advances. Contributions in this field span many disciplines, including theoretical mechanics, practical engineering computations, numerical analysis and computer science. To advance the state-of-the-art in computational mechanics and to enable a more rapid dissemination of new developments in this field the International Association for Computational Mechanics (IACM) has been formed. The Association has already been admitted to affiliated membership of The International Union of Theoretical and Applied Mechanics (IUTAM).

There are three major objectives of the Association:

1. Rapid dissemination of scientific advances to

members by facilitating the exchange of reports and papers and by providing information on forthcoming conferences.

2. Coordination of scientific meetings.
3. Holding of a scientific congress under IACM aegis at regular intervals.

Membership of the Association is available to individuals, institutions or corporations. Enquiries regarding membership should be addressed to Professor R. H. Gallagher, The IACM Secretariat, Worcester Polytechnic Institute, Worcester, Massachusetts 01609, U.S.A. All IACM members receive a copy of the quarterly IACM Bulletin which contains short articles, lists of reports and papers published by members' organizations as well as general news and information about forthcoming meetings and short courses.

FIRST IACM WORLD CONGRESS

The International Association of Computational Mechanics (IACM) announces its First World Congress on Computational Mechanics. Host of the Congress will be the Texas Institute for Computational Mechanics (TICOM) and George Washington University. Several other societies will also contribute support to this meeting. The meeting will bring together researchers in computational methods from many diverse areas including civil engineering, computational fluid mechanics, computational structural mechanics, control theory, applied mathematics and supporting areas.

There will also be sessions on artificial intelligence, expert systems and parallel computing, and displays of new hardware and software by various commercial firms are expected. The tentative date and place for the meeting are 22-25 September 1986 at the University of Texas at Austin. To add your name to the mailing list for further information, write to:

WCCM/TICOM
The University of Texas at Austin
Austin, Texas, 78712, U.S.A.