

## ANNOUNCEMENT

### SYMPOSIUM ON ADVANCES AND TRENDS IN COMPUTATIONAL STRUCTURAL MECHANICS AND FLUID DYNAMICS

*Sheraton National Hotel, Washington, D.C., 17–19 October 1988*

The George Washington University and NASA Langley Research Center are organizing a Symposium on Advances and Trends in Computational Structural Mechanics and Fluid Dynamics. The emphasis in this symposium will be on interaction problems and techniques that are applicable to both the structures and fluids areas. Papers are invited on the following subjects :

- mechanistic base for constitutive relations ;
- reacting and non-equilibrium thermodynamics ;
- large eddy simulation and turbulence modeling ;
- computational strategies and numerical algorithms for multiprocessor computers ;
- advances in discretization techniques for structural and fluid problems ;
- adaptive and hybrid methods ;
- mesh and model generation ;
- multidisciplinary and multilevel optimization techniques ;
- configuration aerodynamics ;
- failure analysis and damage tolerance concepts of structures made of new materials ;
- high-speed incompressible and highly-rotational internal flows ;
- engine–airframe integration ;
- experimental validation of structural and computational fluid dynamic analysis.

Authors should submit five copies of an extended abstract of about 1000 words including sample figures prior to 9 October 1987. Notification of acceptance will be given by 30 November 1987. Five copies of the final manuscript, complete with original drawings or glossy prints will be due by 15 April 1988.

A volume of proceedings will be published before the meeting. For information please contact :

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