



ANNOUNCEMENTS

Call for Abstracts

OPEN FORUM: UNIVERSITY-INDUSTRY COLLABORATIVE RESEARCH IN MULTIPHASE FLOW 1996 INTERNATIONAL ME CONGRESS AND EXHIBITION

ASME, Atlanta

17-22 November 1996

The Multiphase Flow Committee of ASME sponsors an Open Forum on university-industry interaction in multiphase flow research. The objectives are to introduce new areas of multiphase flow research developed as the result of university-industry partnerships, to present models of collaboration between university and industry researchers, and to highlight special technical accomplishments and synergetic effects. Completed work and work in progress may be presented. A special interest is to identify opportunities and trends for future interactions. Private and government funding programs supporting those collaborations and linkages also will be presented.

Selection of the contributions will be based on one page abstracts, which have to be submitted to the organizer seven months before the meeting and will be reviewed. To encourage informal discussion on on-going projects and to facilitate industrial participation, contributors are not requested to submit papers.

Prospective contributors are requested to submit two copies of their abstracts by 15 April 1996. Notification of acceptance will be given by 15 May 1996.

For further information please contact:

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Announcement for Short Courses

on

TRANSPORT, REACTION AND PHASE CHANGE IN POROUS MEDIA

10-12 June 1996

Recent technological advances in the areas of chemical processing, energy, manufacturing, and materials, and a closer focus on the environment, require a sound understanding of transport (fluid flow, heat, and mass transfer), reaction, and phase change in porous media. The course provides state-of-the-art description and modeling (e.g. local volume averaging) of single- and two-phase flow transport in porous media by discussing the mechanisms (diffusion, convection, and radiation), deriving useful relations, and providing references to applicable available results.

Engineering/geological examples and laboratory demonstrations will also be given. This course should be useful to practicing civil, chemical, environmental, materials, and mechanical engineers, and those in applied science.

For further information contact:

Engineering Conferences
300 Chrysler Center, North Campus
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First Announcement and Call for Papers

THIRD COLLOQUIUM ON PROCESS SIMULATION

COMPUTATIONAL FLUID DYNAMICS COUPLED WITH
CHEMICAL KINETICS, COMBUSTION & THERMODYNAMICS

Espoo, Finland

12-14 June 1996

Computational Fluid Dynamics (CFD) has long been utilised in process engineering for predicting fluid flow and heat transfer phenomena in reactors, pipes and all kinds of vessels. During recent years, CFD-software has been developed into more reliable and efficient tools for process engineers. At the same time, increasing demands and expectations from industry have been put to CFD-predictions. Therefore, more accurate models and boundary conditions are needed for a comprehensive process simulation.

The aim of this colloquium is the presentation and discussion of the present status of process simulation, including fluid flow and heat transfer, chemical reactions and kinetics, combustion, thermodynamics, and experimental validation. Special emphasis will be put on the following topics:

- Turbulence
- Multiphase Flow
- Thermal Radiation
- Combustion, Chemical Reactions and Kinetics
- Process Simulation in Practice
- Software Development

For additional information please contact:

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*First Announcement and Call for Papers***EUROTHERM SEMINAR No. 48**

Paderborn, Germany

18–20 September 1996

The scientific scope of the seminar will be the presentation of new results from experimental and theoretical research on pool boiling heat transfer.

Topics to be included:

- Experimental techniques and correlations in pool boiling heat transfer
- Influence of thermal properties and surface characteristics
- Influence of mass transfer (boiling of mixtures)
- Formation and movement of bubbles (flow patterns, visualization of bubbles)
- Enhancement of boiling heat transfer
- Boiling on tube bundles and connection of pool boiling to flow boiling

For further information please contact:

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