



Session description

Chairman name: Prof. Dr. Ehrenfried Zschech

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Title of the session: Crack propagation in materials and crack-stop engineering

Objectives:

- Materials design and modeling/simulation
- Micromechanical tests, crack growth, fatigue in metals and composites
- Crack imaging using microscopy and tomography techniques
- Interaction of cracks with materials' microstructure, energy dissipation mechanisms
- Crack stop structures and bio-inspired materials.