ANNOUNCEMENTS

International Conference Series on Advances in:

NUMERICAL METHODS IN ENGINEERING: THEORY AND APPLICATIONS
University College Swansea, U.K.
7–11 January 1985

Scope and Conference themes:
* Transient and Dynamic Analysis: Theory and Applications
* Numerical Techniques for Engineering Analysis and Design
* Constitutive Equations for Engineering Materials
* Application of Microcomputers and Work Stations in Numerical Methods

Over 130 papers have been accepted for the Conference proceedings which will include contributions from the following invited authors.

J. F. Abel (U.S.A.)
J. H. Argyris (Germany)
K. J. Bathe (U.S.A.)
P. G. Bergan (Norway)
M. A. Crisfield (U.K.)
J. Donea (Italy)
R. H. Gallagher (U.S.A.)
R. Glowinski (France)
J. O. Hallquist (U.S.A.)

H. Miyamoto (Japan)
R. Ohayon (France)
A. Samuelsson (Sweden)
I. Smith (U.K.)
E. Steck (Germany)
R. L. Taylor (U.S.A.)
G. N. Vanderplaats (U.S.A.)
S. Valliappan (Australia)
W. Wunderlich (Germany)
O. C. Zienkiewicz (U.K.)

The Conference organisers take pleasure in inviting those interested in the field of numerical methods to participate in NUMETA 85.

Further information from:
John Middleton
Dept. of Civil Engineering
University College of Swansea
Singleton Park
SWANSEA SA2 8PP
U.K.

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 sumbitted 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 validification 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 by submitted immediately, or at the latest by 1 November 1984, to

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