

## ANNOUNCEMENTS

### An International Conference on FINITE ELEMENT METHODS 2-6 August 1982 (Third Announcement) Jinjiang Hotel, Shanghai, China

#### *Co-Chairmen*

Professor Y. K. Cheung  
Dept. of Civil Engineering  
University of Hong Kong  
Hong Kong

Dr. He Guangqian,  
The Architectural Society of China  
Baiwanzhuang, West District  
Beijing, China

#### *Topics covered*

Theoretical Developments  
Solid Mechanics  
Probabilistic Methods  
Geomechanics  
Fluid Flow

Field Problems  
Non-linear Problems  
Special Elements  
Computer Packages  
Practical Applications  
Semi-analytical Methods  
Fluid-Structure Interaction  
Soil-Structure Interaction  
Optimization Techniques  
Boundary Elements  
Computational Techniques  
Structural Dynamics and Stability

#### *Registration*

Fee: US\$300

Contact: Dr. Y. T. Leung,  
Department of Civil Engineering,  
University of Hong Kong.

## POLYMODEL 5

### PROCESS MODELLING

to be held at Teesside Polytechnic  
on 26-27 May 1982

It is proposed to hold sessions in the following main areas but contributions in other areas of modelling of industrial processes will be welcome and if necessary further sessions arranged:

IRON AND STEELMAKING

FOOD PROCESSING

PETROCHEMICALS

OIL EXPLORATION AND RECOVERY

A keynote lecture will be given by a distinguished

authority on mathematical modelling of industrial processes.

Further details may be obtained from:  
Dr. P. C. Hudson,  
Dept. of Mathematics and Statistics,  
Teesside Polytechnic,  
Middlesbrough,  
Cleveland, TS1 3BA.  
Telephone (0642) 218121.

## INTERNATIONAL CONFERENCE ON NUMERICAL METHODS IN INDUSTRIAL FORMING PROCESSES

University College, Swansea, U.K. 12–16 July 1982

Organizing Committee: O. C. Zienkiewicz, J. M. Alexander, R. D. Wood, J. F. T. Pittman.

Advisory panel/keynote speakers: M. J. Crochet, R. T. Fenner, S. Kobayashi, E. H. Lee, G. Menges, J. C. Nagtegaal, A. Samuelson, E. G. Thompson, R. I. Tanner, N-M. Wang.

*Objectives:* To establish the state of the art, with respect to research and practice, for numerical methods in forming processes. The conference will be broadly based encompassing such topics as bulk metal and polymer forming, metal casting and sheet metal forming.

*Topics:* Seventy-five papers (approx.) will be presented from leading groups in both universities and industry representing work done in the U.S.A., Europe, India, Japan and the U.K.

Topics include large deformation elastoplasticity, viscoplastic flow and coupled heat transfer, phase change problems, plastic instability and necking, finite element, finite difference and other numerical techniques, constitutive modelling and polymer flow studies. These numerical methods are applied to a variety of forming processes such as extrusion, drawing, rolling, forging, casting, deep drawing, strip drawing and melt spinning.

A number of papers specifically discuss and compare various techniques.

*Location:* The Conference will take place on the campus of University College, Swansea. Accommodation will be available for participants in Halls of Residence on campus. The campus is very attractively situated, being surrounded on three sides by extensive parkland, and on the fourth by Swansea Bay. Just to the West of Swansea is the famous Gower peninsula, which is designated an area of outstanding natural beauty.

*Fees:* The fee for the conference, which includes proceedings and banquet, is £135 (or £90 for students) and the accommodation fee is £73.

For further details contact:

Dr. R. D. Wood,  
Department of Civil Engineering,  
University College of Swansea,  
SWANSEA, SA2 8PP, U.K.