

CALL FOR PAPERS

COMPUTATIONAL MODELLING & VERIFICATION OF THERMAL-HYDRAULIC SYSTEMS

23rd ASME/AICHE/ANS National
Heat Transfer Conference
August 6–9, 1985
Denver, Colorado

The American Nuclear Society's Thermal-Hydraulics Division plans to sponsor a technical session(s) on "Computational Modelling and Verification of Thermal-Hydraulic Systems" at the 23rd National Heat Transfer Conference. Both computational and numerically-related analysis pertinent to the use of computers in the analysis of fluid behavior in engineering systems. Both single-phase and multi-phase (gas, liquid, solid) flows will be considered including phase change phenomena. Contributed papers are solicited in, but not restricted to, the following areas:

- Numerical stability and well-posedness—problem closure
- New & efficient computational techniques
- Comparison of discrete and lumped parameter analysis
- Turbulence and turbulent fluid effects
- Problem initiation for transient analysis
- Constitutive law formulations

Papers delineating the verification of separate effects by comparison with exact solutions or well documented experimental results will be especially welcome.

Accepted papers will be published in a bound volume available at the meeting and papers of permanent interest will be recommended for possible publication in an appropriate journal. 400–500 word Abstracts (4 copies) should be sent by November 15, 1984 to Prof. S. Banerjee, U. C. Santa Barbara, California, 93106. Authors will be notified of acceptance by December 1, and Manuscript will be required by January 15, and author-prepared mats will be due by April 1, 1985.