

PERSONAL PARTICULARS

**NAME**

Dr Wan Ahmad Yusmawiza Wan Yusoff, CEng

ADDRESS

Industrial and Systems Engineering Department, College of Engineering, P O Box 2440, Hail, Kingdom of Saudi Arabia.

DATE OF BIRTH

11 September 1970

TELEPHONE

+966540662825

LANGUAGE SPOKEN

English / Malay

WRITTEN

English / Malay

EMAIL

wa.yusoff@uoh.edu.sa

NATIONAL INSURANCE

NO. UNITED KINGDOM : SC826528A

EDUCATION

- Postdoc Adv Manufacturing Engineering, Cardiff University
- PhD Adv Manufacturing Engineering, Cardiff University
- Msc Manufacturing Systems Engineering, Warwick University
- B.Eng (Hons) Manufacturing Engineering, University of Sunderland

PROFESSIONAL AFFILIATION

- Chartered Engineer : Engineering Council, UK
- Professional Member : The Institute of Nanotechnology, UK (MIoN)
- Ordinary Member : Engineers Ireland (MIEI)
- Member : The Institution of Engineering and Technology (MIET)
- Member : The Royal Institution of Great Britain (MRI)
- Senior Member : International Association of Computer Science and Information Technology (IACSIT), Singapore
- Grad IMMM : The Institute of Materials, Minerals, and Mining, UK

ADMINISTRATIVE EXPERIENCE

HAIL UNIVERSITY, KINGDOM OF SAUDI ARABIA (March 2013 – Present)

Committee member of the International Conference and Research

Committee member of the Quality and Accreditation

Teaching, conducting research and assisting the establishment of new department (Industrial and Systems Engineering Department) at College of Engineering

Teaching Subjects

Manufacturing Processes

Engineering Statics

Engineering Economics

INTERNATIONAL ISLAMIC UNIVERSITY, MALAYSIA (2001 – March 2013)

Deputy Dean, Kulliyah of Engineering, International Islamic University Malaysia, June 2012- March 2013)

Director of Alumni and Career Services Division, International Islamic University Malaysia, 2010-2011

Deputy Director of Alumni and Career Services, International Islamic University Malaysia, 2009-2010

Chairperson –Alumni Committee for Academic Performance Audit (APA) exercise by MQA, 2010-2011 (University Level)

Chairperson –Alumni Committee for PSPTN exercise by Ministry of higher education Malaysia, 2010-2011

Advisory Academic Panel for Academic Compliance Quality Committee, 2012 (University Level)

Program Director, Establishment of Alumni IIUM chapter in Vietnam (2010)

Program Director, Establishment of Alumni IIUM chapter in Maldives (2011)

Program Director, SCOPE programme between IIUM and Standard Chartered bank (2010)

Program Director, FSTEP programme between IIUM and Bank Negara (2010)

Program Director, MIDF programme between IIUM and SIME Corp (2010)

Coordinator, Engineering Industrial Training (2009-2010)

Coordinator, Final Year Project (undergraduate) (2008-2009)

Coordinator, Engineering Workshop for B.Eng (Hons) Manufacturing Eng.(2001-2002) (2008 – 2009)

Teaching Subjects

Quality Control (Undergraduate and Postgraduate)

Design for Manufacturing (Postgraduate)

Engineering Business Management

Product Design and Development

Manufacturing Processes

Workshop Technology

Seminar II

Project

UNIVERSITY TEKNOLOGI MALAYSIA UTM (1998-2001)

Head of Manufacturing Panel

Designing new curriculum for Diploma in Mechanical Engineering, UTM

Designing new curriculum, Certificate and Diploma in Technology for PERWAJA STEEL Co.Malaysia

Designing new curriculum, Certificate in Technology level for National Youth Training Centre, Malaysia

Designing new curriculum for Ministry of Education Malaysia's Technical education for the 8th Malaysia plan.

Coordinator for Engineering Subjects

Industrial Engineering, Product

Design and Development

Manufacturing Technology

Operations Management

Engineering Drawing.

