

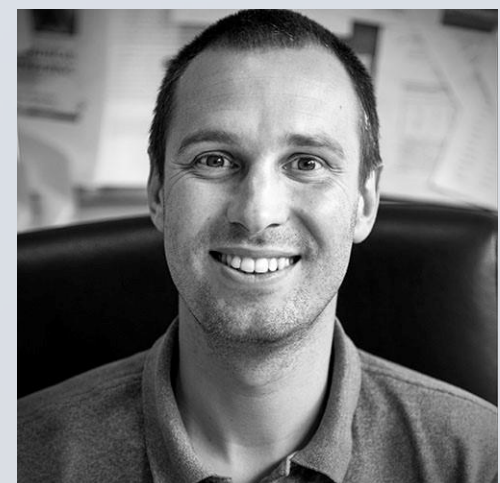
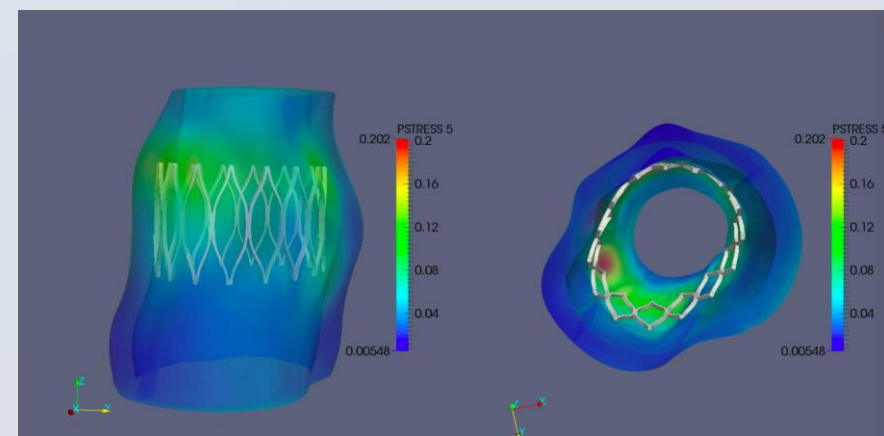
Isogeometric Analysis: An Innovative Paradigm for Advanced Simulation

Inaugural Lecture by Hans Fischer Fellow Alessandro Reali

Thursday, October 29, 2015 | 16:00-17:30 | TUM-IAS Auditorium

Abstract:

This lecture aims at giving an overview of the basic features of an innovative and more than promising Computational Mechanics paradigm, namely Isogeometric Analysis (IGA), and of its main advantages. These are illustrated through some convincing applications, mainly belonging to the field of solid and structural mechanics, where the superior results that can be provided by IGA with respect to standard finite elements are clearly pointed out. The lecture is finally concluded by a brief presentation of some further works and ideas in progress.



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