

ANNOUNCEMENT

ICP/RILEM/IBK INTERNATIONAL SYMPOSIUM ON PLASTICS IN MATERIAL AND STRUCTURAL ENGINEERING

Prague, Czechoslovakia, 23-25 June 1981

The symposium will take place between 23 and 25 June 1981, in Prague (Czechoslovakia). Three separate sections will deal with the following topics:

- (1) Symbiosis of Architecture and Engineering in Structures of Plastics;
- (2) Material Engineering in Plastic-Based Materials;
- (3) Plastics and the Saving of Energy.

Purpose

The symposium seeks to investigate these areas of current research, development, technology and building in the effective usage of plastics in order to provide a forum for ideas and technology transfer between active contributors and users, between design and technology areas, between architects and engineers and between research and practice. For registration form and further information contact:

ICP/RILEM/IBK International Symposium 1981 Prague

Secretariat: c/o Institute of Theoretical and Applied Mechanics
Czechoslovak Academy of Sciences
Vyšehradská 49, Prague 2
128 49 Czechoslovakia.

INTERNATIONAL CONFERENCE ON NUMERICAL METHODS FOR COUPLED PROBLEMS

University College, Swansea, Wales
7-11 September 1981

OBJECTIVES

Numerical techniques are extensively applied in the solution of problems which involve coupling:

● Interacting Physical Systems

(examples: fluid-structure interaction, multi-phase flow, soil-structure interaction, contact between solids, soil liquefaction, electro-magnetic fields, thermo-mechanical coupling, biomechanics, elasto-hydrodynamic lubrication, magnetohydrodynamics, heat and mass transfer, phenomenological relations and moisture stress development.)

● **Discretisation/Solution Techniques**

(examples: implicit-explicit and staggered time stepping schemes, linking of finite elements to—boundary integrals, special singularity elements, and infinite elements, radiation boundary conditions)

The Conference will be concerned with the application of numerical methods to coupled fields problems and to the use of coupled numerical techniques, with the main aim of establishing the state-of-the-art of such methods. Analysis of industrial and technological applications will be especially welcomed. The Proceedings will be published later to commemorate the event.

INVITED KEY NOTE SPEAKERS INCLUDE:

J. H. Argyris, R. W. Clough, J. Douglas, R. H. Gallagher, T. J. R. Hughes, A. R. Mitchell, J. T. Oden, K. C. Park, I. M. Smith, R. L. Taylor, C. W. Trowbridge and G. B. Warburton.

CALL FOR PAPERS

Abstracts are invited on the topics outlined above. Other papers of merit in related topics will also be considered for inclusion. The abstracts should be approximately 300 words in length and submitted before 31 January 1981. Final papers should be submitted by 30 April 1981. For further details contact

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