

*Call for Papers*  
**ASME FLUIDS ENGINEERING DIVISION MEETINGS**

**SYMPOSIUM ON QUANTIFICATION OF UNCERTAINTY  
 IN COMPUTATIONAL FLUID DYNAMICS**

Washington, DC, U.S.A.

*20-24 June 1993*

The Coordinating Group on Computational Fluid Dynamics (CGCFD) and the Fluid Mechanics Committee of the ASME Fluids Engineering Division (FED) is organizing a Symposium on the Quantification of Numerical Uncertainty in Computational Fluid Dynamic (CFD) Predictions.

**PURPOSE AND SCOPE**

Computational Fluid Dynamics (CFD) has established itself as a viable research technique and has demonstrated its ability, when used correctly, to accurately reproduce complex flow physics. However, the successes in CFD simulations has spawned a new responsibility and focus for CFD, namely quantification of numerical uncertainty. Numerical experiments are now possible, therefore, as in physical experiments a statement of numerical accuracy is a logical extension to the method.

The purpose of this symposium is to promote the discussion and interchange of current information related to developing techniques for quantification of numerical uncertainty. Papers are solicited in three broad areas: (1) characterization of uncertainty (i.e. what are the appropriate measures of numerical uncertainty?); (2) identification of the sources of errors in numerical simulations; and (3) methods for computing local and global magnitudes of numerical uncertainty.

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**SYMPOSIUM ON DEVICES FOR  
 FLOW MEASUREMENT AND CONTROL**

Washington, DC, U.S.A.

*20-24 June 1993*

**PURPOSE**

The purpose of this symposium is to provide a means of interdisciplinary exchange of ideas on the mechatronic devices (sensors and actuators) used to measure and control fluid flow.