

## BRIEF CV



### Ir. Hj. Mohd Rasid Osman

Department of Mechanical and Manufacturing Engineering, Universiti Putra Malaysia  
43400 UPM, Serdang MALAYSIA  
Tel : 603-89466343/6335/6281  
Fax : 603-86567122/7359  
E-mail : rasid@eng.upm.edu.my



**Areas of interest:** Manufacturing System Engineering: Systems Design - Layout, Planning, Management, Control, Cellular Manufacturing, Safety

### Academic Qualification:

- MSc Engineering Production and Management (Industrial Management Option), University of Birmingham, UK
- P.G.C.E , Technical Teachers' Training College, Kuala Lumpur
- BSc(Hons) Mechanical Engineering, University of Sussex, United Kingdom

### Professional Qualification/ Membership/ Affiliation:

- Corporate Member, Institution of Engineers Malaysia (2001) ó No: M11116
- Member, Board of Engineers Malaysia (P.Eng ó 2001) ó No: 10900

### Appointments:

December 1987 to Date	Lecturer, Mechanical & Manufacturing of Department, Faculty of Engineering, UPM
March 1986 to November 1987	Tutor, Mechanical & Manufacturing of Department , Faculty of Engineering, UPM

### Areas of Interest:

Manufacturing System Engineering: Systems Design - Layout, Planning, Management, Control, Cellular Manufacturing, Safety

### Research Topics (Project Leader);

Year	Topic/ Sponsor	Amount (RM)
	Intelligent Production Planning and Control for Manufacturing Cell. Fund: UPM- <b>Head of Research</b> Output: 4 (refer Publications and Studentsø Supervision)	<b>RM10,000</b>
	An Expert System Design of a Manufacturing Cell Control System. Fund: UPM- <b>Head of Research</b> Output: 10 (refer Publications and Studentsø Supervision)	<b>RM10,000</b>

	An Application of Quality Function Deployment (QFD) on a Knapsack Sprayer Fund: UPM - <b>Head of Research</b> Output: 5 (refer Publications and StudentsøSupervision)	<b>RM10,000</b>
	Fluid Mechanics Research Fund: UPM - <b>Head of Research</b> Output: 3 (refer Publications and StudentsøSupervision)	<b>RM1,000)</b>
	Study of the implementation of automation technologies in manufacturing companies Fund: UPM - <b>Head of Research</b> Output: 8 (refer Publications and StudentsøSupervision)	<b>RM 3,500</b>
	Study on ISO9000 Implementation and Certification and Quality Issues Fund: UPMó <b>Head of Research</b> Output: 6 (refer Publications and StudentsøSupervision)	<b>RM3,500</b>
	Application of Cellular Manufacturing Techniques in Manufacturing Companies, Fund: UPM - <b>Head of Research</b> Output: 6 (refer Publications and StudentsøSupervision)	<b>RM10,000</b>
	Critical Success Factors for ISO 9000 Implementation Fund: UPM <b>Head of Research</b> Output: 6 (refer Publications and StudentsøSupervision)	<b>RM10,000</b>
	Study On Critical Successful Factors For Implementing ISO9000 And Total Quality Management (TQM) In Manufacturing Companies Fund: UPM <b>Head of Research</b> Output: 6 (refer Publications and StudentsøSupervision)	<b>RM10,000</b>

### Publications:

1. C.F.Tan, N.Ismail,S.V.Wong, S.Sulaiman & **M.R.Osman**.2006.Development of step Hole Recognition System For Computer Aided Process Planning. Jurnal Teknologi,43(A):73-86
2. T.C Fai, S.A Shamsuddin, M.H Shafie, **M.R.Osman**, 2006, The Effect of Inner Diaphragms and Continuous Sill Section on the Stiffness of Automotive B-Pillar *International Journal of Engineering and Technology*, 3(1):68-78
3. S.M.Jafari.**M.R.Osman**, R.M.Yusuff and S.H.Tang. 2006. ERP Systems Implementation in Malaysia: The Importance of Critical Succes Factors. *International Journal of Engineering and Technology*, 3(1):125-131.
4. S.S.S.Imihezri,S.M.Sapuan, S.Sulaiman, M.M.Hamdan, E.S.Zainuddin, **M.R.Osman**, M.Z.A. Rahman, Mould flow and component design analysis of polymeric based composite automotive clutch pedals, Journal of Material Processing Technology 171 (2006) 358-365.
5. S.M.Sapuan, **M.R.Osman** and Y.Nukman, State o f the art of concurrent engineering technique in the automotive industry, Journal of Engineering Design, Vol. 17, No.2, April 2005,143ô 157.

