

## 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  
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'.

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## 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 SA2 8PP, UK  
Telephone: (44) 0792 295253  
Fax: (44) 0792 295705  
E-Mail: R.W.Lewis@Swansea.ac.uk

## PARALLEL CFD 1995

### Implementations and Results using Parallel Computers

26–28 June 1995, California Institute of Technology, Pasadena, California, U.S.A.

#### OBJECTIVE

To encourage innovation in high-performance parallel computing and its application to computational fluid dynamics. The subject areas are:

novel parallel algorithms, parallel Euler and Navier–Stokes solvers, parallel Direct Simulation Monte Carlo (DSMC) methods, parallel multigrid techniques, parallel flow visualization and grid generation, parallel adaptive and irregular solvers.

Applications of interest include (but are not limited to) reacting flows, rarefied gas flows, multiphase flows, and turbulence; vehicle design, hypersonic reentry problems, and aerodynamic flows; climate modelling; challenges such as moving boundaries, interfaces, free surfaces, and fluid–structure interactions; parallel computing in aeronautics, astronautics, mechanical engineering, environmental engineering.

**CHAIRMAN:** Stephen Taylor, California Institute of Technology

#### ORGANIZING COMMITTEE

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