



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
Thermoeroelasticity	Thermoaerodynamics/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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