

## ANNOUNCEMENTS

### Fifth International Conference on NUMERICAL METHODS IN THERMAL PROBLEMS Montreal, Quebec, Canada, 29 June-3 July 1987

#### ORGANIZING COMMITTEE

J. H. CHIN, Lockheed Missiles and Space Co.,  
Sunnyvale, U.S.A.

L. GOODRICH, National Research Council,  
Ottawa, Canada

W. G. HABASHI, Concordia University and Pratt  
& Whitney Canada, Montreal, Canada

L. IMRE, Technical University, Budapest,  
Hungary

S. KOTAKE, University of Tokyo, Japan

R. W. LEWIS, University of Wales, Swansea, U.K.

K. MORGAN, University of Wales, Swansea, U.K.

B. A. SCHREFLER, University of Padova, Italy

#### OBJECTIVES

This conference will be the fifth in the series entitled 'Numerical Methods for Thermal Problems'. The continuing objective of this series 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.

The organizing committee will 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 industrial applications are also strongly encouraged as in the previous conferences.

#### CALL FOR PAPERS

Abstracts of approximately 300 words offering papers in the above or related fields are invited *immediately* or at the latest by *1 November 1986*. Notification of acceptance will be forwarded within one month of receipt of the abstract and at the latest by *1 December 1986*, 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 1987*.

#### ABSTRACTS

The 300 word abstracts should be sent to:

PROFESSOR R. W. LEWIS  
Department of Civil Engineering  
University College of Swansea  
Singleton Park  
SWANSEA SA2 8PP  
U.K.

### Fifth International Conference on NUMERICAL METHODS IN LAMINAR AND TURBULENT FLOW Montreal, Quebec, Canada, 6-10 July 1987

#### Organizing Committee

C. TAYLOR, University of Swansea, Swansea, U.K.

W. G. HABASHI, Concordia University, and Pratt  
& Whitney Canada, Montreal, Canada

M. M. HAFEZ, University of California, Davis,  
U.S.A.

B. A. LAUNDER, U.M.I.S.T., Manchester, U.K.

#### Objectives

The conference is the fifth in the continuing series on 'Numerical Methods in Laminar and Turbulent Flow'. The most recent, held in Swansea, U.K. in 1985, generated considerable interest and the resulting proceedings, containing over 180 papers, have been distributed internationally by Pineridge

Press. Indeed, since the proceedings are available at the conference, it is a valuable up-to-date research reference.

The continuing objective of this conference series 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 fluid flow problems. The broad spectrum of research topics under the subject heading 'Laminar and Turbulent Flow' will be tentatively integrated within the following main subject areas:

#### THEORY

Turbulence Models  
Bifurcation Problems in Fluids  
Separation, Laminar and Turbulent

#### METHODS

Navier-Stokes Algorithms  
Vortex Dominated Flows  
Viscous-Inviscid Interaction  
Grid Generation  
Convergence Acceleration Techniques  
Error Estimates

#### APPLICATIONS

Low Speed Aerodynamics  
Hyper Sonic Aerodynamics  
Non-Newtonian Flows  
Forced Convection  
Turbomachinery  
Meteorology  
Industrial Applications

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.

#### Call for Papers

Abstracts of approximately 300 words offering papers in the above or related fields are invited *immediately* or at the latest by *1 November 1986*. Notification of acceptance will be forwarded within one month of receipt of the abstract and at the latest by *1 December 1986*, 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 1987*.

#### Abstracts

The 300 word abstract should be sent to:  
DR. C. TAYLOR  
Department of Civil Engineering  
University College of Swansea  
Singleton Park  
SWANSEA, SA2 8PP  
U.K.

## First International Conference on TRAINING ON COMPUTER-AIDED DESIGN (CAD) IN ENGINEERING SCHOOLS

Tbilisi, U.S.S.R., 16-20 November 1987

UNESCO, in collaboration with the Georgian Polytechnic Institute will organize the First International Conference on Training on Computer-aided Design (CAD) in Engineering Schools.

The main subject of the conference is the training of future engineers on computer sciences and their applications in engineering.

*The objectives of the conference are:*

- to analyse the experience of engineering schools in the teaching of CAD.
- to discuss the methodological and didactical problems of the training of CAD.

— to contribute to the promotion and reinforcement of the co-operation among engineering schools in this field.

*The themes of discussions will be:*

- Development of CAD: achievements, problems, tendencies...
- The role of engineers in CAD: computer as a tool in engineering activities...
- Methodological problems in the training on CAD: curricula, training programmes, computer graphics in teaching, practical training, links with industry, continuing education in CAD...

—Co-operation among engineering schools in the training on CAD: problems, possibilities...

*Working languages* will be English and Russian, with simultaneous translation.

The participants of the conference will be teachers and managers of engineering schools from different countries, interested in the teaching of the Computer-aided Design (CAD).

An exhibition of teaching materials (equipments, devices, audio-visual materials, manuals, journals, books, learning packages, educational software etc.) used in the teaching process in engineering schools will be organized during the conference.

If you are interested in participating at the conference and in presenting your equipment and teaching materials at the exhibition, please contact:

Division of Technological Research and Higher Education

7, Place Fontenoy

75700 Paris

France

Telex: 270602

Telephone: (45.68.39.33)

More detailed information on conditions of participation at the exhibition are available upon request.

## Seventh GAMM Conference on NUMERICAL METHODS IN FLUID MECHANICS

Université Catholique de Louvain, Belgium. 9–11 September 1987.

The GAMM Committee for Numerical Methods in Fluid Mechanics announces its seventh conference organized in co-operation with the Université Catholique de Louvain.

The conference, which will be held at the 'Faculté des Sciences Appliquées, Université Catholique de Louvain', will be concerned with the theory and application of numerical methods in fluid mechanics. Emphasis will be on the development of novelties in methods.

Deadline for abstracts (one page, two pages at

maximum) is March 15, 1987. The proceedings of the conference will be published by Vieweg Verlag in the series *Notes on Numerical Fluid Mechanics*.

Further information and registration forms can be obtained from the chairman of the Conference:

**Professor M. Deville**

Unité de Mécanique Appliquée

2, Place du Levant

1348 LOUVAIN-LA-NEUVE, BELGIUM.

Tel. 32-10-432350.