

## CALL FOR PAPERS

### BASIC MECHANISMS IN TWO-PHASE FLOW AND HEAT TRANSFER

1980 Winter Annual Meeting  
16–21 November 1980  
Chicago  
Fluids Engineering Division  
Heat Transfer Division

A Symposium on the Basic Mechanisms of Two-Phase Flow and Heat Transfer will be held at the 1980 Winter Annual Meeting in Chicago. This Symposium is being co-sponsored by the Polyphase Flow Committee and the Nucleonics Heat Transfer Committee of the ASME. The objective of this symposium is to provide a forum for discussing recent work that forms a bridge between basic principles and physical reality.

#### *Scope*

Contributions describing either analytical or experimental work are sought. Appropriate topics should focus on mechanisms of interfacial exchange of mass, momentum or energy in non-equilibrium, liquid–vapor flows, including:

- Direct contact condensation on subcooled liquid.
- Interfacial drag.
- Phase separation and distribution.
- Non-equilibrium mixing.
- Two-phase flow regime transitions.
- Boiling, dryout and rewetting.
- Wave propagation in two-phase systems.
- Entrainment mechanisms.
- The role of turbulence in phase distribution.
- Flashing and critical flow.

Interested authors are requested to submit three (3) copies of an abstract of approx. 500 words. Deadline for abstracts is 15 March 1980. Authors will be notified of abstract acceptance by 1 April 1980. Authors of accepted abstracts must submit three (3) copies of full manuscript for review by 15 May 1980. Authors will be notified of comments and/or manuscript acceptance by 25 June 1980. Final manuscript are due by 20 July 1980.

Abstracts and manuscripts may be sent to:

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