6. **M.R.Osman**, N.Ismail, M.R.M.Zaihiriain, R.M.Yususff, S.M.Sapuan and M.M.H.M. Ahmad, Sheet Metal Fabrication using Selective Measure and Priority Dispatching Rules, *International Journal of Engineering and Technology*, Vol 1, No. 1 2004, pp 74-83
7. **M.R.Osman**, M.Y.Rosnah N.Ismail, R.Tapsir, M.I.Sarimin, Internal Customer Satisfaction in ISO9001 Certified Manufacturing Companies, *International Journal of Engineering and Technology*, Vol 1, No. 2 2004, pp 179-187
8. N.Ismail, **M.R.Osman**, C.F.Tan, S.V.Wong and S.Sulaiman, Extraction of Cylindrical Features from Neutral Data Format for CAD/CAM Integration, *International Journal of Engineering and Technology*, Vol 1, No. 2 2004, pp 206-212
9. A.Ali, A.K. Ariffin, M.R.M. Zin, S.M. Sapuan, M.Y. Hassan and **M.R. Osman**, *Elastic plastic crack analysis by finite element method under mixed mode loading conditions*, *Suranaree Journal of Science and Technology*, Vol 11 No.2, April-June 2004, 91-96
10. Tan Wai Han, Che Rosmani Che Hassan, **Mohd. Rasid Osman** and Stephen Ambu, *Healthy Workplace Concept : A Case Study on its Implementation in Malaysia*, *Malaysian Journal of Science*, Vol 23, Special Edition, 235-243
11. M.Y.Rosnah, M.M.H.Megat Ahmad and **M.R.Osman**, Barriers to Advanced Manufacturing Technologies Implementation in the Small and Medium Scales Industries of a Developing Country, *International Journal of Engineering and Technology*, Vol 1, No. 1 2004, pp 39-46
12. Rosnah M. Yusuff, **M. R. Osman** and M. S. J. Hashmi "A Simulation Study on the Applications of Just-In-Time (JIT) Techniques and Cellular Manufacturing Concepts in a Small and Medium Scale Industry (SMI)", *International Journal of Flexible Automation and Integrated Manufacturing*, Volume 5 (1&2), 1997, page 105-122
13. M.Y.Ismail, **M.R.Osman**, M.M.Hamdan and M.Y.Hassan, "When to implement benchmarking?", *Malaysian Institute of Management Bulletin*. Vol 35, No. 1, June 2000, page 59-63
14. S.M.Sapuan and **M.R.Osman**, "Polymeric-Based Composite Air Intake Manifold,: A Concurrent Engineering Approach" *Journal of the Institution of Engineers, Bangladesh*. Volume .ME27, Nos 1&2, 1999, page 39-49
15. **M.R Osman**, Rosnah Mohd. Yusuff, M. M. Hamdan and C. Y Chew "Employees' Reactions and Factors in the Implementation of ISO 9000 In Manufacturing Companies" *Pertanika J of Science and Technology*, Supplement Vol 9 (2), 2001, 199-207
16. W. K. Low, **M. R. Osman** and Rosnah Mohd Yusuff "A Comparative Study of Some Cellular Manufacturing Techniques" *Pertanika J of Science and Technology* Supplement Vol 9 (2), 2001, 187-198
17. S. Sulaiman, Hamouda, A.M.S, S. Abedin, and **M.R.Osman**. "Simulation of Die Filling Progress During Casting Process" *Journal of Materials Processing Technologies* 100, 2000, 224-229.
18. B.H.M. Sadeghi, R. Ali, B. Sahari, H. Jamaludin and **M.R.Osman**, "Off-line 3-D weld trajectory generation and torch orientation control for robotic welding" *Australasian Welding Journal*, Volume 42, Fourth Quarter, 1997, page 33 ó 39
19. S.M.Sapuan, N.Ismail and **M.R.Osman**, "Development of automotive components with injection moulded composites:integration of IT tool approach" *Journal of Industrial Technology*, **10**, no. 1, 2001, Published by SIRIM Press, Malaysia.

