

**MIXED FINITE ELEMENT METHODS AND RELATED TECHNIQUES IN
CONTINUUM MECHANICS**

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ABSTRACT

This minisymposium aims to gather new theoretical and applied developments concerning the utilization of mixed finite elements and related techniques to solve diverse boundary value problems and initial-boundary value problems arising in continuum mechanics. The above refers to direct problems as well as to corresponding eigenvalue problems. Besides the classical mixed finite element method, including a priori and a posteriori error analyses of the respective procedures, we expect contributions involving relatively recent approaches such as *Discontinuous Galerkin*, *Local Discontinuous Galerkin*, *Hybridized Discontinuous Galerkin*, and *Virtual Finite Elements*. In turn, among the different application areas, we particularly welcome works dealing with models from fluid mechanics, elasticity, fluid-solid interactions, and electromagnetism.