

ANNOUNCEMENTS

Colour illustrations in IJNMF

Commencing in 1989 this journal will publish a limited number of colour illustrations to accompany papers where appropriate.

These illustrations will be printed as a plate section within the paper in which they appear.

Authors wishing to submit colour illustrations should refer to item 13 of the Notes to Contributors in this issue.

This new development will, we hope, enhance the presentation of the papers in question and add to the overall quality of the Journal.

 **WILEY**

6TH INTERNATIONAL CONFERENCE ON NUMERICAL METHODS IN LAMINAR AND TURBULENT FLOW

SWANSEA, U.K. 11-15 JULY, 1989

Objectives The conference is the sixth in the continuing series of conferences on 'Numerical Methods in Laminar and Turbulent Flow'. The most recent, held at Montreal in 1987, generated considerable interest. The resulting proceedings, published and distributed internationally by Pineridge Press, has been cited widely and consti-

tutes a major source of up-to-date research in the rapidly expanding area of C.F.D.

The conference will provide a forum for the presentation and discussion of recent developments in the application of numerical methods to solve fluid flow problems. The broad spectrum of research topics under the subject heading 'Laminar

and Turbulent Flow' will, tentatively be integrated into the following main subject areas:

- Solution algorithms, parallel processing and application of transputers in C.F.D.
- Turbulence models
- Flow with separation—laminar and turbulent
- Convergence techniques, error estimates
- Vortex dominated flows
- Aerodynamics—low, transonic and supersonic
- Non-Newtonian and electromagnetic flows
- Natural and forced convection
- Turbomachinery
- Meteorology
- Surface flow and wave propagation
- Grid generation
- Incompressible and compressible flow, combustion processes
- Interactive problems and multiphase flow

as well as those introducing new computational power associated with parallel processing and transputers.

Call for papers Abstracts of approximately 300 words offering papers in the above or related fields are invited *immediately* or at the latest by *15 January 1989*. Notification of acceptance will be forwarded within one month of receipt of the abstract and at the latest by *15 February 1989*, at which stage the recommended format for the preparation of manuscripts and associated material will be sent to the prospective authors. Since the conference proceedings will be presented to the delegates at the conference, the completed manuscripts will be required by *1 April 1989*.

To ensure that the presentations and proceedings are of maximum benefit to the greatest possible number of participants, authors are urged to stress the general as well as the detailed aspects of their work. In particular, the papers should outline the approaches used and the major observations which have led to the current views held by the authors. With this approach, the conference proceedings should provide an overview of recent and projected studies being pursued in various centres active in the above areas. The detailed timing and scheduling of presentations will be arranged to maximize the time available to allow in-depth consideration of specific themes. Several solicited papers by renowned scientists will also be presented to review current progress in C.F.D. In this way, the conference aims to cater for a 'state-of-the-art' coverage, leading to identification of the principal avenues along which future activities should be directed.

It is expected that most submitted papers will report on recently developed computational techniques, in particular Finite Differences and Finite Element Methods. However, papers dealing with the comparison of standard numerical models with experimental data are also welcome. Papers on industrial application are, as in the previous conferences, strongly encouraged.

Abstracts Please submit 300 word abstracts immediately or at the latest by 15 January 1989 to:

Professor C. Taylor
Department of Civil Engineering
University College of Swansea
Singleton Park
Swansea SA2 8PP
United Kingdom

6TH INTERNATIONAL CONFERENCE ON NUMERICAL METHODS FOR THERMAL PROBLEMS

SWANSEA, U.K. 3-7 JULY, 1989

Objectives The conference is the sixth in the continuing series of conferences on 'Numerical Methods for Thermal Problems'. The most recent, held at Montreal in 1987, generated considerable interest. The resulting proceedings, published and distributed internationally by Pineridge Press, has been cited widely and constitutes a major source of up-to-date research in the rapidly expanding area of computational heat transfer.

The conference will provide a forum for the presentation and discussion of recent developments in the application of numerical methods to solve thermal problems. The broad spectrum of research topics under the subject heading 'Thermal Problems' will, tentatively, be integrated into the following main subject areas:

- Computational algorithms and parallel computation

- Computational aspects of heat transfer in composites and ceramics
- Thermal/structures, interactions, modelling/analysis
- Interdisciplinary research developments
- CAD/FEM interface for thermal problems
- Adaptive/hierarchical techniques in heat transfer
- Software developments
- Microcomputer implementation and computational aspects

The Organizing Committee will welcome the submission of papers describing recent work within this general area.

Call for papers Abstracts of approximately 300 words offering papers in the above or related fields are invited *immediately* or at the latest by *15 January 1989*. Notification of acceptance will be forwarded within one month of receipt of the abstract and at the latest by *15 February 1989*, at which stage the recommended format for the preparation of manuscripts and associated material will be sent to the prospective authors. Since the conference proceedings will be presented to the delegates at the conference, the completed manuscripts will be required by *1 April 1989*.

