

ANNOUNCEMENT

International Symposium on Natural Circulation

ASME Winter Annual Meeting, 15–20 November 1987, New York, U.S.A.

Call for Papers

THE Multiphase Flow Committee of the Fluids Engineering Division and the Nucleonics Heat Transfer Committee (K-13) of the Heat Transfer Division of the American Society of Mechanical Engineers are cosponsoring an international symposium on natural circulation during the ASME Winter Annual Meeting of 1987.

Purpose

Natural circulation finds many industrial applications; it plays an important role in solar heaters, decay heat removal in nuclear reactors, geothermal and other energy systems, as well as in high-technology systems such as electronic equipment. The purpose of the symposium is to provide an opportunity for engineers and scientists to meet in common technical sessions to present the state of the art and exchange ideas in this important area.

Scope

Papers dealing with analytical, computational, experimental and design-related works on all aspects of natural circulation flow phenomena will be considered. Some of the subject areas of interest are as follows:

- Single- and two-phase natural circulation in loops.
- Thermosyphon applications (heat pipes, solar water heaters, electronic equipment cooling, geothermal systems, etc.).
- Buoyancy-driven recirculation within a pool or enclosure.
- Natural convection flow in parallel channels.
- Interaction of natural circulation and forced flow.
- Buoyancy-induced oscillation and instabilities in closed-loop flows.
- Innovative thermo-fluid systems utilizing natural circulation.
- Other areas clearly relevant to natural circulation.

Selection of papers

Papers for presentation at the symposium will first be screened based on submitted abstracts of between 500 and 1000 words, typed doubled-spaced, including supporting figures and tables if necessary. The abstract should state clearly the objective, results, and conclusions. The final acceptance of the paper will be based upon review of the complete manuscript. The accepted papers will be published in a single volume which will be available at the symposium. After the symposium, the authors will be free to submit their papers to a journal if they wish.

Deadlines

15 December 1986	Three copies of abstracts due.
10 January 1987	Notify abstract acceptance.
1 March 1987	Full-length papers due.
1 May 1987	Notify paper acceptance.
10 June 1987	Author-prepared mats due.

Organizers

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