## DC MEMBER- 6

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- 1. A Multi-Level Colour Thresholding Based Segmentation Approach for Improved Identification of the Defective Region in Leather Surfaces, M Praveen Kumar, Denis Ashok, Engineering Journal, Volume 24, Issue 2, Pages 101-108, 2020
- 2. A Novel Method for Spindle Radial Error Measurement using Laser Pointer and Digital Camera, Sanil Pande, S Denis Ashok, Operations Management and Systems Engineering, Springer, Singapore, Pages 35-43, 2020
- 3. Active camber and toe control strategy for the double wishbone suspension system, C Kavitha, S Abinav Shankar, K Karthika, B Ashok, S Denis Ashok, Journal of King Saud University-Engineering Sciences, Elsevier, Volume 31, Issue 4, Pages 375-384, 2019.
- 4. Fuzzy C-Means Based Clustering and Rule Formation Approach for Classification of Bearing Faults Using Discrete Wavelet Transform, Srivani Anbu, Arunkumar Thangavelu, S Denis Ashok, Computation, Volume 7, Issue 4, Pages 54, 2019.
- 5. Modelling and Validation of a Control Algorithm for Yaw Stability & Body Slip Control Using PID & Fuzzy Logic Based Controllers, Umashankar Lath, Sanyam Kakkar, Aman Agarwal, Bragadeshwaran Ashok, Vemuluri Ramesh Babu, Sathiaseelan Denis Ashok, Chellappan Kavitha, SAE Technical Paper, Issue 2019-28-0054.
- 6. Neural Network Based Virtual Sensor for Throttle Valve Position Estimation in a SI Engine, Bragadeshwaran Ashok, Sathiaseelan Denis Ashok, Chidambaram Ramesh Kumar, Chellappan Kavitha, SAE Technical Paper, Issue 2019-28-0080
- 7. Machine vision based image processing techniques for surface finish and defect inspection in a grinding process, R Manish, Adigopula Venkatesh, S Denis Ashok, Materials Today: Proceedings, Volume 5, Issue 5, Pages 12792-12802, 2018
- 8. Performance analysis and emissions profile of cottonseed oil biodiesel—ethanol blends in a Clengine, K Nantha Gopal, B Ashok, K Senthil Kumar, R Thundil Karuppa Raj, S Denis Ashok, Vignesh Varatharajan, Vivek Anand, Biofuels, Volume 9, Issue 6, Pages 711-718, 2018
- 9. An Energy Conservation Strategy using variable frequency drive for a Hydraulic clamping system in a CNC Machine, Materials Today: Proceedings, Volume 5, Issue 5, Pages 13504-13513, 2018
- 10. Adaptive suspension strategy for a double wishbone suspension through camber and toe optimization, C Kavitha, S Abinav Shankar, B Ashok, S Denis Ashok, Hafiz Ahmed, Muhammad Usman Kaisan, Engineering science and technology, an international journal, Volume 21, Issue 1, Pages 149-158, 2018

- 11. Closed Loop Throttle Opening Angle Estimation Strategy by Considering Torque Demands from SI Engine, B Ashok, S Denis Ashok, C Kavitha, SAE Technical Paper, Issue 2018-28-0079
- 12. Energy conservation strategy in Hydraulic Power Packs using Variable Frequency Drive IOP Conference Series: Materials Science and Engineering, S Ramesh, S Denis Ashok, Shanmukha Nagaraj, M Lohith Kumar Reddy, Niranjan Kumar Naulakha, CR Adithyakumar, IOP Conference Series: Materials Science and Engineering, Volume 310, Issue 1, Pages 012041, 2018
- 13. Fourier Harmonic Regression Method for Bearing Condition Monitoring using Vibration Measurements, A Srivani, T Arunkumar, S Denisashok, Materials Today: Proceedings, Volume 5, Issue 5, Pages 12151-12160, 2018
- 14. Investigations on wear behavior of magnetic field assisted abrasive finished SS316L material, Materials Today: Proceedings, Volume 5, Issue 5, Pages 12734-12743, 2018
- 15. Energy Efficient Hydraulic Clamping System using Variable Frequency Drive in a CNC Machine, S Ramesh, S Denis Ashok, Niranjan Kumar Naulakha, CR Adithyakumar, M Lohith Kumar Reddy, Sai Kiran Reddy, IOP Conference Series: Materials Science and Engineering, Volume 376, Issue 1, Pages 012124, 2018
- 16. Design of An Energy Efficient Hydraulic Regenerative circuit, S Ramesh, S Denis Ashok, Shanmukha Nagaraj, CR Adithyakumar, M Lohith Kumar Reddy, Niranjan Kumar Naulakha, IOP Conference Series: Materials Science and Engineering, Volume 310, Issue 1, Pages 012042, 2018
- 17. Automatic Gear Shifting Mechanism for a Sequential Transmission System for an Electric Vehicle, C Kavitha, S Denis Ashok, B Ashok, Kaisan Muhammad Usman, Shishir Sirohi, Sandeep Singh, Abhinav Ashok Samsi, TC Kanish, Materials Today: Proceedings, Volume 5, Issue 5, Pages 11442-11451, 2018
- 18. Energy-Efficient Illumination Control Using Image Parameters in a Machine Vision Environment for Optimum Surface Texture Identification, R Manish, S Denis Ashok, Advances in Systems, Control and Automation, Pages 165-179, 2018
- 19. Trends and future perspectives of electronic throttle control system in a spark ignition engine, B Ashok, S Denis Ashok, C Ramesh Kumar, Annual Reviews in Control, Volume 44, Pages 97-115, 2017
- 20. A new approach to spindle radial error evaluation using a machine vision system, C Kavitha, S Denis Ashok, Metrology and Measurement Systems, Volume 24, Issue 1, 2017.
- Investigations on the finishing forces in Magnetic Field Assisted Abrasive Finishing of SS316L,
  TC Kanish, S Narayanan, P Kuppan, S Denis Ashok, Procedia engineering, Volume
  174, Pages 611-620, 2017
- 22. Estimation of position of electromechanical actuator valve using Kalman filter, Neelkantha Banerjee, Abhishek Kumar, Nitin Mohan, B Ashok, C Kavitha, S Denis Ashok, 2017 Innovations in Power and Advanced Computing Technologies (i-PACT), Pages 1 6, 2017.
- 23. Design of Robotic Sewing Machine System, Surabhi S Sanap Devunoori Manikanta, S Denish Ashok, Juttiga Suresh, Anish B Nair, International Journal for Research in

- Applied Science & Engineering Technology, Volume 5, Issue 12, Pages 1763-1676, 2017
- 24. Change point monitoring for vehicle incident detection at intersection, Sameer Suregaonkar, S Denis Ashok, Vinod Karar, Shashi Poddar, 2017 Third International Conference on Science Technology Engineering & Management (ICONSTEM), Pages 100-105.
- 25. A review on control system architecture of a SI engine management system, B Ashok, S Denis Ashok, C Ramesh Kumar, Annual Reviews in Control, Volume 41, Pages 94-118, 2016.
- 26. Neural Network Based Approach for the Generation of Road Feel in a Steer-By-Wire System, Jayachandran Jayachandran, Denis Ashok, Engineering Journal, Volume 20, Issue 5, Pages 49-66, 2016.