

**Dr Madhukar M Rao**

Director,

ACRi Infotech Pvt. Ltd located

**EXPERTISE**

Computational Fluid Dynamics and Heat Transfer  
Fluid Dynamics, Turbulence, Two-Phase and Free Surface flows, and Solidification and Moving Boundary Problems.

**EXPERIENCE**

Development and application of CFD models for problems in gas turbine engine performance analysis, heat transfer and turbulence.

Developed and implemented unstructured mesh algorithms into a commercial finite volume CFD code, ANSWER™. Implemented Reynolds Stress Turbulence model and other advanced turbulence models into ANSWER which is used as the CFD engine for the Advanced Combustor Code of GE Aircraft Engines.

Computed and analyzed reacting flow fields in the General Electric LM 6000 and other combustors. Principal Investigator on over 10 projects covering CFD, Heat Transfer, Gas Turbine Analysis and Turbulence.

**ACADEMIC BACKGROUND**

Ph.D., in Aerospace Eng., Univ. of Florida, Gainesville, 1996

M.S., in Aerospace Eng., Univ. of Florida, Gainesville, 1990

B.S. in Aerospace Eng., Indian Institute of Technology, Madras, India, 1988