Marek Behr, RWTH Aachen, Germany

Talk title	Model and Method Hierarchies for Predictive Flow Simulation
Biography	Prof. Marek Behr obtained his Bachelor's and Ph.D. degrees in Aerospace Engineering and Mechanics from the University of Minnesota in Minneapolis. After faculty positions at Minnesota and at Rice University in Houston, he was appointed in 2004 as a Professor of Mechanical Engineering and holder of the Chair for Computational Analysis of Technical Systems (CATS) at the RWTH Aachen University in Germany. He is also an Adjunct Professor at Rice and a frequent Guest Professor at Chuo University in Tokyo. Behr advises or has advised over 50 doctoral students, and has published over 75 refereed journal articles and a similar number of conference publications and book chapters. Behr is one of the main developers of the stabilized space-time finite element formulation for deforming-domain flow problems. He is an expert on physiological model development and on numerical methods for non-Newtonian fluids. He is a member of advisory and editorial boards of international journals and of the general council of the International Association for Computational Mechanics (IACM). He is serving as the Vice-President of the German Association for Computational Mechanics (GACM). In 2014, he was the recipient of the IACM Fellow award.