

## ANNOUNCEMENTS

### 8TH INTERNATIONAL CONFERENCE ON NUMERICAL METHODS IN LAMINAR AND TURBULENT FLOW

18-23 July 1993, Swansea, U.K.

#### OBJECTIVES

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 C.F.D. 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 organisers 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 but not exclusive to, 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 **21st December, 1992**. 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 **1st April 1992**.

#### ABSTRACTS

The 500 word abstract should be sent to:

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### 8TH INTERNATIONAL CONFERENCE ON NUMERICAL METHODS FOR THERMAL PROBLEMS

11-16 July 1993, Swansea, U.K.

#### OBJECTIVES

This conference will be the eighth in the series entitled 'Numerical Methods for Thermal Problems'. The continuing objective is the provision

of a forum for 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  
Phase Change Problems  
Solidification and Material Modelling in Casting, Welding, Forging and other Physical Processes  
Thermal/Structure Interactions  
Computational Algorithms  
Adaptive, Remeshing Techniques in Heat Transfer  
Innovations in Pre/Post Processing for Thermal Problems  
Computational Aspects of Heat Transfer in Composites, Ceramics, Fibres, Plastics and Food Products

The Organizing Committee welcome the submission of papers describing recent work within this 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 conferences.

#### **CALL FOR PAPERS**

Abstracts of approximately 500 words proposing papers in the above or related fields of study are invited immediately or at least by 18th December, 1992. Notification of acceptance will be forwarded within one month on 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 1st April 1993.

#### **ABSTRACTS**

The 500 word abstract should be sent to:

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