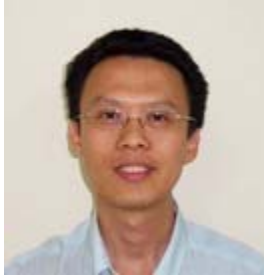


BRIEF CV



Dr. Tang Sai Hong

Department of Mechanical and Manufacturing Engineering, Universiti Putra Malaysia
43400 UPM, Serdang MALAYSIA
Tel : 03-89466332
E-mail : saihong@eng.upm.edu.my



Areas of interest: Mechanical Engineering, Engineering Education

Academic Qualification:

- Ph.D., Dublin City University, Ireland (Mechanical Engineering)
- Bachelor of Engineering in Mechanical and System (Honours) Universiti Pertanian Malaysia

Professional Qualification/ Membership/ Affiliation:

- Graduate Member, Board of Engineers of Malaysia

Appointments:

Sep. 2000 to date	Senior Lecturer, Mechanical and Manufacturing Engineering Department, Faculty of Engineering, UPM
Apr. 1997 – Sep. 2000	Tutor, Mechanical and Manufacturing Engineering Department, Faculty of Engineering, UPM
Nov. 2005 – Oct. 2006	Research Associate, Agricultural and Food Mechanisation and Automation Centre (AGROMAC), Universiti Putra Malaysia
Feb. - Mar. 2005	Technical Research Committee Member, Industrial Training, National Higher Education Research Institute, Universiti Sains Malaysia
1 Apr. 2003 to date	Research Associate, Intelligent Systems and Robotics Laboratory, Institute of Advanced Technology (ITMA), Universiti Putra Malaysia

Areas of Interest:

Mechanical Engineering, Engineering Education

Research Topics (Project Leader);

Year	Topic/ Sponsor	Amount (RM)
2003 - 2006	Characterization, Optimization and Simplification of Computer-Controlled Robotic Systems, Ministry of Science, Technology & Innovation(MOSTI)	RM142.5K,
2001 – 2002	Data Base Development of a Computer-Aided Industrial Robot Selection System, UPM	RM10,000,
1997 – 2000	Rapid Prototyping using a Precision Robotic Manipulator, UPM & Dublin City University	

1994 – 1995	Gating System Design in Sand Casting, SIRIM	
-------------	---	--

Publications:

Journals

1.	Wong Su Luan, Kamariah Abu Bakar, Ramlah Hamzah, Rohani Tarmizi & Tang Sai Hong. (2003) Assessing IT preparedness among pre-service teachers at Universiti Putra Malaysia. <i>Jurnal Teknologi</i> , 38(E), 1-14.
2.	Wong Su Luan, Habibah Ab Jalil, Ahmad Fauzi Mohd Ayub, Kamariah Abu Bakar & Tang Sai Hong. (2003). Teaching a Discrete Information Technology (IT) Course in a Constructivist Learning Environment: Is it effective for Malaysian Pre-Service Teachers? <i>The Internet and Higher Education</i> , 6(2), 193-204. (Elsevier Publication; Indexed in: ERIC, Scopus)
3.	Wong Su Luan, Kamariah Abu Bakar & Tang Sai Hong. (2003). Differences in anxiety between IT competent and incompetent Malaysian pre-service teachers: Can a discrete IT course taught in a constructivist learning environment solve this problem? <i>Turkish Online Journal of Educational Technology</i> , 2(4). Available online: http://www.tojet.net/articles/244.htm (Indexed in: ERIC, Australian Education Index, British Education Index)
4.	Tang Sai Hong, Wong Su Luan, Paul Young, Shamsuddin Sulaiman & M. S. J. Hashmi. Hardware Design and Interfacing of a Robot Assisted Subtractive Prototyping System. <i>Jurnal Teknologi</i> , 40(A), 33-50, 2004.
5.	Tang Sai Hong, Wong Su Luan, Paul Young, Shamsuddin Sulaiman & M. S. J. Hashmi. Computer-Aided Design in Subtractive and Additive Prototyping. <i>Pertanika Journal of Science & Technology</i> , 12(2): 127 - 137, 2004.
6.	Wong Su Luan, Ng Siew Fung, Mokhtar Nawawi & Tang Sai Hong. (2005). Experienced and inexperienced Internet users among pre-service teachers: Their use and attitudes toward the Internet. <i>Journal of Educational Technology & Society</i> , 8(1), 90-103. (Indexed in: <i>Social Science Citation Index</i>)
7.	S.M. Sapuan, K.H. Cheng, S.H. Tang and F. Abas, Total Design and Fabrication of a Cost Effective Portable Decontamination Shower, <i>Journal of Industrial Technology</i> , Vol 14 (1), 2005, 77 – 88.
8.	S. H. Tang, Y. M. Kong, S. M. Sapuan, R. Samin & S. Sulaiman, Design and Thermal Analysis of Plastic Injection Mould, <i>Journal of Materials Processing Technology</i> , 171 (2006), 259 – 267. (Listed in International Science Citation Index, impact factor = 0.45)
9.	Wong Su Luan, Kamariah Abu Bakar & Tang Sai Hong (2006). Using a Student Centred Learning (SCL) Approach to Teach a Discrete Information Technology (IT) Course: The effects on Malaysian pre-service teachers' attitudes toward IT? <i>Technology, Pedagogy and Education</i> . 15(2), 223-238. (Routledge, Taylor and Francis Publisher, Indexed in: British Education Index)
10.	Sai Hong Tang, Su Luan Wong, Pei Yee See Tho & Hanafi Atan (2006). Employers' Perceptions and Expectations of Malaysian Engineering Graduates in the Workforce - A Preliminary Study. <i>International Journal of Learning</i> , Volume 12, Number 8.
11.	S. M. Jafari, M. R. Osman, R. M. Yusuff & S. H. Tang, ERP Systems

