

## CALL FOR PAPERS

### 4TH INTERNATIONAL CONFERENCE ON NUMERICAL METHODS IN LAMINAR AND TURBULENT FLOW, SWANSEA 9-12 JULY 1985

The conference is the fourth in the continuing successful series on 'Numerical Methods in Laminar and Turbulent Flow'. The most recent was held at Seattle, Washington in 1983.

The main objective of the 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  
COUPLED  
CONDUCTION/CONVECTION  
TURBULENT FLOW  
TURBULENT HEAT TRANSFER

FLUID/STRUCTURE INTERACTION  
TURBOMACHINERY  
METEOROLOGY  
REACTOR TECHNOLOGY

It is envisaged that most of the submitted abstracts and subsequent conference papers will report on recently developed innovative computational techniques, in particular finite difference and finite element methods. However, papers dealing with the utilisation of 'standard' numerical models by comparison with experimental data are encouraged.

Abstracts of 300 words offering papers in the above or related fields are invited immediately or at the latest by 1 November 1984. These should be forwarded to,

Dr. C. TAYLOR  
Department of Civil Engineering,  
University College of Swansea,  
Swansea SA2 8PP, U.K.

## CALL FOR PAPERS

### NUMERICAL METHODS IN THERMAL PROBLEMS

### 4TH INTERNATIONAL CONFERENCE, SWANSEA 15-18 JULY 1985

The conference is the fourth in the continuing successful series on 'Numerical Methods in Thermal Problems'. The most recent was held at the University of Washington, Seattle, in 1983.

The main objective of this conference is to evaluate the advances made in the preceding meetings and to continue the unifying theme of bringing together engineers and scientists working in this important research area. The conference will provide a forum for the presentation and discussion of recent advances in the development and application of numerical methods to solve problems involving heat transfer. The broad spectrum of research topics under the subject heading 'Thermal Problems' will be integrated within the following main subject areas

HEAT CONDUCTION  
PHASE CHANGE  
MOVING BOUNDARIES/  
MATHEMATICAL TECHNIQUES  
HEAT/MASS TRANSFER  
COUPLED CONDUCTION/CONVECTION  
THERMAL STRESSES  
TURBULENT HEAT TRANSFER

FIRE/COMBUSTION SIMULATION  
GEOTHERMAL ENERGY  
NUCLEAR RESEARCH AND  
TECHNOLOGY  
SOLAR ENERGY  
INDUSTRIAL AND SCIENTIFIC  
APPLICATIONS

It is envisaged that most of the submitted abstracts and subsequent conference papers will report on recently developed innovative computational techniques, in particular finite difference and finite element methods. However, papers dealing with the validation of existing numerical models by comparison with experimental data are encouraged.

Abstracts of approximately 300 words are invited on topics dealing with the general area of numerical heat transfer or related fields. These may either be submitted immediately, or at the latest by 1 November 1984, to

Dr. K. MORGAN  
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