

## ANNOUNCEMENTS

### CONFERENCE ON PRESSURE VESSELS—ANALYSIS FOR DESIGN

Manchester, England, 22 April 1982

A Conference on "Pressure Vessels—Analysis for Design" will be held at the University of Manchester Institute of Science and Technology (UMIST) on 22 April 1982. It is being arranged in honour of Prof. S. S. Gill on the occasion of his retirement from UMIST where he has successively occupied Chairs of Structural Engineering (1967-75) and Mechanical Engineering (1975-81). The theme of the Conference will be the interrelation between structural analysis and design for pressure vessels, in which field Prof. Gill has made important and influential contributions. The Organizing Committee is sure that the Conference will be much welcomed by professional engineers and structural analysts as an opportunity for registering their personal appreciation of Prof. Gill, the man and his work. The Conference papers will be presented by well-known international authorities, as follows:

- F. M. Burdekin (UMIST)—Fracture Mechanics
- C. R. Calladine (University of Cambridge)—Shell Theory
- I. W. Goodall (Central Electricity Generating Board, Berkeley)—High Temperature Design
- S. Kendrick (Admiralty Marine Technology Establishment, Dunfermline)—Buckling
- F. A. Leckie (University of Illinois, Urbana)—Creep Rupture
- A. Sawczuk (Polish Academy of Sciences, Warsaw)—Shell Theory

The Conference papers, and a biographical note on Prof. Gill with a list of his publications, will be published in the April 1982 issue of the *International Journal of Mechanical Sciences*, by arrangement with the Editor-in-Chief, Prof. W. Johnson.

The Organizing Committee are: H. G. Hopkins (UMIST), M. R. Horne (University of Manchester), W. Johnson (University of Cambridge), R. Kitching, C. M. Leech, M. Robinson (UMIST), P. Stanley (University of Manchester).

Further details and registration forms (to be returned by 1 March 1982) are available from:

Dr. R. KITCHING  
PV-AD Conference  
Department of Mechanical Engineering  
The University of Manchester Institute of Science and Technology  
P.O. Box 88  
Manchester M60 1QD  
England  
Telephone: 061 236-3311, Ext. 2785. Telex. 666094.

---

### INTERNATIONAL CONFERENCE ON NUMERICAL METHODS IN INDUSTRIAL FORMING PROCESSES

University College, Swansea, Wales, 12-16 July 1982

#### *Objectives*

To establish the state of the art, with respect to research and practice, for numerical methods in forming processes. It is intended that the conference be broadly based, encompassing such topics as metal and polymer forming, metal and glass casting and sheet metal forming.

*Topics*

Viscoplastic flow and coupled heat transfer, phase change problems, viscoelastic flow, free surface flow, time dependent and steady state problems, deformation dependent boundary conditions, large deformation elasto-plasticity, extrusion, drawing, rolling, forging, casting, sheet forming, injection moulding, blow moulding, wire coating, calendaring and spinning.

*Advisory panell/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.

*Call for papers*

Abstracts are invited on the above and related topics and should be approximately 300 words in length and submitted before 30th November 1981. Final papers are required by 26th February 1982.

For further details contact  
 Dr. R. D. Wood  
 Department of Civil Engineering  
 University College of Swansea  
 Swansea SA2, 8PP,  
 Wales

## PRESSURE VESSEL SAFETY AND RELIABILITY

Orlando, Florida, 27 June–2 July 1982

The Operations, Applications and Components Committee of the Pressure Vessel and Piping Division of the ASME is sponsoring a number of special sessions on "Pressure Vessel Safety and Reliability" during the Pressure Vessel and Piping Conference to be held during June 27–July 2, 1982 in Orlando, Florida. State-of-the-art surveys, research papers and application papers are solicited. Topics to be covered include, but not limited to,

- (1) Pressure vessel reliability analysis (probabilistic).
- (2) Pressure vessel failure analysis (deterministic ultimate load/fracture analyses).
- (3) Statistics of pressure vessel failures.
- (4) Case histories of pressure vessel failures (nuclear/fossil power plants, process plants, refineries, etc.).
- (5) Quality assurance and safety.
- (6) In-service inspection and safety.
- (7) Code criteria and safety.
- (8) Liability and responsibility to society.

In addition, papers on general structural reliability analysis, with potential applications in pressure vessel technology, are also welcome.

Papers accepted for presentation will be published in a special ASME publication titled "Pressure Vessel Safety and Reliability". Those papers of permanent interest will also be considered for publication in the ASME Transaction "*Journal of Pressure Vessel Technology*".

Full papers are due by 1 December 1981. But interested authors are encouraged to send their abstracts or contact Dr. Sundararajan as early as possible, in order to facilitate better planning of the special sessions.

All correspondence, abstracts and papers should be sent to:

Dr. C. Sundararajan  
 EDS Nuclear Inc.  
 220 Montgomery Street  
 San Francisco, CA 94104, U.S.A.  
 Telephone (415) 544-8000