

Short Bio-data

Name: Krishna Lok Singh, Dr



Designation: Senior Principal Scientist

Division: Structural Integrity Division

Area of Expertise: Aerospace Structures

Specialisation: Fatigue and Fracture Mechanics

Publications: Journal: 22 Conference: 51

Subject area willing to guide the student: Aero / Mechanical / Civil / Physics / etc.

1. K. Lok Singh and B. Dattaguru (2013) Delamination Tolerance in Composites under Fatigue Loading, Journal of the Indian Institute of Science (JIISc), A Multidisciplinary Reviews Journal, ISSN:0970-4140 Coden-JIISAD, Vol. 93, Nr. 4, 593-602, Oct.-Dec. 2013.
2. Krishna Lok Singh, Madhu K. S., and Mallikarjun Vaggar (2014) Computation of Onset and Growth of Delamination in Double Cantilever Beam Specimen Subjected to Fatigue Loading, Defence Science Journal (DSJ), Vol. 64, Nr. 4, July 2014, 400-405, DOI: 10.14429/dsj.64.4069.
3. Krishna Lok Singh, Kamal Keswani and Mallikarjun Vaggar (2014) Crack growth simulation of stiffened fuselage panels using XFEM techniques, Indian Journal of Engineering and Materials Sciences (CSIR-NISCAIR-IJEMS), Vol. 21, Issue 4, August 2014, 418-428, ISSN: 0975-1017 (Online); 0971-4588 (Print).
4. Krishna Lok S, Manoj Paul J and Vanam Upendranath (2014) Prescience Life of Landing Gear using Multiaxial Fatigue Numerical Analysis, Science Direct Elsevier, Procedia Engineering, Structural Integrity, Vol. 86 (Dec-2014) 775-779. DOI: 10.1016/j.proeng.2014.11.097.

5. Krishna L. S., Madhu K. S., Mallikarjun R. V.(2015) Compressive Behaviour of Pristine and Impacted Composite Laminates: Numerical Simulations and Experimental Studies, International Journal of Structural Mechanics and Finite Elements(IJSMFE), Vol. 1: Issue 1, 1-15, 13 Jan 2015.
6. Krishna Lok Singh and Abdul Waheed A (2015) 'Stress and Fatigue Damage Computation of a Nose Landing Gear', International Journal of Fracture and Damage Mechanics (IJFDM), Publisher: JournalsPub, Vol. 1: Issue 1, 16-33, 23July2015.
7. Krishna Lok S., Rahul Ghodake, S. C. Gupta, (2015) Analytical, Stress and Vibration Analysis of Landing Gears, Journal of Advances in Mechanical Engineering and Technology (JAMET), Chrome Publishing Group (CPG), Chrome Journals, ID 127, Volume 1, Issue 1, pp. 8-21, 24Nov2015.
8. Krishna Lok S., Khazi M. M. Siddiqui (2017), Multi-physics based Simulations of an Oleo-pneumatic Shock Absorber System for PHM, International Journal of Prognostics and Health Management: Vol 8 (2) 025, pages: 8, Nov. 2017, ISSN 2153-2648, 2017 025.
9. Krishna Lok S., 'Multi-physics Based Modeling and Simulation of an Aircraft Brake System', The Indian Science Congress Association, Everyman's Science, Vol. LIV, No. 3, 160-165, August-September 2019.