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ANNOUNCEMENTS

Eurotherm Seminar No. 49: Physical Models for Thermal Energy Stores

25–27 March 1996, Eindhoven, The Netherlands

ABOUT EUROTHERM

The EUROTHERM Committee was created in 1986 from member countries of the European Community. It has the purpose of organizing and coordinating scientific events such as seminars and conferences in the thermal sciences.

The series of EUROTHERM Seminars established by the Committee have become a popular forum for high-level scientific and technical interchange of ideas in a wide range of specialist topics. The primary aim is to stimulate discussion and liaison between specialist groups. The chairman of EUROTHERM is Professor K. Stephan of Stuttgart University (fax + +49 711 685 6140).

Information on future Seminars is available from the Secretary, Professor D. Gorenflo, University of Paderborn (fax + +49 5251 60 3522).

SCOPE OF THE SEMINAR

Thermal energy storage provides a solution to bridge the temporal mismatch between energy need and availability, both for heating and cooling purposes. Following the basic classification, thermal energy can be stored as sensible heat in hot liquids and solids and as latent heat in melts, vapours, chemical reactions and adsorption processes.

The emphasis of this proposed seminar lays primarily on the physical modelling of the fluid flow phenomena and the physical modelling of the fluid flow phenomena and heat and mass transfer processes that occur in thermal energy stores.

Hence, the objectives of this seminar are

— the exchange of recent progress in theoretical models, numerical simulations and experimental analyses of the physical processes occurring; and

— to discuss the consequences of the physical insights gained for the improved design of thermal energy stores.

To enhance the scientific interactions the number of participants will be restricted to approximately 50.

TOPICS OF THE SEMINAR

Heat and mass transfer
- — natural and forced convection
- — thermocline development
- — internal wave phenomena, mixing
- — solidification and melting processes
- — diffusion/convection limitations
- — fouling of heat exchanging surface

Thermodynamics
- — first and second law analyses
- — parasitic energy losses

Design implications
- — optimal storage
- — integrated heat exchangers
- — operation strategies

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TIEES-96: First Trabzon International Energy and Environment Symposium

29–31 July 1996, Karadeniz Technical University, Trabzon, Turkey

OBJECTIVES

TIEES-96 is planned to provide a forum for researchers and practitioners from all over the world to exchange information, present new developments, and discuss the future direction and priorities in the field of energy and environment.

TIEES-96 is organized by the Karadeniz Technical University, University of Victoria, University of Miami and Istanbul Technical University.

SCOPES AND TOPICS

Some key areas of TIEES-96 include:

Alternative fuels
Alternative refrigerants
Combustion technologies
Energy and environment modelling
Energy conservation
Energy conversion and management
Environment control and waste recycling
Environment protection techniques
Fossil fuels and clean energy technologies
Fuel cell technologies
Hydrogen energy
New measurement techniques
Nuclear energy
Renewable energy sources and technologies
Thermal energy storage technologies
Thermal systems and energy analyses

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4th International Symposium on Heat Transfer

7–11 October 1996, Beijing, People's Republic of China

This symposium is organized by the Institute for Thermal Science and Engineering, Tsinghua University, Beijing, People's Republic of China.

THEME

Rapid advances in processing techniques, significant improvements in analytical techniques and an awareness of environmental factors require that the heat transfer community achieve significant improvements in the transfer and utilization of energy to facilitate application of advanced technologies in nearly all fields. Beginning in 1985, the three previous International Symposia on Heat Transfer held in Beijing have enhanced the international dissemination of recent advances in heat transfer research. A large number of papers were presented describing significant advances in heat transfer research from around the world. The papers were published as the Hemisphere series *Heat Transfer Science & Technology* (edited by B. X. Wang). The International Organizing Committee seeks to continue the valuable international exchange of new information and ideas in the rapidly expanding field of heat transfer by organizing the International Symposium on Heat Transfer in Beijing every 4 years. This year, the symposium will also include an exhibition of heat exchangers as part of a special session on heat transfer in heat exchangers.

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