To ensure that the presentations and proceedings are of maximum benefit to the greatest possible number of participants, authors are urged to stress the general as well as the detailed aspects of their work. In particular, the papers should outline

the approaches used and the major observations which have led to the current views held by the authors. With this approach, the conference proceedings should provide an overview of recent and projected studies being pursued in various centres active in the above areas. The detailed timing and scheduling of presentations will be arranged to maximize the time available to allow in-depth consideration of specific themes. Several solicited papers by renowned scientists will also be presented to review current progress in computational heat transfer. In this way, the conference aims to cater for a 'state-of-the-art' coverage, leading to identification of the principal avenues along which future activities should be directed.

It is expected that most submitted papers will report on recently developed computational techniques, in particular Finite Differences and Finite Element Methods. However, papers dealing with the comparison of standard numerical models with experimental data are also welcome. Papers on industrial application are, as in the previous conferences, strongly encouraged.

Abstracts Please submit 300 word abstracts immediately or at the latest by 15 January, 1989 to:

Professor R.W. Lewis
Institute of Numerical Methods in Engineering
University College of Swansea
Singleton Park
Swansea SA2 8PP,
United Kingdom.

NUMIFORM '89

The Third International Conference on
**Numerical Methods in
Industrial Forming Processes**
26-30 June, 1989
Colorado State University
Fort Collins, Colorado
USA

Organizing Committee

E. G. Thompson
Colorado State University
Fort Collins, USA

O. C. Zienkiewicz and R. D. Wood
University College of Swansea
Swansea, U.K.

A. Samuelsson
Chalmers University of Technology
Gothenburg, SWEDEN

Advisory Panel/Keynote Speakers

J. L. Chenot	Sophia Antipolis, FRANCE
M. J. Crochet	Louvain-la-Neuve, BELGIUM
I. St. Doltsinis	Stuttgart, GERMANY
H. D. Hibbitt	Providence, USA
N. Rebelo	Palo Alto, USA
O. Richmond	Alcoa Center, USA
E. Onate	Barcelona, SPAIN
S. F. Shen	Ithaca, USA
R. I. Tanner	Sydney, AUSTRALIA
N. M. Wang	Detroit, USA

Objective

Following the objectives of the first NUMIFORM conference held in Swansea in 1982 and the second conference held in Gothenburg in 1986, the objective of NUMIFORM '89 is to establish the state of the art of numerical methods applied to process modeling, both with respect to research and practice. The Conference will be broadly based, encompassing university and industrial representatives in the areas of forming processes of such materials as metals, polymers, glass, and food products. The Proceedings will be published prior to the Conference.

Topics

The theme of the Conference is numerical methods related to industrial forming processes. Papers will include:

<ul style="list-style-type: none"> ● Numerical Methods for ● Viscoplastic Flows ● Viscoelastic Flows ● Non-Newtonian Fluids ● Coupled Heat Transfer ● Time-Dependent and Steady-State Problems ● Large Deformations ● Free Surface Flow ● Deformation-Dependent Boundary Conditions ● CAD/CAM Operations ● Expert Systems 	<ul style="list-style-type: none"> ● With Applications to ● Extrusion ● Drawing ● Rolling ● Forging ● Casting ● Sheet Forming ● Injection Molding ● Calendering ● Coating ● Spinning ● Embossing ● Superplastic Forming 	<ul style="list-style-type: none"> ● In the Areas of ● Metals ● Polymers ● Glass ● Food Products ● Composites ● Powders
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Call for Papers

Abstracts are invited on topics that deal with numerical methods in industrial forming processes. Abstracts should be approximately 500 words in length and should be submitted before 1 SEPTEMBER 1988. Final manuscripts will be requested in camera-ready form (instructions and special format paper supplied by the Proceedings publisher) and must be received by 24 February 1989 to appear in the Conference Proceedings.

Important Dates

Receipt of abstract **1 September 1988**

Notification to
submit manuscript **1 November 1988**

Receipt of
final manuscript **24 February 1989**

Conference Fees

The registration fees, inclusive of reception, luncheons, banquet, and Conference Proceedings, are:

	Before May 1, 1989	After May 1, 1989
Authors/Delegates	\$325	\$375
Students	\$250	\$260

Correspondence

For technical questions regarding the Conference, please contact either:

Professor Erik Thompson
Department of Civil Engineering
Colorado State University
Fort Collins, CO 80523, USA
(303-491-6060)

Dr. Richard Wood
Civil Engineering Department
University College of Swansea
Singleton Park, Swansea
Wales SA2 8PP, United Kingdom
(792-295518)

Abstracts and inquiries regarding the Conference should be addressed to:

Janet Lee Montera
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Department of Civil Engineering
Colorado State University
Fort Collins, CO 80523 USA
(303-491-7425)
Telex: 910-930-9000 ENGR CSU FTCN