20. M.M.N. Megat Johari, A.A. Abang Abdullah, **M.R. Osman**, S.M. Sapuan, N. Mariun, S. Jaafar, H.Omar, A.H. Ghazali and M.Y. Rosnah, A new engineering education model for Malaysia, Accepted for publication in *International Journal of Engineering Education*, Published by Tempus Publication, Ireland, 2002 (Indexed in SCI).
21. S.M.Sapuan, **M.R.Osman** and Y.Nukman, State-of the-art of the concurrent engineering technique in automotive industry, *Journal of Engineering Design*, 2003(Listed in Aluminium abstracts, Ei Page One, Engineered Materials Abstracts, Metals Abstracts, Newsletter of the International Network of Engineering Design Researchers, Referativnyi Zhurnal, Research Alert and SciSearch).

### Books & Proceedings

1. **Mohd Rasid Osman**, et.al, Proceedings Seminar of Engineering and Technology, SET 2006, Palm Garden Hotel, Putrajaya, Malaysia
2. **Mohd Rasid Osman**, Megat Johari Megat Mohd Noor, Rahman Wagiran, Desa Ahmad, Mohd Saleh Jaafar, Abdul Ghani Liew Abdullah, Napsiah Ismail and Nor Kamariah Noordin *Sistem Pengurusan Kualiti Pendidikan Tinggi (PUTRA 3Q)*, Jilid III, Pengurusan untuk Penambahbaikan, UPM, 2005.
3. Rahman Wagiran, Megat Johari Megat Mohd Noor, **Mohd Rasid Osman**, Desa Ahmad, Mohd Saleh Jaafar, Abdul Ghani Liew Abdullah, Napsiah Ismail and Nor Kamariah Noordin *Sistem Pengurusan Kualiti Pendidikan Tinggi (PUTRA 3Q)*, Jilid I, Dokumen Mandatori Mengikut Standard MS ISO9001:2000, UPM, 2005.
4. Abdul Ghani Liew Abdullah, Megat Johari Megat Mohd Noor, **Mohd Rasid Osman**, Rahman Wagiran, Desa Ahamad, Mohd Saleh Jaafar, Napsiah Ismail and Nor Kamariah *Sistem Pengurusan Kualiti Pendidikan Tinggi (PUTRA 3Q)*, Jilid II, Perkhidmatan Berdasarkan Keperluan Pelanggan, UPM, 2005
5. Rahman Wagiran, Megat Johari Megat Johari Megat Mohd Noor, **Mohd Rasid Osman**, Abdul Ghani Liew Abdullah, Proceedings of the Seminar & Workshop on ISO9001 for Higher Education, 29-30<sup>th</sup> March 2004, City Bayview Hotel, Langkawi, ISBN 983-41705-0-5.
6. M.J.M.M.Noor, S.M. Sapuan, **M.R. Osman**, Z.M. Yusof and A.A.A. Ali, *Proceedings of the International Advanced Technology Forum*, Shah Alam, Selangor, 7-8 November 2000, Universiti Putra Malaysia (UPM) Press, ISBN 967-960-117-X.
7. **M.R. Osman** and S.M. Sapuan, *Proceedings of MechE Seminar*, Serdang, Selangor, Malaysia, 4 October 2001, Publication of Department of Mechanical and Manufacturing Engineering, Universiti Putra Malaysia.
8. M.M.N Megat Johari, **M.R.Osman**, A.H.Ghazali, editors, Proceedings of the World Day for Water 99 Seminar. MANCID
9. **M.R.Osman**, A.M.S.Hamouda, B.Sahari, M.S.Salit and M.M.Hamdan, editors Proceedings of International Conference on Mechanical and Manufacturing Engineering, World Engineering Congress, July 1999, UPM Press, ISBN No. 967-960-091-2.
10. Mohd Sapuan Salit, **M.R.Osman**, M.J.M.M.Noor, editors, *Summary of Global Engineering Education Models*, A One-Day Colloquium on the Malaysian Engineering Education Model for the next Millenium, August 1999, Putrajaya
11. S.M.Sapuan, **M.R.Osman**, M.M.N Megat Johari and D.Ahmad, editors, Proceedings of A Review of Engineering Curricula Workshop, 4-6 June 199, Malacca, UPM Press, ISBN No. 967-960-097-1.

