

Please make checks payable to Stanford University. Mail to:

Department of Chemical Engineering  
Stanford University  
Stanford, CA 94305  
U.S.A.

Reservations to be made by 26 June 1981.

---

## MEASUREMENTS IN POLYPHASE FLOWS

### SYMPOSIUM ANNOUNCEMENT AND CALL FOR PAPERS ASME SPRING MEETING, ST. LOUIS, 7-11 JUNE 1982

#### 1. INTRODUCTION

The objective of the symposium is to provide a forum for presenting and discussion the current status and future needs in the measurement of polyphase flows in fluids engineering. Papers will be accepted for presentation based upon their contribution to the advancement of the state-of-the-art in the areas of:

- (a) New measurement techniques or concepts in instrumentation.
- (b) Results of experiments done to establish the accuracy and/or precision of measurement techniques or instrument.
- (c) New methods or analytical models used to interpret the response of instruments in terms of the physical flow variables.

#### 2. SCOPE

Papers accepted for presentation will be separated into the general categories of:

- (1) Flows of gases and liquids.
- (2) Flows of gases and solids.
- (3) Flows of liquids and solids.
- (4) Flows of gases, liquids and solids.

Typical areas of interest include measurements of:

- Temperature
- Pressure
- Velocity
- Mass, momentum of energy flux of two whole flow or its individual components
- Mass, volume, or mole fraction of two components
- Level measurement.

Contribution papers will be accepted from a variety of areas of application including but not limited to combustion, pollution control, processing industries, energy conversion systems and environmental issues.

### 3. ORGANIZATION

The symposium is sponsored by the Polyphase Flow Committee of the ASME Fluids Engineering Division. Approximately 12 technical sessions are planned. An informal discussion session will be scheduled at the conclusion of the technical program to assess the results of the symposium and plan for future efforts. Review/keynote papers will be given in each of the general categories of two phase flow measurements. Papers will be printed in a symposium volume on author prepared mats. Authors are free to submit their papers to any Journal of their choice after presentation.

### 4. SELECTION OF TECHNICAL PAPERS

Papers will be tentatively accepted for presentation based upon the submission of an extended abstract of no more than 4 pages, double spaced, which includes supporting figures and tables. Abstracts are due 1 June 1981. Authors will be notified of tentative acceptance by 1 July 1981. Final acceptance of papers will be based upon review of the full length paper which must be received by 1 September 1981. Author prepared mats for the accepted papers will be due by 1 December 1981. Papers should be addressed to:

Dr. T. R. Heidrick  
Alberta Research Council  
11315-87th Avenue  
Edmonton, Alberta  
Canada T6G 2C2

### 5. INSTRUMENTATION AND SERVICES EXHIBIT

Council firms desiring to exhibit their products and services in the area of two phase flow technology are invited to submit a letter outlining their interest in participating in such a program to:

Dr. T. R. Heidrick  
Alberta Research Council  
11315-87th Avenue  
Edmonton, Alberta  
Canada T6G 2C2

The letter should be received by 1 June 1981. The organizers will communicate with the vendors on a schedule to be established in the future if enough resources and participants are available to make such an exhibition possible.