Announcement

International Conference on Numerical Methods in Thermal Problems Swansea, 2–6 July 1979

Objectives

Numerical techniques are extensively employed in the solution of thermal problems and the finite difference and finite element methods, in particular, have proved to be extremely effective over a broad spectrum of heat transfer research. Numerical methods often provided the only means of analyzing many thermal problems, particularly those in which complex geometries, time dependent boundary conditions and/or nonlinear effects play an important role. It is essential to ensure that the results obtained from the numerical technique accurately model the real physical situation and the combination of numerical and experimental work is of particular importance in this respect.

The Conference will be concerned with the application of numerical methods of linear and nonlinear thermal problems, with the main aim of establishing the state of the art of such applications. Analysis of industrial and technological applications will be especially welcomed. It is expected that the published proceedings will form a definitive volume on the subject.

The Conference is being organized in association with the Institute of Numerical Methods in Engineering, Swansea.

Call for Papers

Abstracts are invited on the topics outlined in the provisional program below. 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 1 January 1979. Final papers should be submitted by 1 April 1979. All papers will be published in the Conference Proceedings.

Provisional Program

1. Heat Conduction. 2. Phase Change. 3. Free and Forced Convection. 4. Coupled Conduction and Convection. 5. Turbulent Heat Transfer. 6. Heat and Mass Transfer in Porous Bodies. 7. Thermal and Drying Stresses. 8. Geothermal Problems. 9. Mathematical and Computational Techniques. 10. Industrial and Scientific Applications.

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Persons wishing further details of submitting abstracts should contact:

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