12. Abdul Aziz Abdul Samad, Megat Johari Megat Mohd Noor, **Mohd Rasid Osman**, Rosnah Mohd Yusuff, editors Proceedings of International Conference on Global Challenges in Engineering Education- Role of Islamic Countries, July 1997

### **Published Proceeding**

1. M. Abdul Aziz, Rosnah M.Y, Megat Mohamad Hamdan, MM, **M.R., Osman**, A.Anuar. 2006. Measuring Best Manufacturing Practices in SMIs of Malaysia. *Proceeding of the 1st Int. Confernce & 7th AUN/SEED-Net Fieldwise Seminar on Manufacturing and Material Processing*.
2. Musli Muhammad, **Mohd Rasid Osman**, Rosnah Mohd Yusuff and Napsiah Ismail. 2006. Strategies for Implementing Integrated Management System: The Experiences of three Companies. *11<sup>th</sup> World Congress for TQM*, Wellington, New Zealand.
3. S.M.Jafari, **M.R.Osman**, M.Y.Rosnah, S.H.Tang. 2006. ERP System Implementaion Success Measures: The Experience of Malaysian Firms. *Proceedings of International Conference on Science and Technology (ICSTIE 2006)*, Penang, Malaysia
4. S.M.Jafari, **M.R.Osman**, R.M.Yusuff and S.H.Tang. 2006. ERP System Implementation in Malaysia: The Importance of Critical Success Factors. *FEIIC Seminar on Engineering and Technology*, Palm Garden Hotel, Putrajaya, Malaysia, pp.193-199.
5. S.M.Jafari, **M.R.Osman**, R.M.Yusuff, S.H.Tang. 2006. Enterprise Resource Planning System Implementation:A Consensus on CSFs. *Proceedings Of ICOMAST 2006 International Conference On Manufacturing Science And Technology*, Melaka, Malaysia,pp.522-525
6. Musli Mohammad, **Mohd Rasid Osman**, Rosnah Mohd Yusuff and Napsiah Ismail ÷ Strategies and Critical Succes factors for Integrated Management System Implementationö Proceedings of the 35<sup>th</sup> International Conference on Computers and Industrial Engineering, June 19-22, 2005, Istanbul, Turkey.
7. Mohd Shahrizal Dola, Rosnah Mohd. Yusuff, Ahmad Rizal Abdul Rahman & **Mohd Rasid Osman**, 2005. Jointing System in Open Plan Office System. Internatioanl Advanced Technology Congress 2005. Meeting challenges in Globalization through Advanced Technology. 6-8 December, Putrajaya, Malaysia
8. S.S.Saaid, N.Ismail, W.S.Voon, S.Sulaiman & **M.R.Osman** ÷Pattern Matching Technique from B-Rep Modelö Proceeding of the Conference on Computer Integrated System (ConCIS2005) International Advanced Technology Congress, Putrajaya, 6-8 December 2005.
9. S.M. Sapuan, A.O. Addin, E. Mahdi, **M. R. Osman** and N. Ismail, A. Bayesian network approach for health monitoring system and feature selected method and laminated composite materials, Proceedings of the Conference on Intelligent Systems and Robotics 2005 (CISAR 2005), International Advance Technology Congress 2005 (ATCi 2005), 6-8 December 2005, Putrajaya, Malaysia.
10. **Mohd Rasid Osman** & Megat Johari Megat Mohd Noor, ISO9001:2000 For Higher Education, Seminar & Workshop on ISO9001 for Higher Education, 29-30<sup>th</sup> March 2004, City Bayview Hotel, Langkawi
11. **Mohd Rasid Osman**, Rahman Wagiran & Abdul Ghani Liew Abdullah, Implementation Of ISO9001 In Teaching And Learning Activities Seminar & Workshop on ISO9001 for Higher Education, 29-30<sup>th</sup> March 2004, City Bayview Hotel, Langkawi
12. M. Awang, **M. R. Osman**, S.M. Sapuan, A. Asmadi and M. Fadhli, Application of Statistical Analysis to A Product Assessment, Proceedings of International Conference on Mathematics and Its Application, Yogyakarta, Indonesia. July 14-17, 2003, pp. 131.

