

## BRIEF CV



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**Areas of interest:**

Active Vibration Control, Structural Dynamics, Robotics and Automation, Manufacturing Systems.



### Academic Qualification:

M.Sc. (Robotics), Universiti Putra Malaysia (2002)

B.Eng. (Mechanical & Systems), Universiti Pertanian Malaysia (1996)

### Professional Qualification/ Membership/ Affiliation:

Professional Engineer, Board of Engineers Malaysia (BEM)

Corporate Member, Institute of Engineers Malaysia (MIEM)

### Appointments:

2008 – date Senior Lecturer, Department of Mechanical and Manufacturing Engineering, Faculty of Engineering, UPM

2002 – 2008 Lecturer, Department of Mechanical and Manufacturing Engineering, Faculty of Engineering, UPM

### Area of interests :

1. Active Vibration Control
2. Structural Dynamics
3. Robotics & Automation
4. Manufacturing Systems

### Research Topics (Project Leader);

1. Development of Integrated Intelligent Motion Control System for Flexible Manufacturing Cell. PLB 2006, 2006-2007. RM10,000.
2. Design and Modeling a Data-Driven Motion Control for Industrial Robot, FRGS 2007, 2007-2009. RM60,000.

### Student Supervision

### Research Products/ patent:

## **Publications:**

1. Omid Motlagh, Tang Sai Hong, Napsiah Ismail, Abdul Rahman Ramli and Razali Samin, A New Path Estimation Strategy for Predicting Blind Persons' Motion in Indoor Environments, *Journal of Asian Architecture and Building Engineering*, Vol.8, No.2, November 2009, pp.371-377.
2. S. Sulaiman, M. Sayuti and R. Samin. Mechanical Properties of the as-cast Quartz Particulate Reinforced LM6 Alloy Matrix Composites, *Journal of Materials Processing Technology* 201 (2008) 731-735.
3. O. Motlagh, T.S. Hong, N. Ismail, A.R. Ramli & R. Samin, A Novel Approach to Human Motion Estimation with Applications in Human-Robot Safety, *International Journal of Engineering and Technology*, Vol. 5, No. 2, 2008, pp. 129-137.
4. S. H. Tang, Y. J. Tan, S. M. Sapuan, S. Sulaiman, N. Ismail & R. Samin, The Use of Taguchi Method in the Design of Plastic Injection Mould for Reducing Warpage, *Journal of Materials Processing Technology*, 182 (2007), 418-426.
5. S. H. Tang, Y. M. Kong, S. M. Sapuan, R. Samin & S. Sulaiman, Design and Thermal Analysis of Plastic Injection Mould, *Journal of Materials Processing Technology*, 171 (2006), 259 – 267.
6. W.C.K Steven, M. Daud, N.M. Adam, S.M. Sapuan, R. Samin and N. Ismail. A study on particulate and black smoke emissions from palm oil mill boilers in Sarawak, Malaysia. *Journal of Ecobiology* 2005.

## **Awards & Recognitions:**

1. National Robot Competition, ROBOCON 2005: 3rd. Prize Award
2. National Robot Competition, ROBOCON 2005: Good Idea Category Award
3. National Robot Competition, ROBOCON 2005: Design Category Award
4. Excellent Service, Faculty of Engineering, Universiti Putra Malaysia, 2005
5. Excellent Service, Faculty of Engineering, Universiti Putra Malaysia, 2006
6. Excellent Teaching, Faculty of Engineering, Universiti Putra Malaysia, 2007.

## **Professional Training Attended**

1. Best Practices in Fan System Design for High Performance Green Building – Efficiency, Noise & Vibration, organized by The Institution of Engineers Malaysia, Petaling Jaya, Malaysia, 29 May 2012.
2. Basic of Structural Dynamics, organized by LMS Engineering Innovation, Coventry, UK, 26 July 2011.
3. Design and Modernization of Vertical Transportation Systems, OTIS Elevator, organized by The Institution of Engineers Malaysia, Petaling Jaya, Malaysia, 29 May 2007.
4. Internal Auditor Trainee 1/2005, organized by Faculty of Engineering, UPM. 16-18 May 2005.
5. Internal Audit Course Series 1, organized by Faculty of Engineering, UPM, 3-4 May 2005.
6. Towards Successful Research, Professional Advancement Centre (PACE) and Research Management Centre (RMC), UPM Serdang, 7-8 September 2004.
7. Automatic Storage and Retrieval System (ASRS), and Telelift, Thyssen, organized by C. Haushahn Automations System GmbH, Illingen and Stuttgart, Germany. 15-25 June 1997.