

ANNOUNCEMENT

International Symposium on Two-Phase Annular and Dispersed Flows

Università di Pisa
Pisa, Italy
June 24 - 29, 1984

OBJECTIVES

The unifying theme of the Symposium will be the understanding of the annular and dispersed patterns that exist for two-phase flows. Both experimental and theoretical papers will be welcome. The types of topics to be covered are as follows:

1. Atomization of wall films and the prediction of drop size.
2. Dispersion of particles in a turbulent flow and their deposition on boundaries.
3. Behavior of a cloud of particles including their effect on fluid turbulence, the prediction of slip velocity and the coalescence of droplets.
4. Wave structure on and stability of liquid films.
5. Turbulence properties of the liquid layer and the gas in concurrent flows.
6. Fundamental aspects of heat, mass and momentum transfer to liquid films and to drops, including dry-out of liquid films.
7. Asymmetry effects in horizontal two-phase flows.
8. Prediction of the transition to annular flow.
9. Prediction of film height, friction factor, pressure drop, entrainment for annular flow; i.e., the development of design equations.
10. Fundamental issues in the analysis of systems involving annular and dispersed flows.

PROGRAM FORMAT

Approximately thirty papers will be given in four morning and two afternoon sessions. Provisions will be made for the showing of films on one evening.

Sightseeing excursions will be organized for two afternoons and for a full day on June 29.

CALL FOR PAPERS

The Organizing Committee is calling for papers in the topical areas listed above. Paper selection will be based on reviewed abstracts of approximately 600 words which should be double spaced. The abstracts should be sent to B. J. Azzopardi, Engineering Science Division, AERE, Harwell, OX 11 0RA England.

DEADLINES

Final date for receipt of abstract

October 31, 1983

Notification of acceptance

February 29, 1984

PUBLICATIONS

A bound volume of the extended abstracts will be available at the Symposium. Authors are invited to submit full length manuscripts by the opening date of the Symposium. Arrangements have been made for the publication of selected papers shortly after the Symposium in a special issue of *Physico Chemical Hydrodynamics*.

ORGANIZING COMMITTEE

P. Andreussi
B.J. Azzopardi

M. Cumo
J.M. Delhaye
A.E. Dukler
T.J. Hanratty

G.F. Hewitt
F. Mayinger
S. Zanelli

Università di Pisa, Italy
Atomic Energy Research Establishment, Harwell, UK
(Secretary of the Scientific Committee)
Università di Roma, Italy
Centre D'Etudes Nucléaires de Grenoble, France
University of Houston, USA
University of Illinois, USA
(Chairman of the Organizing Committee)
Atomic Energy Research Establishment, Harwell, UK
Technische Universität, München, Germany
Università di Pisa, Italy (Symposium Chairman)

SCIENTIFIC COMMITTEE

Current members of the Scientific Committee are

S. Banerjee, USA
F. Durst, Germany
J.M. Fitremann, France
P. Griffith, USA
M. Ishii, USA
L. Masbernat, France
A. Prosperetti, Italy
E. Rhodes, Canada
K. Sekoguchi, Japan

M. Silvestri, Italy
H.C. Simpson, UK
T. Spantvedt, Norway
Y. Taitel, Israel
T. Ueda, Japan
B. Wallis, USA
P.B. Whalley, UK
N. Zuber, USA

Reply Form
TWO-PHASE ANNULAR AND DISPERSED FLOWS
Università di Pisa, Italy
June 24–29, 1984

Please print or type:

NAME

Affiliation

Address

City/State/Zip code

Telephone No. (include area code)

- I am interested in the conference; please send further information
- I plan to attend the conference
- I will submit a paper. Tentative title:
-