13. Megat Johari Megat Mohd Noor, Abang Abdullah Abang Ali, **Mohd Rasid Osman**, Mohd Saleh Jaafar, Nor Kamariah Noordin, Rosnah Mohd Yusuf, Napsiah Ismail, Norman mariun, Sulaiman Hasan *Malaysian Engineering Technology Education – Complementary to the Scientific Route* In Proc. 21<sup>st</sup> CAFEO: ASEAN Engineering Network for Enhancing ASEAN Self Supporting Technology and Industry. Yokyakarta, Indonesia
14. Tan Chee Fai, **Mohd Rasid Osman**, Megat Johari Megat Mohd Noor, Napsiah Ismail *Issues and Challenges of ASEAN Technology Transfer..* In Proc. 21<sup>st</sup> CAFEO: ASEAN Engineering Network for Enhancing ASEAN Self Supporting Technology and Industry. Yokyakarta, Indonesia.
15. Tan Wai Han, Che Rosmani Che Hassan, **Mohd. Rasid Osman** and Stephen Ambu, Healthy Workplace Concept: A Case Study on its Implementation in Malaysia, International Conference on Environmental Management and Technology, August 2003, Putrajaya
16. Che Rosmani Che Hassan, Leong Kok Hoong, and **Mohd. Rasid Osman**, Survey on Laboratory Safety Aspects in Medical Laboratories in Malaysia, Buletin Jurutera, IEM, 2003
17. **M.R.Osman**, M Y Ismail, N Ismail, MY Rosnah, S M Sapaun, C F Tan, The Study of the Effects of the Implementation of ISO9001:2000 in Manufacturing Companies, Proceedings of the Third International Conference on Quality and Reliability, Melbourne, Australia
18. M.M.N. Megat Johari, **M.R.Osman**, N.K.Noordin. R.Wagiran, D.Ahmad, M.S.Jaafar, Z.M. Yusof, R.S.R. Sohadi, "Quality Assurance in Engineering Education through ISO9001 – An Experience", *Proceedings 2002 ASEE Annual Conference and Exposition*, Montreal, Canada
19. M.M.N. Megat Johari, A.A.A.Ali, **M.R.Osman**, M.S.sapaun, M.S.Jaafar, "Malaysian Engineering Education Model", *Proceedings 2002 ASEE Annual Conference and Exposition*, Montreal, Canada
20. **M.R.Osman**, M.J.Megat Mohd Noor, R. Wagiran, N.K.Noordin, D.Ahmad, H.Omar, R.U.Radin Sohadi, B.Sahari, "Putra 3Qs – Engineering Education Quality System", *Proceedings of the 2<sup>nd</sup> World Engineering Congress, Manufacturing Engineering, Automation and Robotics Conference , Kuching, Sarawak,*
21. **M.R.Osman**, M.Y.Ismail, N.Ismail, R.M.Yusuff, "A Comparative Study of ISO9000 and TQM Implementation" *Proceedings of the 2<sup>nd</sup> World Engineering Congress, Manufacturing Engineering, Automation and Robotics Conference , Kuching, Sarawak*
22. R. M.Yusuff, M.S.M.Amin, **M.R.Osman**, M.M.N.Megat Johari, "Aligning Industry Needs to the Engineering Curricular", *Proceedings of the 2<sup>nd</sup> World Engineering Congress, Manufacturing Engineering, Automation and Robotics Conference , Kuching, Sarawak*
23. Magdalene A.M, M.Y. Ismail, **M.R. Osman**, R. M. Yusuff, and M.M.H. Megat Ahmad, "Production Planning and Scheduling Practices: An Insight into the Malaysian Scenario" *Proceedings of the 2<sup>nd</sup> World Engineering Congress, Manufacturing Engineering, Automation and Robotics Conference , Kuching, Sarawak*
24. Magdalene A.M, M.Y. Ismail, **M.R. Osman**, R. M. Yusuff, and M.M.H. Megat Ahmad "Purchasing and Material Management Practices: An Insight into the Malaysian Scenario" *Proceedings of the 2<sup>nd</sup> World Engineering Congress, Manufacturing Engineering, Automation and Robotics Conference , Kuching, Sarawak*
25. Magdalene A.M, M.Y. Ismail, **M.R. Osman**, R. M. Yusuff, and M.M.H. Megat Ahmad, "Shop Floor Control Practices: An Insight into the Malaysian Scenario" *Proceedings of the 2<sup>nd</sup> World Engineering Congress, Manufacturing Engineering, Automation and Robotics Conference , Kuching, Sarawak*

