

**(16) Vapour/Liquid Separation—G. Hetsroni**

Classification of separators. Deposition and re-entrainment. Carryover and carryunder—  
Experimental results and empirical design procedures. Application of detailed flow structure  
models.

FRIDAY 14 AUGUST 1981

**(17) Fluid-Structure Interactions in Two-Phase Flow in Equipment—G. Hetsroni**

Interaction and structural excitation mechanisms. Damping and mode shape. Experimental  
results. Correlations for two-phase flow systems. Design.

**(18) Safety Considerations I: Nuclear Fast Reactors—H. K. Fauske**

Design aspects. Accidental scenarios and thermalhydraulic behaviour. Two-phase flow of  
metal coolants. Fuel-coolant interactions. Sodium aerosols. Vapour explosions.

**(19) Safety Considerations II: Chemical Plant—H. K. Fauske**

Accidents in chemical plants and the role of two-phase flow. Critical discharge rates and  
blowdown. Design aspects of loss prevention.

**RESERVATIONS**

The course fee, including room and board, is \$800 per registrant. Accommodations will be made  
on campus at one of Stanford's students residences (w/o private baths). Three meals per day will be  
provided. The course fee EXCLUSIVE of room and board is \$600. Course fee includes printed  
lectures.

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.

---

NINETEENTH ANNUAL MEETING  
OF THE  
SOCIETY OF ENGINEERING SCIENCE

OCTOBER 27-29, 1982

University of Missouri-Rolla  
Rolla, Missouri, U.S.A.

The Nineteenth Annual Meeting of the Society of Engineering  
Science will be held at the University of Missouri-Rolla, Rolla,  
Missouri from Wednesday, October 27, through Friday, October 29,  
1982. Invited and contributed papers from engineers and scientists  
in all fundamental disciplines of engineering sciences will be presented.

Presentation of papers will be selected on the basis of submitted and invited abstracts. Abstracts must not exceed one single-spaced typed page including references and illustrations, if any. Full names and mailing addresses of the authors must follow the title of the paper. The abstract must be typed on white bond paper (8½" x 11") with 1¼" wide margin on all four sides. One typed original and one copy of the abstract should be mailed to:

SES Papers Committee  
c/o Professor R. C. Batra  
Department of Engineering Mechanics  
University of Missouri-Rolla  
Rolla, Missouri 65401 USA

All abstracts must be received no later than April 15, 1982, and notification of acceptance or rejection will be made by June 15, 1982.

Preliminary Program: Around September 1, 1982, a Preliminary Program that will include details about preregistration, housing and travel will be distributed to persons who would have expressed an interest in the conference by writing to Professor Batra at the address given above.