Coordinator for Diploma in Mechanical Engineering at School of Professional and Continuing Education (S.P.A.C.E)

Mechanical Engineering Workshop Coordinator

STANDARDS AND INDUSTRIAL RESEARCH INSTITUTE OF MALAYSIA SIRIM (1997-1998)

Research Officer at Technical and Advisory Division

Designing Quality Assurance and manufacturing processes programmes to SMEs in Kelantan and Terengganu

PUBLICATIONS

Editorials

Associate Editor, International Journal of Computer Aided Engineering and Technology (IJCAET), US

Regional Editor of Europe, The International Journal of Environmentally Conscious Design & Manufacturing (IJ ECDM), Albuquerque, N.M : ECM Press, US.

Editorial Board, American Journal of Engineering Science and Technology Research (AJESTR), US

Editorial Board, International Journal of Mining, Metallurgy and Mechanical Engineering (IJMMME)

Scientific Technical Committee and Editorial Board on Engineering and Technology, International Scientific Academy of Engineering & Technology (ISAET)

Technical Committee, 2013 World Congress on Electronics and Electrical Engineering (WCEEE 2013) Kuala Lumpur, Malaysia, Dec 29-30, 2013- Atlantis Press, Paris, papers to be reviewed by Ei Compendex and Thomson ISI

Technical Committee, 2013 International conference on Information Service and Teaching Processes, Oct 11-12, 2013, Xi'an, China- published by France 3P Press

Technical Committee, the 2013 Asia Conference on Mechanical and Materials Engineering (ACMME 2013), Oct 08-09 Oct, 2013, Wuhan, China- Applied Mechanics and Materials" [ISSN: 1660-9336, Trans Tech Publications]

Technical Committee, 2nd International Conference on Engineering and Innovative Materials (ICEIM 2013), September 7-8, 2013, Shanghai, China, Advanced Materials Research [ISSN: 1022-6680, Trans Tech Publications]

Conference Program Chairman, 2nd International Conference on Advances in Mechanics Engineering (ICAME 2013) Jakarta, Indonesia, July 13-14, 2013- Applied Mechanics and Materials [ISSN: 1660-9336, Trans Tech Publications]

Scientific and Technical Committee & Editorial Review Board on Engineering and Applied Sciences, the World Academic of Science Engineering and Technology (WASET) for journal publication.

Conference Program Chair, International Conference on Advances in Mechanics Engineering (ICAME 2012), Hong Kong, China, July 14-15, 2012 Applied Mechanics and Materials [ISSN: 1660-9336, Trans Tech Publications]

Steering Committee, International Conference on Advanced Manufacturing and Materials Engineering, 27-29 July 2012, Kuala Lumpur, Malaysia

Steering Committee, IIUM Engineering Congress 2011 (IEC'11), May 17-19, 2011, Kuala Lumpur, Malaysia

Technical Committee Program, IEEE Symposium on Business, Engineering and Industrial Applications (ISBEIA2011), 26-28 September 2011, Langkawi, Kedah, Malaysia.

Journal Reviewer

International Journal of Machine Tools and Manufacture, UK, Elsevier Ltd, impact factor 2.47

International Journal of Production Planning and Control, UK, Taylor and Francis, impact factor 0.51

Rapid Prototyping Journal, UK, Emerald Group Publishing Ltd, UK, impact factor 0.65

International Journal of Computer Aided Engineering and Technology, US, impact factor 1.997

Asia Conference on Mechanical and Materials Engineering (ACMME 2013)

World Congress on Electronics and Electrical Engineering (WCEEE 2013), Kuala Lumpur, Malaysia

International Conference on Advances in Mechanics Engineering (ICAME 2013) Jakarta, Indonesia

International Conference on Advances in Manufacturing and Materials Engineering (ICAMME 2012), Malaysia

International Conference on Advances in Mechanics Engineering (ICAME 2102), Hong Kong

International Conference on Industrial Engineering and Operations Management (IEOM 2012), Turkey

International Conference on Innovation, Management and Technology Research (ICIMTR2012), Malaysia.

