



Short Bio-data

Name: Dr Balamurugan G

Designation: Chief Scientist

Division: SID

Area of Expertise: Mechanical Engineering Design/ Landing Gear System/ Aircraft Mechanical Systems, Manufacturing, Testing

Specialisation: Mechanical Engineering

Publications: 30; Patents: 3 (pl. see second page)

Subject area willing to guide the student: Mechanical

Brief Bio-Data



Dr Balamurugan Gopalsamy has obtained Bachelors (1991) and Master Degrees (1995) in Mechanical Engineering from College of Engineering, Guindy, Anna University, Chennai. He completed PhD (2011) in Mechanical Engineering from NIT, Duragpur under German DAAD Sandwich Program, RWTH, Aachen, Germany. He worked as Research Engineer at Fraunhofer Institute of Production Technology, Aachen, Germany. He joined CSIR in February, 1997 and He is presently **Chief Scientist at NAL, Bangalore**. He is SARAS Program co-ordinator. His main area of Interest are Mechanical Design, Aircraft Landing Gear Design, Aircraft Mechanical Systems Design. He has established facilities for lab scale test like Servo Hydraulic Actuation System test rig and Six Degrees of motion platform for liquid slosh simulation and 3D printing facility for functional prototyping, concept demonstration and constructing low speed wind tunnel models. He has more than 30 publications in international refereed journals, book chapters and conferences in addition to numerous invited lectures from Engineering colleges. He has 3 patents to his credit and one is an international patent. He has published more than 70 internal technical write ups/ publications at NAL.

He is a reviewer for several international SCI journals viz i) International Journal of Advanced Manufacturing Technology, Springer Edition, London, ii) International Journal of Mechanics and Materials in Design, Springer Publication. iii) Proceedings of the Institution of Mechanical Engineers, Part B, Journal of Engineering Manufacture. He received Best Innovation award from CSIR-CMERI in 2003 and German DAAD Fellowship in 2004 in addition to awards received at CSIR-NAL.

Dr Balamurugan was nominated as member for Board of Studies(Academic) in Crescent University, Chennai and Dr Mahalingam College of Engineering, Pollachi, Coimbatore. He is Board of Studies(Academic) member at Dayananda Sagar University, Bangalore. He was an Expert Member:- Review of CARS Projects at DRDO-GTRE, Bangalore. He was a Member, Wing Door and Shutter Mechanism Sub-Committee, Nirbhay, DRDO-ADE and as Member for Critical Design Review Committee, Technology Demonstrator Engine Fuel Control Systems, GTRE, Bangalore. He has guided 20 M.E/ MTech theses. He has guided one PhD Scholar and is presently guiding 3 PhD scholars.