



Dr. Florian Menter

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Education:

- 1980-85: University Clausthal – Mechanical Engineering
 - 1985: von Karman Institute Brussels: Diploma Thesis
 - 1985-90: DLR Göttingen – PhD
 - 1990-95: NASA Ames Research Center – Moffet Field CA
 - 1995-... ANSYS (and predecessor companies)
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Research: Turbulence Modeling

- RANS
 - SST model
 - 1-equation models (KE1E)
 - γ^+ -insensitive Wall Treatment
 - Generalized $k-\omega$ (GEKO model)
 - K-KL Model
- Laminar-turbulent transition models
 - LCTM (local correlation based transition models) – first RANS based transition model compatible with general CFD codes ($\gamma-Re_\theta$, γ -model)
 - Crossflow indicator for RANS models
- Scale-Resolving Simulation (SRS):
 - Scale-Adaptive Simulation (SAS) models (advanced URANS with LES capabilities)
 - Stress-Blended Eddy-Simulation (SBES) models (optimal hybrid RANS-LES formulation)
- Large number of publications, many with significant citation numbers.