

Dominik Schillinger, University of Minnesota

Talk title	Multiscale imaging-through-analysis methods in computational mechanics
Biography	<p>Dominik Schillinger started his career at the Universities of Stuttgart and Connecticut, where he obtained Master degrees in civil engineering. In 2012, he completed a doctoral degree at the interface between mechanics, applied mathematics and scientific computing from TUM. In 2013, after a one-year postdoc in Prof. Thomas J.R. Hughes's group at the University of Texas at Austin, Dominik Schillinger assumed his current position as Assistant Professor in the Department of Civil, Environmental, and Geo- Engineering at the University of Minnesota. Over the past years, he has built up a successful externally funded research program at Minnesota that focuses on computational multiscale modeling of materials, structures and fluids, integration of computer-aided design and simulation methods for multiphysics-based design, and imaging-through-analysis methods for autonomous patient-specific simulation in biomedicine. His research has been distinguished with a number of prestigious awards, including the IACM John Argyris Award, the GAMM Richard von Mises Prize, the ICE Zienkiewicz Medal, and the NSF CAREER Award. The recent success of his research program is enabled by his five current PhD students, many visiting students who have worked at Minnesota for extended periods of time, and a number of productive collaborations with high-level research groups in the United States, Europe and throughout the world.</p>