

Brief Bio-data

Dr. Amit Kumar Onkar

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Structural Technological Division

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Area of Expertise

Computational Mechanics, Structural Dynamics, Linear and Nonlinear Aeroelasticity, Fluid Structure Interaction, Uncertainty Quantification, Probabilistic and Non-probabilistic Methods, Stochastic Finite Elements, Analysis of composite structures

Specialization

Aerospace Engineering

Publications

No. of National/International Journal Papers: 16

No. of National/International Conference Papers: 50

No. of Book Chapters: 04

No of Technical Reports/Project Documents: 160

Teaching Courses

Mathematics for Engineers

Stability of Structures

Aircraft Structures

Computational Structural Mechanics

Students Guidance

PhD Student: Completed-01; Ongoing-03

MTech Students: Completed -11

Subject area willing to guide the student

Computational Mechanics / Aeroelasticity / Applied Mechanics / Aerodynamics / Fluid-Structure-Interaction / Uncertainty modelling / FEM / CFD