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FINITE ELEMENT TECHNIQUES FOR WAVE SIMULATIONS

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MINISYMPOSIUM

This minisymposium is devoted to exchange of ideas for improving simulation tools for wave propagation based on finite elements. Numerical techniques of interest include spacetime methods, reduced order models, nonlinear materials, novel time stepping schemes, tent-based schemes, Trefftz methods, infinite-domain truncation, and fast solvers. All application areas involving waves are welcome, especially electromagnetics, photonics, metamaterials, plasmonics, high energy lasers, optical fiber amplifiers, gravitational waves, acoustics, seismic applications, elastodynamics, water waves, forward and inverse scattering, and multiphysics wave problems.