26. M.Awang, **M.R.Osman**, S.M. Sapuan, M.Y. Ismail and R.M. Yusoff, "QFD:a technique to improve product manufacturing", *Proceedings of Brunei International Conference in Engineering Technology (BICET)*, Bandar Sri Begawan, Brunei, 9-11 October 2001, pp. 543-552, Published by Brunei Institute of Technology, ISBN 1681-0430.
27. M.J.M.M. Noor, A.A.A. Ali, **M.R. Osman**, S.M. Sapuan and M.S. Jaafar, "Malaysian engineering education model", *Proceedings of the 2001 ASEE/SEFI/TUB Colloquium*, Berlin, Germany, 15-18 September 2001, (Conference was cancelled but the paper was published in Web-based Proceedings).
28. M.Awang, **M.R.Osman**, S.M.Sapuan, M.Y.Ismail and M.Y.Rosnah (2000) "Application of Quality Function Deployment (QFD) to the Design Improvement of a Lever Operated Knapsack (LOK) Sprayer". Proceeding of the National Conference on Management Science/Operation Research, Penang, Malaysia November 20-21, p215-220.
29. M.M.N.Megat Johari, A.A.Aabang Abdullah, **M.R.Osman**, M.S.Sapuan, H.Omar, M.S.M.Amin, N.Ismail, R.K.Z.Sahbudin, D.Ahmad, F.Abas, "The Modeling of Civil Engineering 2000 Curriculum at Universiti Putra Malaysia According to the Malaysian Engineering Education Model", 6th Triennial AEESEAP,Conference in Bali, Indonesia, 23-25th August 2000.
30. C.S.Chong, M.M.H.Megat Ahmad, M.A.Hossain Mollah, F.Abas and **M.R.Osman**, "Failure Analysis of Gas Turbine Blades", ICAST 2000, Putrajaya
31. N.Ismail, N.Abu Bakar, A.H.Juri, **M.R.Osman**, "A Recognition Technique For Simple And Complex Hole Features", Regional Seminar on Quality and Automation, May 2000, USM, Penang,
32. M.A.Hossain Mollah, M.M.H.Megat Ahmad, **M.R.Osman**, "Prosepects of Environmentally Friendly System of Energy Generation in Malaysia", Proceedings of the 2<sup>nd</sup> International Seminar on Renewable Energy for Poverty Alleviation, 26-27 November 1999, Dhaka Bangladesh
33. **M.R Osman**, Rosnah Mohd. Yusuff, M. M. Hamdan and C. Y Chew "Employees' Reactions and Factors in the Implementation of ISO 9000 In Manufacturing Companies", World Engineering Congress, 1999, Kuala Lumpur
34. Y. C. Low, **M. R. Osman**, S. Sulaiman and N. Ismail "Investigation of the Need for Local Plastic Injection Molding (PIM) Robot", World Engineering Congress, 1999, Kuala Lumpur
35. F. K. Yap, **M. R. Osman**, W. K. Low and M. M. Hamdan "Development of MRP Software for a Plastic Injection Molding Company", World Engineering Congress, 1999, Kuala Lumpur
36. W. K. Low, **M. R. Osman** and Rosnah Mohd Yusuff "A Comparative Study of Some Cellular Manufacturing Techniques", World Engineering Congress, 1999, Kuala Lumpur
37. M. Awang, **M. R. Osman**, S. M. Sapuan and N. Ismail "Applications of QFD to Motorcycle and Knapsack Sprayer", World Engineering Congress, 1999, Kuala Lumpur
38. M. I. Yahya, **M. R. Osman**, and N. Ismail "The Integration of CMM, CAD/CAM and CNC Machine Tool - A Preliminary Investigation", World Engineering Congress, 1999, Kuala Lumpur
39. S. Sulaiman, **M. R. Osman** and Y. K. Chin "Design and Development of an Automated Orientation Detection System with Robot Arm and PLC Integration", World Engineering Congress, 1999, Kuala Lumpur
40. N. Ismail, N. Abu Bakar, **M. R Osman** and S.M. Sapuan "Feature Recognition Approach for Computer Aided Manufacturing", World Engineering Congress, 1999, Kuala Lumpur

