

BRIEF CV



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Areas of interest: In operations management, supply chain management, ergonomics, ageing, assessment and control of work related musculoskeletal disorder risk factors and technology management



Academic Qualification:

- Ph.D. (Manufacturing System), Universiti Putra Malaysia (UPM), Malaysia , 2002.
- M.Sc. (Industrial Engineering and Management), University of Iowa, USA, 1981.
- B.Sc. (Chemistry), University of Iowa, USA, 1979.
- Post Graduate Diploma (Islamic Studies), Universiti Kebangsaan Malaysia, 1985.

Professional Qualification/ Membership/ Affiliation:

- Member, Management Science/ Operation Research Society of Malaysia
- Past Member, CIDB Focus Group on Ergonomics (2003-2005)
- Past Secretary, Engineering Education and Training Committee (EETC) of the Federation of Engineering Institutions in Islamic Countries, FEIIC
- Past Secretary, EETC news bulletin, ENTIC, FEIIC
- Member, Editorial board of Inderscience publishers
- Executive Council Member, of Pan Pacific Council on Occupational Ergonomics
- Member, International Ergonomics Association Technical Committee Member on Primary Industries
- Member, International Ergonomics Association Technical Committee Member on Musculoskeletal Disorders
- Protem Committee Member, Human Factors and Ergonomics Society of Malaysia
- Founding Member, Malaysian Society of Engineers and Technologists
- Member, Executive Board Member and IEM-FEIIC National Monitoring Committee (2007-2009)
- Member, FEIIC- Kuala Lumpur Regional Office (2007-2009)
- Member, EQAPS-FEIIC (2007-2009)
- Chief Editor, FEIIC Bulletin and Publication (2007-2009)
- Member, Standing Committee on Innovation Foresight (FEIIC, 2007-2009)

Appointments:

May 2003 to date	Associate Professor, Mechanical and Manufacturing Engineering Department, Faculty of Engineering, UPM
1995 to 2003	Lecturer, Mechanical and Manufacturing Engineering Department, Faculty of Engineering, UPM
1990 to 1994	Lecturer, Mechanical and Systems Engineering Department, Faculty of Engineering, UPM
1986- 1990	Unpaid leave
1981-1985	Lecturer, Dept. of field Engineering, Faculty of Engineering, UPM
2003-now	Research Associate, Institute of Gerontology
2004-2006	Program Manager, Computer Integrated Engineering Management under the Computer integrated Systems Laboratory, Institute of Advanced technology (ITMA), UPM

Areas of Interest:

Operations management, supply chain management, ergonomics, ageing, assessment and control of work related musculoskeletal disorder risk factors and technology management.

Research Topics;

Year	Topic/ Sponsor	Amount (RM)
2007-2009	Falls and Risks Factors Among Older Malaysian at Home and Institution, Co-researcher, Research University Grants	RM247,800
2007-2008	Feasibility Study in Using Kenaf-Based Jointing System for On Plan Office System, Researcher, Fundamental	RM80,000
2006-2008	Evaluation of Technological and Organizational Requirement for AMT Implementation, Project Leader, E-science Fund	RM260,094
2006-2008	Supply Chain Outsourcing Model for the Food Industry, Project Leader, Fundamental	RM60,000
2007	Evaluation and Prevention of Occupational Injuries among Commercial Vehicle Drivers, Researcher, IRPA	RM574,000
2006	Reducing Ergonomics Risk Factors for Mechanical Loader Operators, Co-researcher. Research Grant under Malaysian Palm Oil Board (MPOB)	RM60,000
2004-2007	Development of a Diagnostic tool to Measure Manufacturing Best Practices in the SMIs of Malaysia, Project Leader	RM103,000
2005	An elderly friendly housing environment for older Malaysians, Researcher	RM149,500
2002-2006	CNG/DI Engine and Transmission Program Under the Project Entitled 'Vehicle Architecture and Integration', Researcher, IRPA-PR	RM28,000
2005-2006	Anthropometric Measurement of Older Malaysians: Reference Value for Living Places, Researcher, Fundamental Research	RM100,000
1999-2000	Model Development for Predicting AMT implementation, Head of Research, UPM Short Term grant	RM20,000
1997-1998	Implementation Studies of AMT in the SMIs of Malaysia, Head of Research, UPM Short Term grant	RM20,000
1991-1995	Simulation of Manufacturing System MPCS unit under the Computer Integrated Manufacturing (CIM) group, Researcher, IRPA	RM1,100,000

Student Supervision

- 8 PhD students (Main Supervisor) – 0 completed, 1 viva/ submitted
- 8 MS students (research as Main Supervisor) – 3 completed, 1 Viva/ submitted, 2 on-going and 2 terminated/ withdrew
- 17 MS students (research as Co- Supervisor) – 12 completed, 0 Viva/ submitted, 5 on-going
- 20 MS projects – 15 completed, 5 on-going
- More than 70 BE projects – all completed

Publications:

- Journals: 26 published & accepted, 3 submitted and under revision, 4 in citation indexed journals since 2006.
- 88 papers for Conference/ proceedings.

