

## **Sponsored Research Projects as Principal Investigator**

1. *Design of an Active Flutter Suppression System* (Aeronautics R&D Board)
2. *Development of a Full-Potential Method for Unsteady Transonic Aerodynamics of Three Dimensional Configurations* (Aeronautical Development Agency)
3. *Active Vibration Suppression of Flexible Spacecraft Using Multi-Mode Input Shaping and Rate Weighted Optimal Control* (Indian Space Research Organisation)
4. *Optimal Nonlinear Attitude Control of Spacecraft Undergoing Large, Rapid Maneuvers* (Indian Space Research Organisation)
5. *Re-Entry Trajectory Modelling, Simulation, and Guidance* (Indian Space Research Organisation)
6. *Optimal Nonlinear Attitude Control of CARTOSAT-II* (Indian Space Research Organisation)
7. *Optimal Guidance of a Lifting Re-Entry Vehicle* (Indian Space Research Organisation)
8. *Modelling and Simulation of Debris Entry Trajectory with Aerothermal Break-Up* (Indian Space Research Organisation)