

Rainald Löhner – George Mason University, USA

Talk title	Towards Overnight Industrial LES for External Aerodynamics
Biography	<p>Rainald Löhner is the head of the CFD center of George Mason University in Fairfax, VA, in the outskirts of Washington, D.C. He received a MSc in Mechanical Engineering from the Technische Universitaet Braunschweig, Germany, as well as a PhD and DSc in Civil Engineering from the University College of Swansea, Wales.</p> <p>His areas of interest include numerical methods, solvers, grid generation, parallel computing, visualization, pre-processing, fluid-structure interaction, shape and process optimization and computational crowd dynamics. His codes and methods have been applied in many fields, including aerodynamics of airplanes, cars and trains, hydrodynamics of ships, submarines and UAVs, shock-structure interaction, dispersion analysis in urban areas, haemodynamics of vascular diseases and pedestrian safety assessments.</p> <p>He is the author of more than 800 articles covering the fields enumerated above, as well as a textbook on Applied CFD Techniques.</p>