

ANNOUNCEMENT

Sixth 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, Swansea, has been cited widely and constitutes 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, 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:

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