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## ANNOUNCEMENT

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### NEW MATERIALS AND THEIR APPLICATIONS — 22-25 SEPTEMBER 1987

The Institute of Physics is arranging a conference on New Materials and their Applications at the University of Warwick from 22-25 September 1987.

The conference is being organized in collaboration with the following co-sponsoring bodies: British National Committee for NDT; British Institute of NDT; British Cryogenics Council; The Institute of Acoustics; The Institution of Electrical Engineers; The Institute of Ceramics; The Institution of Civil Engineers; The Institute of Metals; The Plastics & Rubber Institute; The Society of Glass Technology.

The aim of the conference will be to provide a forum for scientists and technologists concerned with new ideas and areas of applications in the field of materials. The conference will appeal to those in both the industrial and academic sectors involved in the understanding of materials in relation to their design, manufacture and applications. The topics to be included in the programme are:— Advanced materials; Joining of materials; Microstructure & its relationship to properties; Interfacing of materials (including tribology and lubrication); Materials forming techniques; Materials in a hostile environment; Materials characterisation, including NDT; Electrical, electronic, magnetic, acoustic and optical

properties; Health and safety aspects of materials, with the emphasis on the physical properties and the physics of applications.

A wide range of speakers have been invited to present review papers at the conference; these include Professors A Challis, D Birchell (ICI), D H Bowen (AERE Harwell), D Chistafaro (Metglas), F N Cogswell (ICI), Professor A Cusens (Leeds University), Professor C H L Goodman (STL), F L Matthews (Imperial College), B Partridge (GEC), Professor A Vardy (Dundee University).

Contributed papers are invited on the topics listed above or on any other area within the general theme of the conference. Offers of papers with 2 copies of abstracts (300 words) on one side of A4 paper, should be sent on or before **16 March 1987** to Dr S G Burnay CPhys MInstP, B149, AERE Harwell, Didcot, Oxon OX11 0RA. It is intended that the Proceedings of the Conference shall be published in The Institute of Physics Conference Series.

An Exhibition of instruments and apparatus will be organized in conjunction with the conference.

Further details about the Conference and Exhibition may be obtained from the Meetings Officer, The Institute of Physics, 47 Belgrave Square, London SW1X 8QX.