

ANNOUNCEMENT AND CALL FOR PAPERS FOR
SYMPOSIUM ON ADVANCES AND TRENDS IN
STRUCTURAL AND SOLID MECHANICS

at Sheraton National Motor Hotel
Washington, D.C.

October 4-7, 1982

Co-sponsored by
The George Washington University and
NASA Langley Research Center

The purpose of the symposium is to provide multidisciplinary medium for communicating recent and projected advances in applied mechanics, applied mathematics, numerical analysis, computer hardware, computer software and their impact on *structural and solid mechanics*. Papers are invited on the following topics: new structural theories and their formulation, material characterization and strength theories, analytical solution techniques and their adaptation to computerized solution of structural problems, advances in finite element technology and other numerical discretization techniques, adaptive methods and mathematical modeling techniques, potential of mini-computers, supercomputers, distributed processors, microprocessors and systolic arrays for solution of structural problems. Among the application areas considered are: inelastic behavior and failure mechanisms of fibrous composite structures, vehicle crashworthiness, earthquake resistant structures, and large-area space structures.

Authors should submit *five copies of an extended abstract of 1,000 words by October 16, 1981*. Four copies of the *final manuscript will be due by April 16, 1982*. Papers accepted for presentation will be published before the meeting in a bound volume and will be considered for publication in the Journal of Computers and Structures.

One-page abstracts are also solicited on current research in progress for presentations at special sessions. For further information contact:

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