



Welcome to the
5th International Congress on Thermal Stresses
and Related Topics

THERMAL STRESSES 2003

will be hosted by the
Department of Engineering Science and Mechanics
Virginia Polytechnic Institute and State University
Blacksburg, VA – June 8 - 11, 2003
General Chair: Professor Dr. Liviu Librescu
Chair Program Committee: Professor Dr. Kenneth L. Reifsnider
<http://www.esm.vt.edu/ts2003/>

Important Dates

Submission of abstracts:	09/30/02
Notification of acceptance:	11/15/02
Submission of a 4-page paper:	01/31/03

Congress Main Topics

☞Thermoelasticity	☞Thermoplasticity	☞Thermoviscoelastoplasticity
☞Thermopiezoelectricity	☞Thermomagnetoelasticity	☞Thermal Shock
☞Thermal Stresses in Fracture, Cracking and Fatigue	☞Mechanical Behavior of Materials/Structures at Elevated and Cryogenic Temperatures	☞Engineering Approaches to High/Low Temperature Design
☞Thermal Stresses and Fatigue in Ceramics and Porous Materials	☞Anisotropic Thermomechanical Problems	☞Coupled Thermal/Electro-mechanical Effects
☞Thermal Protection Structural Systems	☞Inverse and Optimization Methods for Thermal Problems	☞Thermal Stresses in Materials and Forming Processes
☞Thermal Stresses and Mechanical Problems in Electronic Packaging	☞Time-Dependent Thermomechanical Effects and Related Implications	☞Active/Passive Control in High Temperature Structures
☞Computational Methods in Thermal Problems	☞Instabilities and Localization Under Thermo-mechanical Loading	☞Experimental Methods in Thermoelasticity
☞Thermoaceroelasticity	☞Thermoaceroaerodynamics/hydrodynamics	☞Heat Conduction Problems
☞Coupled Thermomechanical Fields	☞Thermodynamics of Structures	

Keynote/Plenary Lectures and Symposia

Plenary/Keynote Lectures and Mini-symposia are encouraged to be proposed and organized by the interested participants to the Congress. More details in the web page.

Contact Information

Inquires regarding the program should be directed to:
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