41. Rosnah Mohd. Yusuff, Kok Poh Yee and **M. R. Osman** ðAnalytical Hierarchical Process (AHP) to Predict Advanced Manufacturing Technology (AMT) Implementationö World Engineering Congress, 1999, Kuala Lumpur
42. C. K. Ooi, M. M. H. Megat Ahmad, **M. R. Osman**, M. Y. Rosnah, S. Sulaiman and M. Y. Ismail ðThe Effectiveness of Managing Long Lead Time Parts by Family Orderingö World Engineering Congress, 1999, Kuala Lumpur
43. A. Gayretli, S. M. Sapuan, L. C. Hooi and **M. R. Osman** ðA Concurrent Engineering Design System for Polymeric- Based CompositeAutomotive Air Intake Manifoldö World Engineering Congress, 1999, Kuala Lumpur
44. M. A. Hossain Mollah, E. S. Sarder, M. M. H. Megat Ahmad and **M. R. Osman** ðOptimizing the Production Cost of Red Oxide from the Mill Scale : A Case Studyö World Engineering Congress, 1999, Kuala Lumpur
45. Hussaini Omar, Mohamed Daud, Norwati Mustapha, Zainuddin Md. Yusof, **M. R Osman** ð Geological Rating for D-Slopeö , World Engineering Congress, 1999, Kuala Lumpur.
46. **M.R.Osman**, "Engineering Education Review for Japan", Proceedings of A Review of Engineering Curricula Workshop, 4-6 June 199, Malacca,
47. **M.R.Osman**, "Engineering Education Review for Korea", Proceedings of A Review of Engineering Curricula Workshop, 4-6 June 199, Malacca,
48. S.Sulaiman, A.M.S.Hamouda, S.Abedin and **M.R.Osman** , ð Three-dimensional Finite Element Thermal Analysis of Die/Mould for Casting Industry Applicationsö, Advances in Materials and Processing Technologies International Conference, Kuala Lumpur August 1998
49. M.M.H. Megat Ahmad, **M.R.Osman** and D.T.Gethin, "Modelling of a Resin Transfer Moulding Process", Proceedings of the 4th International Conference on Die & Mould Technology - Forging Innovative Die & Mould Technology, Kuala Lumpur, 5-6 June 1997
50. **M.R.Osman**, Rosnah Mohd Yusuf, M.H.Ahmad, " A Comparison of Cellular Manufacturing Formation Techniques", Proceedings of the Al-Azhar Engineering Fifth International Conference, Egypt, 19-22 December 1997.
51. M.M.H.Megat Ahmad, D.T.Gethin, **M.R.Osman**, S.Basri , "Poruous Squeeze Films", Proceedings of the Al-Azhar Engineering Fifth International Conference, Egypt, 19-22 December 1997
52. **M.R.Osman**, M.K.Khan & A.K.Kochhar, "A Rule-based Approach For The Desing of Manufacturing Cell Control System", International Symposium Advanced Manufcaturing Processes, Systems and Technologies (AMPST) March 1996.
53. Megat Mohamad Hamdan dan **Mohd Rasid Osman**, " Design of a Material Requirements Planning (MRP) System", UPM Engineering Review, July 1989