IEEE Symposium on Business, Engineering and Industrial Applications (ISBEIA2011), Malaysia.

International Conference on Advanced Materials and Processing Technologies (AMPT) 2009, Malaysia.

Journal of Information Technology & Multimedia, National University of Malaysia.

Books

1. Mohd Izzat, Mohd Azmil, WAY Yusoff, **Fabrication of Mandible Biomodel Using Rapid Prototyping Technology**, LAP Lambert Academic Publishing, Germany. 104 Pages, ISBN 978-3-659-39468-3, 2013
2. WAY Yusoff, **Application of FMECA to A Flexible Assembly Cell: Maintainability analysis, reliability prediction, safety analysis and failure analysis**, LAP Lambert Academic Publishing, Germany. ISBN 978-3-659-11092-4, 304 Pages, 2012
3. Syed Najib, WAY Yusoff, **Quality Improvement in Three-Way Catalytic Converter (TWC) System using Failure Mode and Effect Analysis (FMEA) methodology**, Lambert Academic Publishing, Germany, ISBN 978-3-8454-4328-7, 188 Pages, 2011
4. Hasanudin Hafis Mohamad Ali, Amir Hamzah Shukri, WAY Yusoff, **A Presurgical Biomodel Manufacture Using Rapid Prototyping Technology: Application of Rapid Prototyping method using Fused Deposition Modeling Technology**, LAP Lambert Academic Publishing, Germany, ISBN-13: 978-3659132803, 75 pages, May 2012
5. E Y T Adesta, A Akramin, WAY Yusoff, **High Speed Cutting, An Approach towards Improved Machining Performance**, International Islamic University Press, 153 pages, 2012

Refereed Conference Papers (Citation index journals)

1. D.T. Pham, K.D. Dotchev, W.A.Y Wan Yusoff, Improvement of part surface finishing in laser sintering by experimental design optimisation (DOE), **3rd Intelligent Production Machines and Systems Virtual International Conference**, Elsevier Ltd., Oxford, .2007.
2. K.D. Dotchev, D.T. Pham, W.A.Y Yusoff, S. Soe, Investigation on polyamide powder properties deterioration and efficient powder recycling in Laser Sintering, **3rd International Conference on Advanced Research in Virtual and Rapid Prototyping (VRAP)**, September 2007, Leiria, Portugal. published by Taylor & Francis, Leiria, Portugal.
3. D T Pham, K D Dotchev, WAY Yusoff, Deterioration of polyamide power properties in the laser sintering process, **Journal of Mechanical Engineering Science IMechE**, Part C, Vol.222.no.11, pp2163-2176, 2008.
4. K D Dotchev, WAY Yusoff, Recycling polyamide 12 based powders in the laser sintering process, **Rapid Prototyping Journal**, Vol.15, Issue:3, pp.192-203, 2009.
5. Mohd, Alias, Hindle, C., Wan Yusoff, Mould filling and pressure distribution for polymer resins, **Advanced Materials Research**, Trans Tech. publications, Switzerland (Volumes 264 - 265), pp.771-776, 2011
6. Syed Najib Syed Bahari, WAY Yusoff, Quality Improvement in Three-Way Catalytic Converter (TWC) System using Failure Mode and Effect Analysis (FMEA) methodology, **Applied Mechanics and Materials**, Trans Tech. publications, Switzerland, Vol. 165 (2012), pp.290-294.
7. WAY Wan Yusoff, Z Nur Zawanah, A B Nurshafika, M H Ani and Y M Mustafah Fabrication of Hip and Pelvis Part for Designing Acetabular Implant by using Fused Deposition Modeling (FDM) Machine, International Conference on Advanced Material and Manufacturing Science (ICAMMS 2012), Beijing, China. 20th to 21st

December 2012 .Published in **Advanced Materials Research**, Trans Tech.publications, Switzerland, (ISSN: 1022-6680)

8.WAY Yusof, Muhammad Ridhuan Kamarudin, Noor Iliana Mohd Salimi, The Application Reverse Engineering Tools and Rapid Prototyping Technology in Developing Automotive Components. **Advanced Materials Research**, Trans Tech.publications, Switzerland, Vol.576 (2012), pp. 637-640, pp633-636, ISSN: 1660-9336.

