

ANNOUNCEMENTS

PHYSICAL MODELLING OF GAS-LIQUID FLOWS

A SHORT COURSE ON BASIC AND ADVANCED PRINCIPLES INCLUDING LABORATORIES TO DEMONSTRATE PHYSICAL PHENOMENA AND INSTRUMENTATION

Pisa, Italy
21-26 May 1990

The course is organized by the Department of Chemical Engineering of the University of Pisa and the Ecole Nationale d'Electrotechnique, d'Electronique, d'Informatique et d'Hydraulique of the Institut National Polytechnique de Toulouse, France.

Objectives

The basic framework for the solution of a wide variety of gas-liquid flow problems is now well-understood, much of the work having been completed in recent years. It is the objective of this course to present this modern approach in sufficient detail so that those attending can apply the results to problems of design. In addition, this should prepare the participants to understand the new literature which emerges in the years to come.

During this course the facilities of the two-phase flow research laboratory of the University of Pisa will be available to participants. Demonstrations will be conducted in the two-phase flow loops and advanced instrumentation techniques will be shown with "hands on" experiments. An extra day is offered for "hands on" use of existing computer codes.

Correspondence

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MODERN DEVELOPMENTS IN BOILING HEAT TRANSFER AND TWO-PHASE FLOW

Rensselaer Polytechnic Institute Troy, NY, U.S.A.

25-29 June 1990

A seminar will be held at Rensselaer on important new advances in multiphase science and their engineering applications. This seminar is intended for scientists and engineers working in the field of two-phase flow and heat transfer.

Topics to be covered in this seminar include:

- Two-fluid modeling techniques
- Wave propagation in two-phase flow
- Applied fractal and chaos theory
- Boiling heat transfer applications and augmentation
- Phase distribution and separation phenomena
- Critical flow
- Two-phase flow dynamics and instabilities
- Evaporation of thin liquid films