

| Mechanical behavior of advanced materials | | |
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| D2-I | Summary | |
| | <p>This symposium aims at bringing together scientists studying the mechanical behavior of advanced materials. This includes especially nanocrystalline materials, nanostructured materials, nanoparticles, composites, alloys, ceramics, metallic glasses, hybrid materials, and materials in energy applications: Topics of interest include, but are not limited to: 1) Establishing microstructure-property relationships 2) Extraction of mechanical properties and constitutive properties by modeling of load-displacement curves 3) Understanding and predicting deformation mechanisms (e.g. dislocation plasticity, twinning, grain boundary mediated deformation mechanisms). 4) Creep and fatigue properties of advanced materials 5) Severe plastic deformation of materials</p> | |