

Short Bio: Dr. Florian Menter

Dr. Menter is a world-recognized expert in turbulence modelling. He developed the widely used Shear-Stress Transport (SST) turbulence model, which has set a milestone in the accurate prediction of aerodynamic flows. He has also contributed to the formulation of one-equation turbulence models, advanced near-wall treatment of turbulence equations, transition modelling and unsteady flow models. He has been in charge of the turbulence modelling program at ANSYS for more than 15 years and has been involved in a wide range of industrial modelling challenges. He has published more than 50 papers and articles at international conferences and in international journals. Most recently, Dr. Menter has been involved in the implementation of new turbulence models for unsteady flow simulations, including Scale-Adaptive Simulation (SAS) and Embedded/Zonal LES models. These models are particularly relevant for the many industrial applications where time varying information is essential to the engineering outcomes (such as aerodynamics, acoustics, combustion, fluid-structure coupling, etc.).