Journals

- 1 **Rosnah M. Y.**, A. Haque and C.A.K. Muthamil, 1994. Anthropometric Dimensions and Preferred working surface heights for the electronic workers workbench. In PERTANIKA J. of Science and Technology. Vol.2 No.1.
- 2 **Rosnah Mohd. Yusuff** and O.O.Wong, 1996. "Ergonomically designed chair for Malaysian VDT users". ASEAN Journal of Science and Technology Development, Vol. 13(2),pp.49-65.
- 3 **Rosnah Mohd. Yusuff** and O.O.Wong, 1996. "Development of Anthropometric dimensions database fro the Malaysian population". ASEAN Journal of Science and Technology Development 12(1).
- 4 **Rosnah Mohd. Yusuff**, M.R. Osman and M.S.J. Hashmi, 1997. " A simulation study of the applications of JIT and cellular manufacturing concepts in SMI". International Journal of Flexible Automation and Integrated Manufacturing, Vol. 5 (1&2),pp.105-122.
- 5 M.M.N. Megat Johari, A.A. Abang Abdullah, M.R. Osman, M.S. Sapuan, N. Mariun, M.S. Jaafar, A.H.Ghazali, H.Omar and **M.Y. Rosnah**, 2001. A new Engineering Education Model For Malaysia. Int. J. of Engineering education, 18. no.1. pp8-16.
- 6 **Rosnah M.Y.**, Kok Poh Yee and M.S.J. Hashmi., 2001. A Preliminary Study on The Potential Use of AHP to Predict AMT Implementation. J. of Robotics and Computer Integrated Manufacturing. Pergamon Vol 17/5. pp.421-427
- 7 W.K. Low, M.R. Osman and **Rosnah M.Y.**, 2001. A comparative Study of Some Cellular Manufacturing Techniques. Pertanika J. Sci. & Technology, Supplement 9 (2). Pp. 187-198
- 8 M.R. Osman, **Rosnah, M.Y.**, M.M.H. Megat Ahmad and Chew, C.Y. 2001. Employees Reactions and Factors in the Implementation of ISO 9000 in Manufacturing Companies. . Pertanika J. Sci. & Technology, Supplement 9 (2). Pp. 199-207
- 9 **Rosnah, M.Y.**, M.M.H. Megat Ahmad , S. Sulaiman and M. Zainal, 2003.Increasing Competitiveness Through Advanced Manufacturing technologies. Int. J. of Manufacturing Technology and Management. Vol 5 No 4 pp.371-379
- 10 **Rosnah, M.Y.**, 2004. Manufacturing Best practices for the Electric and Electronic Firms in Malaysia. Benchmarking, An Int. Journal. Vol. 11, Number 2 pp.361-369
- 11 **Rosnah M.Y.**, M.M.H. Megat Ahmad, S. Sulaiman & Z. Mohamad, 2004 Implementation of Computer based technologies for the small and medium scale industries in Malaysia.. Pertanika J. of Science & Technology. Supplement. Sept. 12(1) pp.41-50
- 12 **Rosnah, M.Y.** and K. Vijaya Kumar. 2004. Insights into the manufacturing Practices of the electric and electronic industries in Malaysia. Pertanika J. of Science & Technology. Supplement. Sept. 12(1) pp 21-30.
- 13 **Rosnah, M.Y.**, M.M.H. Megat Ahmad, S. Sulaiman & Z. Mohamad. 2004. Organization Adaptation for AMT Implementation in the SMIs. Int. J. of Engineering and Technology (FEIIC). Vol 1 No.2 pp.131-138
- 14 **Rosnah, M.Y.**, M.M.H. Megat Ahmad, and M.R. Osman. Barriers to AMT Implementation in the SMIs of a Developing Country. 2004. Int. J. of Engineering and Technology (FEIIC). Vol 1 No.1 pp.39-46
- 15 M.R. Osman, **M.Y. Rosnah**, N. Ismail, R. Tapsir and M.I. Sarimin. 2004. Internal Customer Satisfaction in ISO9001 Certified Manufacturing Companies. Int. J. of Engineering and Technology (FEIIC). Vol 1 No.2 pp.179-187
- 16 M.R. Osman, N. Ismail, M. Zahirain, **M.Y. Rosnah**, S.M. Sapuan, MMMH. Ahmad. 2004. Sheet Metal fabrication Using selective Performance Measure and priority dispatching Rules. Int. J. of Engineering and Technology (FEIIC). Vol 1 No.1 pp.74-53.
- 17 M.R.Osman, M.Y.Ismail, N.Ismail, R.M.Yusuff, C.F.Tan and M.J.M.M.Noor (2004) "Comparative studies of ISO9000 and TQM Implementation in Malaysia. J.Y.Tan,

