

# Even If You Missed The Conference — *You Can Still Obtain The Vital Information That Was Presented.*

## PROCEEDINGS

NOVEMBER 6-10



SALT LAKE CITY, UTAH

### A SAMPLING OF THE SUBJECTS INCLUDED ARE:

- Mode Test of a Wing Pair of the HARM Missile.
- Stiffness Reductions During Tensile Fatigue Testing of Graphite/Epoxy Angle-Ply Laminates.
- Structural Modification and Modal Analyses.
- Fracture Healing Estimates Based on the Structural Frequency Response Function.
- Dynamic Tensile Tests of Composite Material Using a Split Hopkinson Pressure Bar.
- Modal Test of Shuttle Engine Nozzle.
- Development of Experimental Techniques for Measurement of Damping in Composite Materials.
- Composite Fracture.
- Single and Multiple Input Modal Analysis for Automotive Structures.
- Ultrasonic Attenuation and Backscattering Techniques to Evaluate Impact Damage and Porosity in Composites.
- Microcomputers in the Mechanics of Deformable Bodies.
- Dynamic Response of Random Particulate Composites.
- Transverse Loading of Sandwich Beams.
- Prerequisites to the Development of a Viable NDE Technology for Composite Materials.
- Experimental-analytical Modal Analysis Interface Program.
- Transverse Sensitivity Effects of Strain Gages on Orthotropic Composite Materials.
- Nondestructive Evaluation of Damage in Composite Materials.
- Acoustic Emission — A Complementary Inspection Method for Fiber-reinforced Plastic Components.
- Biaxial Testing of Composite Tubes.
- Design Verification Testing of the X-29 Graphite/Epoxy Wing Covers.
- Applying Small Computers to Undergraduate Instruction in Engineering Mechanics at the University of Minnesota.
- Graphic Enhancement of Mechanics Concepts.
- Signal Processing with the Fast Fourier Transform (FFT) Analyzer.

***In all, 25 papers of presentations by speakers from industry, government, and universities. PROCEEDINGS is now available for everyone unable to attend this important conference.***

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