

*CALL FOR PAPERS*  
INTERNATIONAL SYMPOSIUM ON  
TURBULENCE MODIFICATION IN DISPERSED MULTIPHASE  
FLOWS

ASME Spring Annual Meeting  
San Diego, California, U.S.A.

9-12 July 1989

*Purpose*

Several experiments have shown that the turbulence of a carrier fluid is considerably modified by the presence of dispersed particles or bubbles. Both reduction and enhancement of turbulent kinetic energies have been experimentally observed and a number of mechanisms have been discovered, which contribute to these phenomena. In parallel with the experimental results analytical and numerical studies are underway trying to explain and to model the complex interactions between the carrier fluid and the dispersed second phase.

The purpose of this international symposium is to provide a forum for researchers and to discuss current analytical, numerical and experimental developments in this area of multiphase flows.

*Organization and scope*

The symposium is organized by the Multiphase Flow Committee of the ASME Fluids Engineering Division. Three sessions are planned with emphasis on the fundamental aspects of turbulence modification due to a dispersed second phase. Two invited papers are planned. Contributed papers are solicited in (but not restricted to) the following areas:

1. New experimental results on turbulence enhancement or reduction in dispersed multiphase flows.
2. The effect of sizes and shapes of particles or bubbles to fluid turbulence.
3. Turbulence closure equations with the presence of a dispersed phase.
4. Analytical approaches to the problem.
5. Investigations into the mechanism of turbulence modification.

*Selection of technical papers*

Authors are requested to submit two copies of an extended abstract of 400 words for evaluation by the symposium organizers. The extended abstract should clearly state the purpose, results and conclusions (or tentative conclusions) of the project with supporting figures and tables if necessary. The abstracts should be sent to either Professor Michaelides or Professor Stock at the addresses given below. The final acceptance of the papers will be based on a review of the complete manuscript according to established ASME practice.

*Symposium deadlines and publication*

1 August 1988	Extended abstracts due
15 September 1988	Authors notified of abstract's acceptance
15 November 1988	Complete papers due
15 January 1989	Authors notified of final paper acceptance
15 March 1989	Final manuscript due on author-prepared mats

All the accepted papers will be published by the ASME in a symposium volume available at the *1989 Spring Annual Meeting*. According to ASME practice the symposium papers can also be submitted for publication to the *Journal of Fluids Engineering* or another ASME journal.

*Symposium organizers*

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