



A Special Session on SMART MATERIALS AND STRUCTURES

Organized by

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This session focuses on experimental mechanics and thermomechanics of smart materials and structures including:

- smart materials and their applications
- smart structures
- shape memory alloys
- shape memory polymers
- advanced polymer materials
- shape memory composites
- magnetic shape memory materials
- elastocaloric effects
- functionally-graded shape memory materials
- materials related to phase transformation
- multifunctional active materials

Special emphasis will be placed on the phenomena related to phase transformation, in particular macro- and nano-scale phase transition and mechanics of multi-scaled processes with multi-field coupling.