

## **Enriched finite-element formulations for fracture**

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In recent years there has been a growing interest regarding the numerical modeling of fracture mechanical problems. For that purpose, several innovative approaches, using element or nodal enrichment strategies, were proposed. The aim of this minisymposium is to address all these enrichment techniques, both from a theoretical and a practical perspective. The topics to be covered include, but are not limited to:

- Embedded and generalised/extended finite element formulations for cracks or heterogeneities;
- modeling of material interfaces and/or microstructure of a material;
- new techniques to overcome convergence problems in the modeling of fracture in brittle and granular materials;
- 3D and large scale problems.