INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN FLUIDS, VOL. 5, 399–401 (1985)

ANNOUNCEMENTS

THE 8TH INVITATIONAL UFEM SYMPOSIUM: UNIFICATION OF FINITE ELEMENT SOFTWARE SYSTEMS

3 May 1985, Storrs, Connecticut, U.S.A. will be dedicated to Professor RICHARD H. GALLAGHER

The symposium will take place on 3 May 1985, in the IMS Auditorium of the University of Connecticut. As in previous years, the symposium promotes the alliance of industry and academia. The 8th UFEM addresses the interaction of various software systems in different stages of processing. User's interface with FEM data base, interactive graphics and adaptive processing are among the topics to be presented. All presentations are by invitation upon recommendation of Software Advisory Board members J. Abel, K. J. Bathe, H. D. Hibbitt, A. K. Noor, N. Perrone, and B. A. Szabo. General Advisory Board members are J. H. Argyris, I. Babuska, L. Collatz, A. C. Eringen, R. H. Gallagher, J. T. Oden, T. H. H. Pian, and O. C. Zienkiewicz. Technical information about the symposium can be obtained from:

Professor H. Kardestuncer, Chairman
8th UFEM Symposium
University of Connecticut, U-37
Storrs, CT 06268, U.S.A.
(203) 486-2121

International Conference on FINITE ELEMENTS IN COMPUTATIONAL MECHANICS IIT-Bombay, INDIA, 2–6 December 1985

FEICOM-85

Themes

- transient dynamic problems
- fluid–solid interaction problems
- soil–structure interaction and rock mechanics problems
- fluid flow
- nonlinear mechanics and plasticity problems
- modelling of reinforced and prestressed concrete for elastic and inelastic response
- fibre–reinforced composite materials
- thermal and heat transfer problems
- new computational techniques
- interactive computer graphics

Further information from

Dr Tarun Kant
Convener, FEICOM–85
Department of Civil Engineering
Indian Institute of Technology
Powai, Bombay–400 076, INDIA.

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POLYMODEL 8 INDUSTRIAL FLUID FLOW COMPUTATION

22/23 May 1985 Teesside Polytechnic

The eighth of the annual conferences organized by the North East Polytechnics Mathematical Modelling and Computer Simulation Group will be held at Teesside Polytechnic on 22/23 May 1985. Polymodel is organized by a joint industrial/academic collaborative group with several research activities in the field of fluid flow. The conference is orientated toward industrial applications and aims to examine successful modelling approaches and their limitations. It is intended that the application bias and software exhibition will complement other conferences which emphasize mathematical techniques.

The conference fee including meals and a bound copy of the proceedings is £75. Inexpensive accommodation is available.

Offers of papers and/or software and requests for information should be sent to the Conference Secretary, Dr. A. W. Bush, Department of Mathematics and Statistics, Teesside Polytechnic, Borough Road, Middlesbrough, Cleveland, TS1 3BA
(Telephone: 0642–218121 ext. 4376)

TENTH INTERNATIONAL CONFERENCE ON NUMERICAL METHODS IN FLUID DYNAMICS

23–27 June 1986, Beijing, China

Technical programme

The technical program will consist of invited review lectures and contributed papers. There will be no parallel session. The contributed papers will deal with recent advances in numerical methods applied to problems in fluid dynamics and solutions of new fluid flow problems established by numerical modelling. As an indication, here is a non-exhaustic list of fields which might be covered by contributed papers:

* Numerical solution of the NAVIER–STOKES or EULER equations
* Numerical techniques free Lagrangian, Adaptative meshes, Multifluid method, etc.) in fluid dynamics
* Accuracy of numerical solutions
* Numerical modelling in gas dynamics: Transonic flows, Transitional and Turbulent flows, Internal flows, Rotating flows, Boundary layers, Combustion processes (Possibly extended to detonation and deflagration phenomena), etc.

Language

The working language of the conference will be Engligh

Call for papers

Contributed papers will be selected on the basis of a 1000-word abstract in English to be submitted before 15 December 1985.

Further details from

The Conference Secretary
Mr. Tang. Jinzhuo
Chinese Aerodynamics Research Society
Beijing, China
P.O.Box 2425
Tel: 285780
Telex: 20035 CAST CN

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 validification of existing numerical models by comparison with experimental data.

For further information, please contact

Dr. K. MORGAN
Department of Civil Engineering
University College of Swansea
Singleton Park
Swansea SA2 8PP
U.K.

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

Dr. C. TAYLOR
Department of Civil Engineering
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