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ANNOUNCEMENTS

NASECODE V CONFERENCE

The Fifth International Conference on the NUMERICAL ANALYSIS OF SEMICONDUCTOR DEVICES AND INTEGRATED CIRCUITS, 17–19 June 1987 and the related NASECODE V SHORT COURSE

THE INTERFACES AND INTEGRATION OF PROCESS, DEVICE AND CIRCUIT MODELS—AN INTRODUCTION 15–16 June 1987

Both events will be held in Trinity College, Dublin

This conference is co-sponsored by the Commission of the European Communities, Electron Devices Society of the IEEE of the USA, Committee of the Technical Group on Semiconductors and Semiconductor Devices of the IECE of Japan and the Irish Mathematical Society.

Call for papers

Abstracts of 20 minute contributed papers on topics relevant to the conference should be submitted to the NASECODE Secretariat by 15 February 1987. Notification of acceptance and an author's kit will be mailed from Dublin by 15 March. Abstracts should be at most one A4 page in length. All accepted papers will be published in the proceedings of the conference which will appear approximately two months after the conference.

Further information

NASECODE V, Conference Management Services
P.O. Box 5, 51 Sandycove Road, Dun Laoghaire
Co Dublin, Ireland.
Tel: +353-1-808025
Telex: 265871 (ATTN EIM 194) MONREF G or 30547 (Ref. BOOLE) SHCN EI
Electronic Mail: Eirmail (Dialcom) 74: EIM194
Telegrams: BOOLEPRESS DUBLIN

CALL FOR PAPERS

International Symposium on Natural Circulation New York, U.S.A., 15–20 November 1987

The Multiphase Flow Committee of the Fluids Engineering Division and the Nucleonics Heat Transfer Committee (K-13) of the Heat Transfer Division of the American Society of Mechanical Engineers are co-sponsoring an international symposium on natural circulation during the ASME Winter Annual Meeting of 1987.

Purpose

Natural circulation finds many industrial applications: it plays an important role in solar heaters, decay heat removal in nuclear reactors, geothermal and other energy systems, as well as in high-technology systems such as electronic equipment. The purpose of the symposium is to provide an opportunity for engineers and scientists to meet in common technical sessions to present state of the art and exchange ideas in this important area.

Scope

Papers dealing with analytical, computational, experimental, and design-related works on all

aspects of natural circulation flow phenomena will be considered. Some of the subject areas of interest are as follows:

—single- and two-phase natural circulation in loop
—thermo-syphon applications (heat pipes, solar water heaters, electronic equipment cooling, geothermal systems, etc.)
—buoyancy-driven recirculation within a pool or enclosure
—natural convection flow in parallel channels
—interaction of natural circulation and forced flow
—buoyancy-induced oscillation and instabilities in closed-loop flows
—innovative thermo-fluid systems utilizing natural circulation
—other areas clearly relevant to natural circulation

Selection of Papers

Papers for presentation at the symposium will first be screened based on submitted abstracts of between 500 and 1000 words, typed double-spaced, including supporting figures and tables if necessary. The abstract should state clearly the objective, results, and conclusions. The final acceptance of the paper will be based upon review of the complete manuscript. The accepted papers will be published in a single volume which will be available at the symposium. After the symposium, the authors will be free to submit their papers in a journal if they wish.

Deadlines

15 December 1986; *three (3) copies of abstracts due*
10 January 1987; *notify abstract acceptance*
1 March 1987; *full-length papers due*
1 May 1987; *notify paper acceptance*
10 June 1987; *author-prepared mats due*

Organizers

Dr. J. H. Kim
Electric Power Research Institute
P.O. Box 10412
Palo Alto, CA 94303 U.S.A.
Telephone: (415) 855-2671

Prof. Y. A. Hassan
Dept. of Nuclear Engineering
Texas A & M University
College Station, TX 77843-3133 U.S.A.
Telephone: (409) 845-4161

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 pro-

ceedings 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-Newtoniam 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:
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