

Special Session (SS04)

Advanced modeling, simulation and testing of electro-active materials and structures

Organizers:

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Description:

The special session is focused on electro-active materials and on structures into which these materials are integrated. Examples are piezoelectric materials, dielectric elastomers or electrostrictive and ferroelectric polymers. We welcome contributions on modeling, simulation and testing of electro-active materials and structures, which may be used as structurally integrated sensors, actuators or transducers for e.g. structural monitoring and control, energy harvesting and conversion or for shape control.