

ANNOUNCEMENTS

CALL FOR PAPERS

INTERNATIONAL CONFERENCE ON MECHANICS OF TWO-PHASE FLOWS

National Taiwan University, Taipei
Taiwan, R.O.C.

12-15 June 1989

The conference will concentrate on various aspects of two-phase flows. Fluid mechanics and thermodynamics aspects of particulate two-phase flows are of special interest, especially if they may be of use in deepening the understanding of the physics of two-phase flows. Contributions are invited that utilize modern measuring techniques such as phase-Doppler anemometry, holography etc. to provide local information of two-phase flows. Of interest also are numerical investigations carried out by suitable finite difference and/or finite element techniques providing solutions to the basic equations of two-phase flows.

Special Topics of Interest

Fundamentals

- Basic equations and fundamentals of two-phase flows
- Treatments of interphase momentum heat and mass transfer
- Fundamental experimental and numerical studies

Experimental investigations

Detailed measurements in:

- gas-solid-particle flows
- liquid-gas flows (bubbles)
- gas-liquid flows (sprays)
- wall boundary layer flows with particles
- separated flows with particles
- other interesting studies that yield physical information on two-phase flows

Numerical studies

- Computer programs for two-phase flows
- Predictions of local information in:
 - gas-solid-particle flows
 - liquid-gas flows (bubbles)
 - gas-liquid flows (sprays)
 - wall boundary layer flows with particles
 - separated flows with particles
 - other interesting studies that yield physical information on two-phase flows

Studies of engineering flows

Abstracts

Paper selection will be based upon a review of extended abstracts of at least 1000 words which should be double-spaced and state clearly the purpose, results and conclusions of the work with supporting figures as appropriate. Three copies of the abstract should be submitted to:

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National Taiwan University
Taipei 10764, Taiwan, R.O.C.
Tel.: (886)-(2)-341-0503
FAX: (886)-(2)-341-8290

Deadlines

Final date for receipt of abstracts: 30 September 1988
 Authors informed concerning acceptance: 31 January 1989
 Final date for receipt of camera-ready manuscript: 31 March 1989

Language

The language of the conference is English.

Registration Fee

The registration fee, US\$160, includes all refreshments, a reception, a banquet, a sight-seeing tour and a copy of the proceedings of the conference.

CALL FOR PAPERS

WAVES AND INSTABILITIES IN TWO-PHASE FLOW

*Session to be held
 at the*

26th ASME/AIChE/ANS
 NATIONAL HEAT TRANSFER CONFERENCE

Adam's Mark Hotel
 Philadelphia, Pa, U.S.A.

6-9 August 1989

The Thermal-Hydraulics Division of the American Nuclear Society will sponsor a technical session on "Waves and Instabilities in Two-phase Flow" at the 1989 NHTC. For this session papers are invited which describe wave propagation and instability analyses, experimental and computational studies in two-phase flow systems. The topics include, but are not limited to:

- Two-phase flow instabilities
- Waves in multiphase systems
- Interfacial instabilities and phase change
- Interaction of flow and power oscillations etc.

Additional topics proposed by prospective authors in their extended abstracts will be seriously considered. The following schedule will be adhered to:

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| ● 400/500 word abstract due by | 1 November 1988 |
| ● Authors notified of preliminary acceptance | 15 December 1988 |
| ● Four copies of manuscript due to Session Organizer by | 16 January 1989 |
| ● Author-prepared mats due by | 1 April 1989 |

All accepted papers will be published in the *ANS Proceedings of the 1989 National Heat Transfer Conference*. Papers of archival value will be endorsed for publication in an appropriate journal without further review.

Send all abstracts or inquiries to the Session Organizer:

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