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Educational Qualification	B.E.,M. Tech.,PhD.	
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Area of specialization: Design Engineering.

Publications

International Journal

1. Dr. Challa Jayaramulu, "Damage Detection in Single Tapered Rectangular Cross Section Cantilever Beam using Neural Networks based on Vibration Characteristics", *International Journal of Science and Research (IJSR)*, https://www.ijsr.net/archive/v8i4/show_abstract.php?id=ART20197404, Volume 8 Issue 4, April 2019, 1572 – 1575
2. Dr Challa Jayaramulu, "Damage Detection in Cantilever Beam", *International Journal of Science and Research (IJSR)*, https://www.ijsr.net/archive/v8i4/show_abstract.php?id=ART20197399, Volume 8 Issue 4, April 2019, 1576 - 1579
3. Dr. Challa Jayaramulu, "Modeling and Analysis of a Small Wind Turbine Blade", *International Journal of Science and Research*
(IJSR), https://www.ijsr.net/archive/v8i4/show_abstract.php?id=ART20197134, Volume 8 Issue 4, April 2019, 1188 – 1191
4. Dr. Challa Jayaramulu, "Vibration-Based Methods for Detecting a Crack in a Fixed Free Beam", *International Journal of Science and Research (IJSR)*, https://www.ijsr.net/archive/v8i5/show_abstract.php?id=ART20197974, Volume 8 Issue 5, May 2019, 1288 - 1293
5. JigarParmar, Vishnu Acharya, Dr. JayaramuluChalla "Selection and Analysis of the Landing Gear for Unmanned Aerial Vehicle for SAE Aero Design Series". *International Journal of Mechanical Engineering and Technology (IJMET)*, ISSN 0976 – 6340(Print),ISSN 0976 – 6359(Online), Volume 6, Issue 2, February (2015), pp. 10-18© IAEME.
6. AkshayBalachandran, DivyeshKarelia, Dr. JayaramuluChalla "Material Selection for Unmanned Aerial Vehicle". *International Journal of Mechanical Engineering and Technology (IJMET)*, ISSN 0976 – 6340(Print),ISSN 0976 – 6359(Online), Volume 5, Issue 8, August (2014), pp. 34-40 © IAEME.
7. Shaikh Farhat and Challa Jayaramulu, May, 2016. "CFD analysis of a circular pin fin", *International Journal of Scientific Engineering and Research (IJSER)*. Vol. 4, Issue 5, ISSN: 2347-3877, , Impact Factor (2015): 3.791

International Conference

1. Parameshwar, Dr.Challa Jayaramulu, "Finite Element Analysis of Composite Wind Turbine Blade", 3rd International Conference on Recent Research Emerging Trends in Materials and Mechanical Engineering (ICRRETMME-2019) REVA University, Bangalore, India.
2. ChallaJayaramulu,"Dynamic Analysis of a Single Rotor System with Nonlinear Visco-Elastic Ball Bearings".8th International conference on Vibration problems (ICOVP-2007). Bengal Engineering and Science University, Shibpur, Howrah, January 30-February 3, 2007.
3. ChallaJayaramulu,"Dynamic Analysis of a Single Rotor System with Nonlinear Visco-Elastic Ball Bearings" PCEA-IFTToMMInternational Conference, Recent Trends in Automation & its Adaptation to Industries (PICA-2006), Priyadarshini College of Engineering, Nagpur, India, July 11-14,2006.

National Conference Papers

- 1 Sangamesh Biradar, Dr. Keshavamurthy R, Dr, Challa Jayaramulu, “ Finite element stress analysis on bolted lap joint composite materials”,National conference on Recent Trends on Engineering Science and Technology (NCRTEST-18) C Byregowda Institute of Technology, Kolar ,24th May 2018.
- 2 Challa Jayaramulu, “Dynamic Analysis of a Single Rotor System with Nonlinear Visco-Elastic Ball Bearings”. National Conference on Advances in Engineering Design, Bannari Amman Institute of Technology, Satyamangalam, April 29-30, 2005.
- 3 Challa Jayaramulu, “RK-Fehlberg Method for Vibration Prediction of a Single Rotor System with Nonlinear Visco-Elastic Ball Bearings”, National Conference on Computational Methods in Mechanical Engineering, (COMPUTIME).University College of Engineering, Osmania University, Hyderabad-7, September 16-17,2005.
- 4 Challa Jayaramulu, “Vibration Prediction for Rotors on Ball bearings”, National Conference on Mechanical Engineering Design (DESCON-2004),. M.S.Ramaiah Institute of Technology, Bangalore, 19th& 20th November 2004.