ANNOUNCEMENTS

A Special Issue on Parallel, Vector and Super Computing of Fluid Flows

Following many enquiries about papers on the subject of advanced numerical methods in fluids, the *International Journal for Numerical Methods in Fluids* will organize special issues on the Parallel (and/or), Vector (and/or) and Super Computing (abbreviated as PVSC) in fluid dynamics. Papers from all areas and disciplines of computational fluid dynamics will be considered. Submitted papers will include topics from broad area of PVSC, for example:

● analysis of PVSC schemes.
● applications of schemes on PVSC machines.
● adapting and/or tailoring known schemes and techniques.
● performance evaluation of numerical fluid

dynamics codes, schemes and techniques on a specific PVSC engine.
● software tools for PVSC machines.
● PVSC algorithms and techniques.
● large scale numerical fluid dynamics.

State of the art articles and review papers are encouraged. It is expected that more than one issue of the journal will be devoted to this important subject.

Papers for consideration and other enquiries should be sent to:

Dr. Avi Lin
Department of Mathematics
Temple University
Philadelphia, PA 19122
U.S.A.

Seventh Symposium on Turbulent Shear Flows
Stanford University, 21–23 August, 1989

Call for Papers

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

Approximately 20 technical sessions are planned. Contributed papers are invited on original work in the following general areas:

Fundamentals: New measurements, theories and concepts that illuminate the nature of the turbulence.

Turbulence Models: New developments in single- and two-point closures; large-eddy and other numerical simulations; novel experiments and new findings.

Experimental and Calculation Techniques: New and improved experimental and calculational methods for turbulent flow.

Heat and Mass Transfer: New developments in scalar modelling; related measurements and calculations.

Combustion: New developments in modelling of turbulent flames and their application; experiments and calculations of combusting flows.

Applications: Contributions to applied turbulent flows including those concerned with internal and external aerodynamics; geophysical flows and engineering processes.

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 submitted to:

Professor F. W. Schmidt,
Secretary, Turbulent Shear Flows
Department of Mechanical Engineering
The Pennsylvania State University
University Park, PA 16802, USA

The final date for receipt of abstracts is 31 October, 1988 and authors will be informed concerning acceptance by 15 March, 1989. Final date for receipt of camera-ready manuscripts is 31 May, 1989.

Four subjects have been chosen for special attention and authors who would like to have their abstract considered for one of these sessions should indicate the session in their covering letter. These special sessions are:

Combustion–turbulence Interactions,
New Techniques in Numerical Simulation;
Oceanography,
Turbulence Control.