

V. Elango

Professor

Contact Information

Official No. : 044-43923048 (Extn)

Personal No.: 9444888867

Educational Qualification

M.E. Production Engineering

Ph.D

In Easwari

Since 16 April 2009

Professional Experience

Has 28 years of teaching experience in handling undergraduate and postgraduate students.

Research Interest

Research areas include Machine vision, Machining, Robotics.

Publications

INTERNATIONAL JOURNAL

1. **Elango V.**, Karunamoorthy L. (2007), 'Effect of lighting conditions in the study of surface roughness by machine vision – an experimental design approach', available online in the International Journal of Advanced Manufacturing Technology, Vol. 37, pp.92-103.
2. S.Jaichandar, K.Annamalai, **V.Elango**, P.Arikaran and V. Antony Aroul Raj (2014), 'Effects of varying the compression ratio on the performance of a biodiesel fuelled diesel engine', International Journal of Automotive Engineering and Technologies Vol. 3, Issue 3, pp. 103 – 110.
3. Shai Sundaram V.S, **V.Elango**, E.Devandiran, S.Sabeesh Kumar, S.Sharun Kutty and S.Sujith (2015), 'Waste Heat as an Alternate Source for Electricity' available online in the International Journal of Current Engineering and Technology, Vol.5, No.5 -Oct 2015

NATIONAL JOURNAL

1. **Elango V.**, Karunamoorthy L. (2007), 'Application of filtering technique in the estimation of surface roughness by machine vision'- Manufacturing Technology and Management – Journal of Indian Institute of Production Engineers, Vol.1, Issue 1, pp.3-7.



INTERNATIONAL CONFERENCES

1. Uma Makeshwaraa N., Karunamoorthy L., **Elango V.** and Arumaikkannu G. (2005), 'Software development for surface roughness measurement using image processing technique'- International conference on Emerging Technologies in Intelligent system and Control EISCO 2005, 5-7 January 2005, Kumaraguru College of Technology, Coimbatore – 641 006.
2. **Elango V.**, Karunamoorthy L. and Sarma P.M.M.S. (2005), 'Role of machine vision based texture parameters in predicting surface finish using ANN and design of experiments' - International Conference on Materials, Product Design and Manufacturing systems, ICMPM 2005, 12-14 December 2005, Bannari Amman Institute of Technology, Sathyamangalam.
3. **Elango V.** and Karunamoorthy L. (2006), 'Role of edge operators in the estimation of surface roughness using machine vision' - International conference on Advances in Material Processing and Characterisation - AMPC 2006, 28-30 August 2006, Anna University, Chennai – 600025.
4. **Elango V.** and Karunamoorthy L. (2007), 'Modeling the lighting conditions for the estimation of surface roughness by machine vision using design of experiments' – 9th International symposium on measurement and quality control - (9th ISMQC), November 21–24, 2007, IIT Madras, Chennai – 600 036.
5. **Elango V.** and Karunamoorthy L. (2007), 'A study on the influence of lighting parameters on brass surfaces in machine vision using Taquchi's technique' – International conference on Emerging Challenges in Design and Manufacturing Technologies - ECHDEM 2007, November 28 – 30, 2007, Sathyabama University, Chennai – 600 119.

NAIONAL CONFERENCES

1. **Elango V.**, Karunamoorthy L. and Ramalingam P. (2005), 'Machine vision assisted estimation of surface roughness' - National Conference on Competitive Manufacturing Technology and Management for Global Marketing – CMTM 2005, 7-8 January 2005, BSA Abdur Rahman Crescent Engineering College, Chennai – 600 048.
2. **Elango V.**, Karunamoorthy L. and Sarma P.M.M.S. (2005), 'Non contact inspection of surface roughness by machine vision and neural network' - National Conference on Globally Competitive Eco-friendly Technologies in Mechanical Engineering - GETME 2005, 15-16 April 2005, Kongu Engineering College, Perundurai, Erode – 638 052.
3. **Elango V.** and Karunamoorthy L. (2005), 'Neural network assisted machine vision technique for non-contact surface finish testing' - National Seminar on Non-destructive Testing and Evaluation - NDE 2005, 2-4 December 2005, Indian Society for Non-destructive Testing, Kolkata.
4. Vivekanandhan A., **Elango V.** and Karunamoorthy L. (2006). 'Surface roughness evaluation using machine vision technique' - National Conference on Recent advances in Manufacturing Technology - RAMT'06, 3 February 2006, Velammal Engineering College, Chennai – 66.
5. Nivas K.V., Prashanth M., Praveen A.P., Sarath P.S., Dr. **Elango V.**(2014), 'Automated Inspection system using MatLab' – National Conference on Advancement and Recent Innovation in Mechanical Engineering – ARIME'14, 11 April 2014, Easwari Engineering College, Chennai 89.
6. Rajkumar R., Sravan Rajendran, Sathiyaraj P., Sasikumar P. Dr. **V.Elango** (2014), 'Prediction of surface roughness using wavelet analysis' – National Conference on Advancement and Recent Innovation in Mechanical Engineering – ARIME'14, 11 April 2014, Easwari Engineering College, Chennai 89.