

Thomas Richter - Otto-von-Gutricke University Magdeburg, Germany

Talk title	Deep neural networks for accelerating fluid-dynamics simulations
Biography	Thomas Richter is Full Processor for "Numerics in Applications" at the Otto-von-Guericke University in Magdeburg, Germany. In 2005 he completed his PhD at the University of Heidelberg, followed by a Post Doc in the Aerospace Computational Design Laboratory of the Massachusetts Institute of Technology. In 2010 he got appointed as Assistant Professor in Heidelberg, which he left in 2015 for a Professorship position at the Friedrich-Alexander University Erlangen-Nürnberg. Now, as a Full Professor in Magdeburg his group is working on numerical analysis and scientific computing with a large range of applications in engineering, medicine, natural sciences and climate studies. His focus is on adaptive finite elements, parallel multigrid solvers, scientific machine learning and temporal and spatial multiscale problems.