

Dr. S. Denis Ashok

Professor, School of Mechanical Engineering, Department of Design and Automation,
Vellore Institute of Technology University, Vellore-632014, Tamil Nadu, India.

Email: denisashok @ vit.ac.in

Mobile: +919444868585

RESEARCH PUBLICATIONS-INTERNATIONAL JOURNALS

1. Kavitha C, **Ashok SD**. A New Approach to Spindle Radial Error Evaluation Using a Machine Vision System. *Metrology and Measurement Systems*. 2017 Mar 1;24(1):201-19.
2. Manish R, **Ashok SD**. Energy-Efficient Illumination Control Using Image Parameters in a Machine Vision Environment for Optimum Surface Texture Identification. *InAdvances in Systems, Control and Automation 2018* (pp. 165-179). Springer, Singapore.
3. Ramesh S, **Ashok SD**, Naulakha NK, Adithyakumar CR, Reddy ML, Reddy SK. Energy Efficient Hydraulic Clamping System using Variable Frequency Drive in a CNC Machine. *InIOP Conference Series: Materials Science and Engineering 2018 Jun* (Vol. 376, No. 1, p. 012124). IOP Publishing.
4. Kavitha C, Shankar SA, Ashok B, **Ashok SD**, Ahmed H, Kaisan MU. Adaptive suspension strategy for a double wishbone suspension through camber and toe optimization. *Engineering science and technology, an international journal*. 2018 Feb 1;21(1):149-58.
5. Ramesh S, **Ashok SD**, Nagaraj S, Reddy ML, Naulakha NK, Adithyakumar CR. Energy conservation strategy in Hydraulic Power Packs using Variable Frequency Drive IOP Conference Series: Materials Science and Engineering. *InIOP Conference Series: Materials Science and Engineering 2018 Feb* (Vol. 310, No. 1, p. 012041). IOP Publishing.
6. Ramesh S, **Ashok SD**, Nagaraj S, Adithyakumar CR, Reddy ML, Naulakha NK. Design of An Energy Efficient Hydraulic Regenerative circuit. *InIOP Conference Series: Materials Science and Engineering 2018 Feb* (Vol. 310, No. 1, p. 012042). IOP Publishing.
7. Banerjee N, Kumar A, Mohan N, Ashok B, Kavitha C, **Ashok SD**. Estimation of position of electromechanical actuator valve using Kalman filter. *InPower and Advanced Computing Technologies (i-PACT), 2017 Innovations in 2017 Apr 21* (pp. 1-6). IEEE.
8. Kavitha C, Shankar SA, Karthika K, Ashok B, **Ashok SD**. Active camber and toe control strategy for the double wishbone suspension system. *Journal of King Saud University-Engineering Sciences*. 2018 Jan 31.
9. Ramesh S, **Ashok SD**, Nagaraj S, Adithyakumar CR, Reddy ML, Naulakha NK. Design of An Energy Efficient Hydraulic Regenerative circuit. *InIOP Conference Series: Materials Science and Engineering 2018 Feb* (Vol. 310, No. 1, p. 012042). IOP Publishing.
10. Kavitha C, Shankar SA, Ashok B, **Ashok SD**, Ahmed H, Kaisan MU. Adaptive suspension strategy for a double wishbone suspension through camber and toe

optimization. Engineering science and technology, an international journal. 2018 Feb 1;21(1):149-58.

11. B Ashok, **S Denis Ashok**, C Ramesh Kumar, Trends and future perspectives of electronic throttle control system in a spark ignition engine, Annual Reviews in Control, Volume 44, 2017, Pages 97-115.
12. K Nantha Gopal, B Ashok, K Senthil Kumar, R Thundil Karuppa Raj, **S Denis Ashok**, Vignesh Varatharajan, Vivek Anand, Performance analysis and emissions profile of cottonseed oil biodiesel–ethanol blends in a CI engine, Pages 1-8 , Journal of Bio fuels, 2017
13. Kanish T C, Narayanan S, Kuppan P , **Denis Ashok S (2017)** Investigations on the finishing forces in Magnetic Field Assisted Abrasive Finishing of SS316L, Procedia Engineering 174 (2017) 611 – 620
14. Ashok B., **Denis Ashok S.**, Ramesh Kumar C. **(2017)** An Integrated Pedal Follower and Torque Based Approach for Electronic Throttle Control in a Motorcycle Engine, Engineering Journal, Vol.21, No:1, ISSN:0125-8281
15. R.Jayachandran, **S.Denis Ashok (2016)** Neural network based approach for the generation of road feel in a steer by wire system, Engineering Journal, Vol.20, No:5, ISSN:0125-8281
16. B Ashok, **S Denis Ashok**, C Ramesh Kumar (2016) A review on control system architecture of a SI engine management system, Annual Reviews in Control, Vol.41, 94-118.
17. Abhijith, V., Antony Richard, M., Ravi, R., **Denis, Ashok, S.**, Ashok, M. **(2015)**. Fuzzy Logic Based Fuel Flow Control System in a Dual-Fuel Diesel Engine. Indian Journal of Science and Technology, Vol.8 (S2), 96-100
18. B. Ashok, **S. Denis Ashok**, C. Ramesh Kumar **(2015)** LPG diesel dual fuel engine – A critical review, Alexandria Engineering journal, Volume 54, Issue 2, June 2015, Pages 105–126

Supervisor

Director / Head of the Center