

## **Brief Bio-data**

**Dr. Amit Kumar Onkar**

**Sr. Principal Scientist and Professor (AcSIR)**

Structural Technological Division

CSIR-National Aerospace Laboratories

Kodihalli, Bangalore – 560017

Email: [aeroamit@nal.res.in](mailto:aeroamit@nal.res.in)

Phone: 080-2508-6490



### **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