	Implementation in Malaysia: The Importance of Critical Success Factors, <i>International Journal of Engineering and Technology</i> , Vol. 3, No. 1, 2006, pp. 125 – 131.
12.	M. R. Vasili, S. H. Tang, S. M. Homayouni, & N. Ismail, Comparison of Different Dwell Point Policies for Split-Platform Automated Storage and Retrieval System, <i>International Journal of Engineering and Technology</i> , Vol. 3, No. 1, 2006, pp. 91 – 106.
13.	S. M. Jafari, M. R. Osman, R. M. Yusuff & S. H. Tang, A Consensus on Critical Success Factors for Enterprise Resource Planning Systems Implementation: The Experience of Malaysian Firms, <i>International Journal of Manufacturing Technology and Management</i> (in press).
14.	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, <i>Journal of Materials Processing Technology</i> . (in press) (Listed in International Science Citation Index, impact factor = 0.45)
15.	R. Samin, N. Ismail & S. H. Tang, Complexity of Tasks for Robot Industry using Trajectories under Velocity, Acceleration and Jerk Constraints, <i>Journal of Manufacturing Systems</i> . (in press, (Listed in ISI) Impact factor = 0.253)

Awards & Recognitions:

1. Best Design Award, Robocon KL 2005
2. Best Idea Award, Robocon KL 2005
3. Second Runner Up Award, Robocon KL 2005
4. Excellent Service Certificate, Faculty of Engineering, University Putra Malaysia, 2005
5. Best Final Year Project of 2003/2004 – Kong Yong Meng, *Mould Design and Analysis*.
6. Excellent Service Certificate, Faculty of Engineering, University Putra Malaysia, 2004
7. Excellent Service Certificate, Faculty of Engineering, University Putra Malaysia, 2003

Professional Training Attended

1. Workshop on Learning Outcomes Initiative 2, organized by Centre for Academic Development (CADE), Universiti Putra Malaysia, 28-29 Mar. 2006
2. Workshop on Learning Outcome Initiative I, organized by Centre for Academic Development (CADE), Universiti Putra Malaysia, 21-22 Feb. 2006
3. Competency Level Assessment Course (PTK 4), organised by the Training Unit, Registrar, Universiti Putra Malaysia, 6 – 14 Jun. 2005, Result (on 18 Nov. 2005): Excellent (Level IV)
4. Route to Professional Engineer, organized by UPM's Registrar Office with the cooperation from Engineering Faculty, Professional Advancement Centre and Institution of Engineers Malaysia (IEM), Palm Garden Hotel, Putrajaya, 11 – 13 Apr. 2005
5. Intelligent Control with Practical Application using MATLAB, organized by TEKBAK Australia Pty. Ltd., held at Royale Bintang, Kuala Lumpur, 28 – 29 Mar. 2005

6. Statasys Vantage SE Rapid Prototyping Course on Polycarbonate and ABS Waterworks Applications, Insight Software and Maintenance Operations, organized by Siber Hegner (M) Sdn. Bhd., held at the Institute of Advanced Technology, Universiti Putra Malaysia, 29 Nov – 3 Dec. 2004
7. Internal Audit of MS ISO 9001 : 2000, organized by the Faculty of Engineering, Universiti Putra Malaysia, 7 Apr.2004
8. Competency Level Assessment Course (PTK 3), organized by the Training Unit, Registrar, Universiti Putra Malaysia, 27 Oct. – 7 Nov. 2003, Result (on 25 May 2005): Excellent (Level IV)
9. Evolutionary Robotics: the Biology, Intelligence and Technology of Self-Organizing Machines, organized by TEKBAK Australia Pty. Ltd., held at Novotel Century Kuala Lumpur, 29 – 30 Oct. 2002
10. ISO 9001 : 2000, Introduction and Documenting the Quality Management System, organized by SIRIM Training Services Sdn. Bhd., held at Palm Garden Resort, Putrajaya, 1 & 3 – 4 Apr. 2002
11. ABB Robotics Training, organized by Robotics University of ABB, held at ABB Malaysia Sdn. Bhd., Subang Jaya, 29 Jan. 2002
12. E-Sprint Online Learning Course, organised by the Institute of Multimedia and Software, Universiti Putra Malaysia, 9 – 10 Jan. 2002
13. Internal Quality Audit of ISO 9001 : 2000, organized by the Faculty of Engineering, Universiti Putra Malaysia, 25 – 26 Feb. 2002
14. ISO 9001 : 2000 Awareness Training, organized by the Faculty of Engineering, Universiti Putra Malaysia, 8 Dec. 2001
15. Induction Course, organised by the Training Unit, Registrar, Universiti Putra Malaysia, 2 – 19 Oct. 2001Result (on 26 Dec. 2001): Pass
16. ISO 9001 : 1994 Awareness Training, organized by the Faculty of Engineering, Universiti Putra Malaysia, 17 Aug. 2001
17. Teaching Methodology Course, organised by the Faculty of Educational Studies, Universiti Putra Malaysia, 16 – 18 Oct. 2000