

## **Rainald Löhner, PhD, DSc**

Rainald Löhner is the head of the CFD center at the College of Sciences of George Mason University in Fairfax, VA, in the outskirts of Washington, D.C. He received a MSc in Mechanical Engineering from the Technische Universität Braunschweig, Germany, as well as a PhD and DSc in Civil Engineering from the University College of Swansea, Wales, where he studied under Profs. Ken Morgan and Olgierd Zienkiewicz. His areas of interest include numerical methods, solvers, grid generation, parallel computing, visualization, pre-processing, fluid-structure interaction, shape and process optimization, and pedestrian and 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 event safety and management of large crowds. He is the author of more than 750 articles covering the fields enumerated above, as well as a textbook on Applied CFD Techniques.