- 18 Rosli Darmawan, Mohd. Rasid Osman, **Rosnah Mohd. Yusuff**, Napsiah Ismail and Zulkifle Leman, 2004. Manufacturing Plant Performance Evaluation by Discrete Event Simulation. J. of Faculty of Mechanical Engineering. U. Teknologi MARA. Vol.1 No.1. pp1-14
- 19 Sharifah Norazizan Syed Abdul Rashid, Tengku Aizan Hamid, **Rosnah Mohd. Yusuff**, Ahmad Hariza Hashim, Ruhaizin Sulaiman, Aini Mat Said, Azizah Salim Syed Salim, Mohd. Rizal Hussain & Lina Goh Siew Cheng. 2006. Anthropometric Data of Older Malaysians. Asia J. of Public Health. Vol.18 (s). Pp 36-43.
- 20 **Rosnah Mohd. Yusuff**, Sharifah Norazizan Syed Abdul Rashid, Nurazrul Shida Hashim, Tengku Aizan Hamid, , Ahmad Hariza Hashim, Aini Mat Said, Lina Goh Siew Cheng, Lo Woon Chek & Mohd. Rizal Hussain. 2006. Comparison of Anthropometric Dimensions Amongst various Population. Asia J. of Public Health. Vol. 18 (s). Pp 20-25.
- 21 Wan C.Z., Hamiraj, A.F., Shamsul, B.M.T., **Rosnah M.Y.** et al. 2005 . Anthropometric Measurements of Malaysians Bus Driver for Malaysian Bus Seat Design. Malaysian J. of Public Health Medicine. Vol.5. (September 1) pp.50
- 22 **M.Y. Rosnah**, S.N. Syed Abdul Rashid, T.A. Hamid, S.C. Lina Goh & H. Mohd. Rizal 2005, Anthropometric dimensions of older Malaysians: Towards designing an ergonomically friendly home environment for the elderly. Gerontechnology May. Vol 3. No. 4. p196
- 23 S.N. Syed Abdul Rashid, **M.Y. Rosnah**, T.A. Hamid, S.C. Lina Goh & H. Mohd. Rizal 2005. Ageing in Place: Towards designing an Ergonomically Home Environment for older Malaysians. Gerontechnology May. Vol 3. No. 4. p238
- 24 **Rosnah Mohd. Yusuff**, M.S.J. Hashmi and Lo Woon Chek. 2005. (Invited paper) Advanced manufacturing Technologies in SMEs: Strategic Requirements for implementation in a developing Country. Special feature. Asia Pacific Tech Monitor J. Vol. 22 No.3. May-June, p23-29
- 25 S.N. Syed Abdul Rashid, **M.Y. Rosnah**, T.A. Hamid, S.C. Lina Goh & H. Mohd. Rizal.2006. Ageing in Place: Towards designing an Ergonomically Home Environment for Older Malaysians. Gerontechnology July. Vol 5, No. 2. Pp 92-98.
- 26 Hadi Mohammadi Bidhandi, **M.Y. Rosnah**. 2007. Development of a New Approach for Deterministic Supply Chain Network Design. European Journal of Operational Research (EJOR). (Accepted for publication)
- 27 **M.Y. Rosnah**, Y.M. Shahir, M.T. Samsul Bahari, W.C. Zaharah. 2007. Developing Bus Seat Design Parameters for Malaysian Bus Drivers. Asian Journal of Ergonomics-Practice and its Theory. (Submitted and Under Revision)
- 28 **Rosnah M.Y.** 2007. An Ergonomic Bus Driver's Seat Fitted with A Biomechanical Support. Asian Journal of Ergonomics-Practice and its Theory. (Submitted and Under Revision)
- 29 Mohd Shahrizal Hj.Dolah and **Rosnah Mohd.Yusuff**. 2007. The role of Computer Aided Industrial Design (CAID) in Design Process. Jurnal INTI. (Accepted)
- 30 Mohd Shahrizal Dolah, **Rosnah Mohd. Yusuff**, Ahmad Rizal Abdul Rahman and Mohd Rasid Osman. 2007. Jointing Design in Open Plan Office System. Alam Cipta, FRSB. (Submitted)

Awards & Recognitions:

1. Gold medal and 2 Bronze in Invention, Research and Innovation exhibition.

UPM 1-19 Mac (2005)

2. Excellent Service Award .1995 and 2003
3. Certificate of Excellent Service : 1998,1999, 2001, 2002, 2003, 2004, 2005, 2006, 2007
4. 1 Silver medal and 1 Bronze Invention, Research and Innovation exhibition Engineering faculty. 16-17 Mac 2006
5. 1 Gold, 1 Silver and 2 Bronze . Invention, Research and Innovation exhibition UPM (2006)
6. INPEX (USA) International Award on Innovative Product. 2006

Professional Training Attended

1. Asian Development Bank Attachment Program. Simulation in Manufacturing. University of Bradford. United Kingdom. December 1993.
2. 1st and 2nd Workshop on Malaysian Incorporated Engineers and Engineering Technician, June 2002, Kuala Lumpur.
3. Colloquium Malaysian Incorporated Engineers and Engineering Technician, July 2002, Putrajaya.
4. Workshop on KAIZEN and GEMAKAIZEN, July 2000, Shah Alam.
5. Course on Ergonomics, NIOSH, Bangi 16-31 March 2005
6. IEA/ILO workshop on Ergonomics in Agriculture Checkpoint 25-26 November 2007