

Short Bio-data

Name: Dr Pradeep Kumar Sahoo

Designation: Principal Scientist

Division: STTD



Area of Expertise:

1. Fatigue, fracture and damage tolerance design and analysis of Aerospace Structures
2. Composites, nanocomposites and adhesively bonded joints in Aerospace Structures

Specialisation: Fatigue and Damage Tolerance (F&DT) Design and Analysis of aircraft structures (metals/composites), Multiscale Modelling and Analysis of composites and nanocomposites

Computational tools: MSC Nastran/ ABAQUS/ Ansys/FRANC 3D/DIGIMAT/MATLAB, etc.

Publications:

1. **40 publications** in the refereed journals, conference proceedings, and as book chapters and institutional documents.
2. **14** Numbers of M.E./ M.Tech students supervised and theses published

Subject area willing to guide the student: Aerospace structures/ Computational material science/ Fatigue and damage tolerance of aircraft structures (metals/composites)/ Multiscale modelling of composites/nano composites using computational tools-MSC Nastran/ ABAQUS/ Ansys/FRANC 3D/DIGIMAT/MATLAB, etc.

Preferred Engineering branches: Mechanical/ Aerospace/ Aeronautical Engineering