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Invitation to a Lecture on

Viscoelastic Model of Human Myocardium

Professor Dr. David Nordsletten

King's College London, UK
University of Michigan, Ann Arbor, USA

In this talk, we introduce a new model for nonlinear viscoelastic modeling of the myocardium. Microstructural tissue architecture is used to motivate the development of a viscoelastic model that focuses on fractional material models to represent the relaxation spectrum. A novel numerical method is introduced that enables the efficient solution of these models in a finite element context, with results presented for both liver and myocardial tissues.

Date: Tuesday, November 19, 2019, 16:00h s.t.

Place: Stremayrgasse 16/I, Room BMT01046