

ANNOUNCEMENTS

MAFELAP 1984

Conference on

THE MATHEMATICS OF FINITE ELEMENTS AND APPLICATIONS

Brunel University, 1-4 May 1984

Following the four previous Brunel conferences on The Mathematics of Finite Elements and Applications, a fifth residential conference with the same title will be run at Brunel University at the beginning of May 1984. The aim will be to bring together again workers from different disciplines whose common interest is finite element methods. The programme will consist of invited lectures, contributed papers and poster sessions.

Topics

The Mathematical Theory of Finite Elements
Engineering and Scientific Applications of Finite Elements
Computational Techniques for the Implementation of Finite Element Methods
Boundary Element Methods and Their Application
The Finite Element/Computer Aided Geometric Design Interface.

Call for papers

A limited number of contributed papers and papers for poster sessions will be accepted for the conference. Persons wishing to read a contributed paper or to have a paper in a poster session should submit abstracts of not more than two pages in length by the 31 October 1983, indicating the mode of presentation that they would prefer.

Details

Persons wishing further details or submitting abstracts should write to:

The Secretary
The Institute of Computational Mathematics
Brunel University
Uxbridge, Middlesex, UB8 3PH,
United Kingdom.

NINTH INTERNATIONAL CONFERENCE ON NUMERICAL METHODS IN FLUID DYNAMICS 25-29 June 1984—CEN SACLAY, FRANCE

Objectives

Initiated in 1969, the International Conferences on Numerical Methods in Fluid Dynamics (ICNMF) are being held every other year. The ninth Conference will be held at the Nuclear Research Center of SACLAY, located 20 km south of PARIS (FRANCE), from 25 June to 29 June 1984. The objective is to deal with recent advances in numerical methods applied to problems in fluid dynamics and solutions of new fluid flow problems established by numerical modelling. As an indication, here is a non-exhaustive list of fields which might be covered by the

Conference: solution of the NAVIER-STOKES or EULER equations, numerical techniques (free Lagrangian, adaptative meshes, multifluid method in Eulerian Co-ordinates, etc...) in fluid dynamics, accuracy of numerical solutions, gas dynamics, transonic flows, transitional and turbulent flows, internal flows, rotating flows, boundary layers, combustion processes (possibly extended to detonation and deflagration phenomena), etc... It is expected that the Conference will continue to bring together scientists and engineers from a diverse spectrum of disciplines whose common interest is the Fluid

Dynamics approached by numerical methods. The programme will consist of invited lectures and contributed papers.

Call for papers

About 100 contributed papers will be accepted for both oral and poster presentation as appropriate, and all accepted papers will be published in the Proceedings subject to the same length restriction. Persons wishing to present a contributed paper should submit a 1000 word

abstract before 15 December 1983, indicating the mode of presentation that they would prefer.

Requests for further information should be addressed to:

Martine MOITIE, 9th ICNMF D Conferences
Secretary
CISI, BP. 24
91190 GIF SUR YVETTE
FRANCE

THE 19TH MIDWESTERN MECHANICS CONFERENCE

Ohio State University, 9–11 September 1985

The 19th MMC will be held at Columbus, Ohio from 9–11 September 1985. The conference will be hosted by the Department of Engineering Mechanics, College of Engineering, Ohio State University.

Midwestern Mechanics Conferences have been held once every two years since 1950. The second one was held on the OSU campus in 1951. The technical programme will consist of keynote and invited lecturers as well as contributed papers from all areas of mechanics. There is no restriction on geographic location of authors. Editorial and other information will follow in a second announcement.

Enquiries should be addressed to either of the conference co-chairmen, Professors **S. H. Ad-**

vani or **A. W. Leissa**, at the following address:

Department of Engineering Mechanics
Ohio State University
Columbus, Ohio 43210
USA.

Their telephone numbers are (614) 422-2731 and (614) 422-2680, respectively.

(For convenience in planning ahead, it is of interest to note that the ASME Conference on Mechanical Vibration and Noise will be held in Cincinnati, Ohio, 11–13 September 1985. Cincinnati is approximately 100 miles to the southwest of Columbus.)