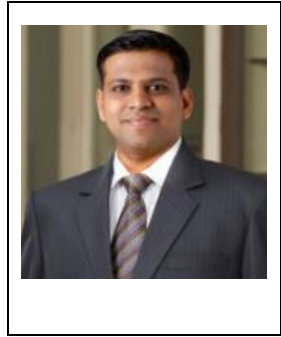


Short Bio-data Expertise

Name: Dr. Chetan S. Jarali

Designation: Senior Principal Scientist



Division: STTD, CSIR National Aerospace Laboratories, Bengaluru

Address
Adaptive Structures Building, STTD, CSIR NAL

Area of Expertise: Design Engineering and Structural Analysis, Composite Materials and Mechanics, Adaptive Structures and Smart Materials Modelling, Nanocomposites.

Core Area: Aircraft and UAV Design, Computational Mechanics and Analysis of Structures, Design for Manufacturing and Testing.

Broad Area of Expertise: Constitutive modelling of smart and multifunctional materials, Design of smart structures and nanocomposites, Morphing and shape control of smart structures, Design and development of electro-rheological fluids and structures.

Major Projects in Aircraft and UAV Design:

SU 30 MKI – Design Lead : Design and Analysis of Missile Adapter

HAP 1:3 – Design Lead : Full Wing and HT Layout Design, Structural Design, Structural Analysis

HAP 1:1 – Design Lead : Full HT Layout Design, Structural Design, Structural Analysis

Specialization: Mechanical Engineering Sciences and Design Engineering

Publications: 35 in SCI impact Factor Journals, 8 Awards, 1 Patent

PhD Guided and Awarded: 06

Subject area willing to guide the student: Mechanical, Aerospace, Chemistry