ANNOUNCEMENTS

7TH INTERNATIONAL CONFERENCE ON NUMERICAL METHODS IN LAMINAR AND TURBULENT FLOW

15–19 July 1991, Stanford, California, USA

Objectives. The continuing rapid growth of research in CFD is manifest in the marked increase in innovative scientific papers that have been published recently. The stage has now been reached when industrial organizations are, with increasing confidence, using software, based on recently developed methodologies, to solve hitherto intractable problems. The transfer and dissemination of knowledge to effect a link between researchers and industry should be fostered and encouraged. It is evident, from the number of citations to the conference proceedings and usage of advocated techniques therein, that previous conferences in this series have played a significant role in such transfer and dissemination. They provide a forum for the presentation and, equally important, discussions between leading scientists, engineers and industrialists in order to initiate a cross fertilization of ideas from diverse disciplines.

Manuscripts that relate to computational methods in fluid dynamics, laminar and turbulent flow, are solicited. Earlier conferences in the series were consciously directed at manuscripts reporting innovative methods in CFD supported by theoretical or experimental studies. As in all engineering disciplines, innovation and application to solve industrial problems can be equally onerous regarding both ingenuity and effort. Therefore, the current conference organizers have placed equal emphasis on innovation and application. In this frame of reference, papers dealing with innovative concepts and their validation, or otherwise, by comparing new or previously advocated methodologies with physical measurements are actively solicited. The conference is intended to encompass the following subjects:

turbulence models; separation, circulation; vortex-dominated flows; Navier–Stokes solution algorithms; coupled solid/fluid interaction forced convection—fluid and fluid/solid interaction; grid generation; acceleration techniques; treatment of near wall zones—transfer of shear and heat; aerodynamics—low-speed and hypersonic; non-Newtonian flow; external flows; turbomachinery; offshore and river hydrodynamics; meteorology; free surface flows.

Call for papers. Abstracts of approximately 500 words proposing papers in the above or related fields of study are invited immediately or at the latest by 20 December 1990. Notification of acceptance will be forwarded within one month of the above date. Coincident with the notification authors will be advised on the recommended format for the preparation of manuscripts and relevant material will be forwarded to the author(s). As during previous meetings, the proceedings will be available at the time of the conference and, therefore, will be a state-of-the-art publication, which will be distributed internationally. To meet the requirement, authors must return completed manuscripts by 1 April 1991.

Abstracts. The 500 word abstract should be sent to:

Professor C. Taylor
Department of Civil Engineering
University College of Swansea
Swansea SA2 8PP, UK
TEL: 44(0792) 295256
FAX: 44(0792) 295676

7TH INTERNATIONAL CONFERENCE ON NUMERICAL METHODS FOR THERMAL PROBLEMS

8–12 July 1991, Stanford, California, USA

Organizing Committee

J. H. CHIN	Lockheed Missiles and Space Co, Sunnyvale, USA
G. M. HOMSY	Stanford University, Stanford, USA
L. IMRE	Technical University, Budapest, Hungary
R. W. LEWIS	University College of Swansea, UK
K. MORGAN	Imperial College, London, UK
R. OHAYON	ONERA, Chatillon, France
B. A. SCHREFLER	University of Padova, Italy
J. F. STELZER	KFA Zentralabteilung Allgemeine Technologie, Julich, W Germany
H. TANIGUCHI	Hokkaido University, Sapporo, Japan

Objectives. This conference will be the seventh in the series entitled 'Numerical Methods for Thermal Problems'. The continuing objectives of this series is the provision of a forum of the presentation and discussion of recent advances in the development and application of numerical methods to the solution of heat transfer problems. Some key areas include:

conduction, natural and/or forced convection and radiation heat transfer; fire and/or combustion modelling/analysis; phase change problems; solidification and material modelling in casting processes; thermal/structures, interactions, modelling/analysis; computational algorithms and parallel computation; adaptive/hierarchical techniques in heat transfer; innovations in pre/post processing for thermal problems; computational aspects of heat transfer in composites, ceramics, fibres, plastics, etc.; CAD/FEM interface for thermal problems; software developments; thermal/electronic and electromagnetic problems.

The Organizing Committee will welcome the submission of papers describing recent work within the general area. It is expected that most submitted papers will report on recently developed computational techniques, in particular finite difference and finite element methods. However, papers dealing with the comparison of standard numerical models with experimental data are also welcome. Papers involving innovative methods in thermal problems and industrial applications are also strongly encouraged as in the previous conference.

Call for papers. Abstracts of approximately 500 words proposing papers in the above or related fields of study are invited immediately or at the latest by 20 December 1990. Notification of acceptance will be forwarded within one month of the above date. Coincident with the notification authors will be advised on the recommended format for the preparation of manuscripts and relevant material will be forwarded to the author(s). As during previous meetings, the proceedings will be available at the time of the conference and, therefore, will be a state-of-the-art publication, which will be distributed internationally. To meet this requirement, authors must return completed manuscripts by 1 April 1991.

Abstracts. The 500 word abstract should be sent to:

Professor R. W. Lewis
Department of Civil Engineering
University College of Swansea
Swansea SA2 8PP, UK
TEL: 44(0792) 295253
FAX: 44(0792) 295676

Please indicate the general heading under which you require your paper to appear.

2ND INTERNATIONAL CONFERENCE ON COMPUTER MODELLING IN OCEAN ENGINEERING

30th September–4th October, 1991, UPC (University of Catalonia), Barcelona, Spain

Deadline for papers: April 20, 1991. Abstracts and request for format sheets should be sent as soon as possible.

Conference address:
Dr A. S. Arcilla
Laboratori d'Enginyeria Maritima, LIM
Dept. Eng. Hidraulica, Maritima & Ambient
UPC, University of Catalonia
Jordi Girona Salgado 31
08034 Barcelona, Spain
TEL: 343-4016468
FAX: 343-4016504

Conference topics: Modelling of waves, currents, tides and other sea level oscillations. Modelling of wave forces on structures and other fluid structure interaction problems (including ship motions, towed bodies and new types of vessels). Modelling of coastal morphodynamics, sediment transport and other environmental problems (dispersion of contaminants, coastal water quality, etc). Modelling of marine geotechnical problems. Modelling of sound transmission and underwater communication.

Conference fee: US$420

Organising Committee:
Dr A. S. ARCILLA
Dr O. C. ZIENKIEWICZ
Dr M. PASTOR
Dr B. A. SCHREFLER

The Conference will be preceded by a short course on Ocean Engineering topics, to be held at Sitges, near Barcelona, 26–28 September 1991. Fee: US$250.

The Course and Conference are co-sponsored by UNESCO (Division of Marine and Engineering Science).