

ANNOUNCEMENTS

Computer Simulation of Multiphase Flows

10-13 August 1986, Communication Center, Rensselaer Polytechnic Institute

Sponsored by: Rensselaer Polytechnic Institute

This workshop is intended to give workers in the field of multiphase thermal-hydraulics a good understanding of how to simulate multiphase flows with two fluid computer codes such as PHOENICS. Participants should have a B.S. level knowledge in fluid mechanics, thermo and heat transfer. Experience in computer programming is not necessary.

Lecturers will be:

- Dr D. B. Spalding, Imperial College (U.K.)
- Dr R. T. Lahey, Jr, RPI (U.S.A.)
- Dr C. Prakash, CHAM N.A., Inc. (U.S.A.)

The registration fee for the workshop is U.S. \$900.00, which includes lecture notes and all receptions/banquets. Interested parties should contact:

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Phone: (518) 266-6442

International Symposium on Cold Regions Heat Transfer

4-6 June 1987, University of Alberta, Edmonton, Alberta, Canada

First Announcement and Call for Papers

Objectives and Topics

During the past twenty-five years, considerable progress has been made in cold regions (Arctic) engineering due mainly to natural resources development in the Arctic regions. The subject of heat and mass transfer is of basic importance to cold regions engineering and is characterized by a multiple-disciplinary approach.

The purpose of this conference is to provide a forum for the review and dissemination of recent scientific and technical information related to all aspects of heat transfer in cold climates. A general review of progress during the past quarter century should be of considerable value as furnishing a point of departure from which progress during coming decades may be measured.

The symposium is co-sponsored by:

- American Society of Mechanical Engineers (Heat Transfer Division)
- Japan Society of Mechanical Engineers
- Division of Building Research, National Research Council Canada
- Centre for Frontier Engineering Research (University of Alberta)
- Centre for Cold Ocean Resources Engineering (Memorial University)
- Scott Polar Research Institute
- Boreal Institute for Northern Studies
- Canadian Society for Mechanical Engineering

Invited lectures on historical review and state of the art reviews in cold regions heat transfer will precede each technical session. The conference will be organized in conjunction with the Canadian Congress of Applied Mechanics, 31 May-4 June 1987.

The topics include:

1. Numerical and analytical methods for freezing and thawing.
2. Heat transfer problems relating to permafrost and soils.
3. Thermal engineering of structures in cold regions.
4. Natural and artificial heat transfer phenomena for ice in water, air, earth and life.
5. Heat transfer problems in engineering construction.
6. Human response to extreme conditions.
7. Energy utilization and conservation in cold regions.
8. Other heat transfer phenomena in cold regions.

Time schedule and publication

Three copies of a 500-word abstract due	15 October 1986
Notification of abstract acceptance	25 October 1986
Five copies of complete manuscript	5 December 1986
Reviews returned to author(s)	10 January 1987
Final manuscript, typed on mats, due	10 February 1987

The papers will be reviewed in accordance with ASME policies and published in a bound volume by the ASME. Inquiries, abstracts and manuscripts should be sent to either:

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