## Professional Training Attended

1. Kursus **Lead Auditor Safety Management System**, Hotel Equatorial, Bangi, Jun 2006
2. **Laboratory Auditor Training Course** anjuran SIRIM Training Services Sdn. Bhd di Hotel De Palma Inn, Shah Alam Selangor, October 2004
3. Kursus **QE5: Advanced EMS Auditing Training (IEMA/EARA Approved)** anjuran SIRIM Training Services , November 2002
4. Kursus **QM12: Customer Satisfaction**, Oleh Sirim Training Services Sdn Bhd, Shah Alam , Julai 2002
5. Bengkel Jaminan Kualiti Program Bacelor Kejuruteraan Institut Pengajian Tinggi, Kementerian Pendidikan, Hotel Concorde, Februari 2002
6. Environmental Impact Assessment (EIA) ó the Decision Making Process, MUCED, Equatorial Bangi October 2001
7. Role of Engineers in Recovery from Disaster. Talk at IEM jointly organized by SIEAMM & Eng Tech Div IEM.October 2001
8. National Awareness Seminar: Importance of Standards Towards Globalization, Hotel Legend, Kuala Lumpur October 2001
9. Course on **ISO 9000:2000 Auditor/Lead Auditor Training**, organized by SIRIM Training Services Sdn. Bhd., Hotel Equatorial Melaka, Septmeber 2001
10. Short Course on Economic Approaches in Environmental Management, Pan Pacific Glenmarie, Subang , August 2001
11. Course on In-Plant ISO 9000:2000 Updating to Documenting the Quality Management System, Mutiara Budi, UPM , June 2001
12. Course on ISO 9000 version 2000 SIRIM, Country Heights Resorts and Leisure, April 2001
13. Seminar on ISO 9000:2000 (Revision), organised by Sirim Training Services Sdn. Bhd., Concorde Hotel, Shah Alam, January 2001
14. Workshop on Training of IS9000 ó Intermediate Level, Faculty of Engineering, March 2000 (course leader/chief trainer)
15. Kursus ISO9000 - Intermediate Level, Mutiara Budi UPM (as course leader)
16. Kursus ISO9000 - Intermediate Leveel, Fakulti Veterinar, Budi UPM (as course leader)
17. Kursus Teknik Pengajaran untuk Jurutera Professional, IDEAL, UPM, Ogos 1998=
18. Kursus óTutor for Windows basic CMM TrainingøUPM, Disember 1997
19. Kursus Kepimpinan dan Pembinaan Pasukan, IDEAL, UPM April 1997
20. Workshop on ISO 9000; Training for Trainers (Awareness, Intermediate and Internal Quality Auditing), Sri Lagenda Resort, Langkawi, June 1997
21. Bengkel 7 + 7 Tools for TQM, Mutiara Budi ,UPK, UPM, 6-7 Ogos 1997
22. Course on Press Die Design and CAD/CAM, SIRIM/JICA, Shah Alam, November - December 1995
23. Course on Low Cost Automation I , National Productivity Centre, March 1988
24. Course on Low Cost Automation II , National Productivity Centre, April 1988
25. Course on Low Cost Automation (Pneumatics and Hydraulics) Kuala Lumpur, 1988
26. Course on UNIX, Computer Centre UPM, May 1986
27. Participant, Group involving in the Finalizing the Strategic Planning for IEM, 1996