

ANNOUNCEMENTS

9th INTERNATIONAL CONFERENCE ON NUMERICAL METHODS IN LAMINAR AND TURBULENT FLOW

10th-14th July 1995, Atlanta, Georgia, USA

Hosted by The George W. Woodruff School of Mechanical Engineering
Georgia Institute of Technology, Atlanta, Georgia, USA

OBJECTIVES

Coincident with the marketing and availability of extremely powerful workstations and accessibility of parallel computational facilities, the increase in research, algorithm development and applications in Computational Fluid Dynamics (C.F.D.) has been quite dramatic. It is, therefore, imperative that the dissemination of information relating to such research and associated C.A.D. and C.A.E. reflects the same degree of urgency in reporting state-of-the-art technology. It is the intention of the organizers that such current technology will be reported at the conference by providing a forum for the presentation of innovative research and industrial applications of C.F.D. The conference is intended to encompass, but not exclusive to, the following subjects:

Turbulence Models
Separation, Circulation
Vortex Dominated Flows
Navier-Stokes Solution Algorithm
Coupled Solid/Fluid Interaction
Forced Convection - Fluid and Fluid/Solid Interaction
Grid Generation
Acceleration Techniques
Free Surface Flows
Treatment for Near Wall Zones - Transfer of Shear and Heat
Aerodynamics - Low-Speed and Hypersonic
Non-Newtonian Flow

External Flows

Turbomachinery
Offshore and River Hydrodynamics
Meteorology

CALL FOR PAPERS

Abstracts of approximately 500 words proposing papers in the above or related fields of study are invited **immediately** or at the latest by **21st December, 1994**. Notification of acceptance will be forwarded within one month of the above date. As during previous meetings, the proceedings will be available at the time of the conference and, therefore, will be a state-of-the-art publication. To meet the requirement, authors must return completed manuscripts by **1st April 1995**.

ABSTRACTS

The 500 word abstract should be sent to:

Professor C. Taylor
Department of Civil Engineering
University of Wales, Swansea
Singleton Park
Swansea SA2 8PP, UK
Telephone: (44) 0792 295256
Fax: (44) 0792 295705
E-Mail: R.W.Lewis@Swansea.ac.uk

Extended versions of meritorious papers will be considered for publication in the international journals - 'Numerical Methods in Fluids' and 'Numerical Methods for Heat and Fluid Flow'.

9th INTERNATIONAL CONFERENCE ON NUMERICAL METHODS FOR THERMAL PROBLEMS

17th–21st July 1995, Atlanta, Georgia, USA

Hosted by The George Woodruff School of Mechanical Engineering
Georgia Institute of Technology, Atlanta, Georgia, USA

OBJECTIVES

This conference will be the ninth in the series entitled 'Numerical Methods for Thermal Problems'. The continuing objective 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. Some key areas include:

Conduction, Natural and/or Forced Convection and Radiation Heat Transfer
Fire and/or Combustion Modelling
Phase Change Problems
Solidification and Material Modelling in Casting, Welding, Forging and other Physical Processes
Thermal/Structure Interactions
Computational Algorithms
Adaptive, Remeshing Techniques in Heat Transfer
Innovations in Pre/Post Processing for Thermal Problems
Computational Aspects of Heat Transfer in Composites, Ceramics, Fibres, Plastics and Food Products

CALL FOR PAPERS

Abstracts of approximately 500 words proposing papers in the above or related fields of study are invited **immediately** or at the latest by **21st December, 1994**. Notification of acceptance will be forwarded within one month of the above date. Coincident with the notification authors will be advised on the recommended format for the preparation of manuscripts and relevant material will be forwarded to the author(s). As during previous meetings, the proceedings will be available at the time of the conference and, therefore, will be a state-of-the-art publication. To meet the requirement, authors must return completed manuscripts by **1st April 1995**.

ABSTRACTS

The 500 word abstracts should be sent to:

Professor R. W. Lewis
Institute of Numerical Methods in Engineering
University of Wales, Swansea
Swansea SA2 8PP, UK
Telephone: (44) 0792 295253
Fax: (44) 0792 295705
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CALL FOR PAPERS

TENTH SYMPOSIUM ON TURBULENT SHEAR FLOWS

The Pennsylvania State University, University Park, PA, U.S.A., 14–16 August 1995

The Tenth Symposium on Turbulent Shear Flows aims to advance understanding of the physics of turbulent motion and capabilities for predicting momentum, heat and mass transport processes in turbulent shear flows.

Approximately 30 technical sessions are planned. Contributed papers are invited on original work in the following general areas:

Fundamentals:

Measurements, theories and concepts that illuminate the nature of turbulence.

Turbulence Models:

Developments in single and two-point closures; large-eddy and other numerical simulations.

Experimental Techniques:

Improved experimental methods for single and multi-phase turbulent flows.

Computation Techniques:

Advances in computation methods for single and multi-phase turbulent flows.

Heat and Mass Transfer:

Developments in scalar modeling; related measurements and calculations.

Chemical Reaction:

Developments in modelling of turbulent flames and other reacting flows; related experiments and calculations.

Applications:

Contributions to applied turbulent flows; including those concerned with internal and external aerodynamics, climate control in buildings, automobiles, electronic-packaging, gas turbines and internal combustion engines, chemical and metallurgical processes, nuclear and wind engineering, geophysical and stratified flows, meteorology and the environment.

ABSTRACTS

Paper selection will be based upon a review of extended abstracts of approximately 1000 words which should be double-spaced and state clearly the purpose, results and conclusions of the work with supporting figures as appropriate. Five copies of the abstract should be mailed (ABSTRACTS SENT BY FAX WILL NOT BE

ACCEPTED) to:

Professor F. W. Schmidt
Secretary, Turbulent Shear Flows
Department of Mechanical Engineering
The Pennsylvania State University
University Park, PA 16802, U.S.A.
814-865-2072; FAX 814-863-4848

Deadlines

Final date for receipt of abstracts:

15 November 1994.

Authors informed concerning acceptance:

15 March 1995.

Final date for receipt of camera-ready

manuscript: 15 May 1995.

10th SYMPOSIUM PAPERS COMMITTEE:

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