9.WAY Yusoff, Hasanudin Hafis Mohamad Ali, Md. Amir Hamzah Md. Shukri,A Surgical Training Maxillofacial Biomodel Manufacture Using Fused Deposition Modelling, **Applied Mechanics and Materials**, Trans Tech.publications, Switzerland, Vol. 576 (2012), pp633-636, ISSN: 1660-9336.

10.Shwe Pyi Soe, Daniel Roy Eyers, Wan Ahmad Yusmawiza, and Chi Hieu Le. Laser Sintering for the Fabrication of Architectural Models, **Advanced Materials Research**, Trans Tech.publications, Switzerland, Vol.576 (2012),pp.637-640, ISSN: 1660-9336.

11.WAY Yusoff, Hasanudin Hafis Mohamad Ali, Md. Amir Hamzah Md. Shukri, Fabrication of Surgical Cranioplasty Biomodel Using Fused Deposition Modeling, **Institute of Electrical and Electronics Engineers (IEEE) XPlore**, pp.**550-554**,(2012), ISBN: 978-1-4673-0653-9.

12.WAY Wan Yusoff, Farahaina Borhanuddin, Fatimatzahraa Abd Wahab , E Y T Adesta, The Effect of employing different raster orientations on the mechanical properties and microstructure of Fused Deposition Modeling parts **Institute of Electrical and Electronics Engineers (IEEE) XPlore**, Vol: 587(1) PP.43-48, (2012), ISBN: 978-1-4577-1548-8.

13. WAY Wan Yusoff, Safwan Nasir , Wan Mohd Hakimi , Erry Yulian Triblas Adesta , Investigation of the effect of “Orange Peel” surface texture on the Laser Sintering sintered part, **Institute of Electrical and Electronics Engineers (IEEE) XPlore**, Vol: 587(1), pp.22-27,(2012), ISBN: 978-1-4577-1548-8.

14. WAY Yusoff, Aichouni M, MA A Raman, M I AbuBakar, Fabrication and Design of Customized Mandible Biomodel for Implant Using Computer Aided Design and Rapid Prototyping Technique, **Applied Mechanics and Materials** ,Trans Tech Publications, Switzerland, Vol. 391 (2013) pp 406-409

Conference Proceedings

1.W.A.Y Wan Yusoff, A.J Thomas, The Effect of a Laser Scanning Strategy and Energy Density on “Orange Peel” Phenomenon of Selective Laser Sintering Process (SLS), **Proceedings of the 17th International Conference on Management of Technology 2008**, 6th-10th April 2008, Dubai, UAE.

2.WAY Yusoff, Mohd Izzuan, Mohd Asrol, Zuraida, Rapid Prototyping in Malaysia, **Proceedings of the International Conference on Advances in Materials and Processing Technologies**, 26-29 October 2009, Kuala Lumpur, Malaysia

3.WAY Yusoff, Zu Hazmin Badri, Zainal Masri, Zahir Hussin, Benchmarking the Rapid Prototyping Machines for Education purpose Using Quality Function Deployment (QFD), **Proceedings of the International Conference on Advances in Materials and Processing Technologies**, 26-29 October 2009, Kuala Lumpur, Malaysia.

4.WAY Yusoff, Khairil Syazmi, Mohd Naem, Investigation on Mechanical Properties of ABS Using Rapid Prototyping Technology and Injection Moulding Process, **Proceedings of the International Conference on Advances in Materials and Processing Technologies**, 26-29 October 2009, Kuala Lumpur, Malaysia.

5. WAY Wan Yusoff, Sa’edun Mahmood, Faidhi Afiq Mohamad, The Application of Rapid Prototyping Technology and FMEA quality tool in the Development of Automotive component, **Proceedings of the**

International Conference on Advances in Materials and Processing Technologies, 26-29 October 2009, Kuala Lumpur Malaysia.

6. WAY Wan Yusoff, Mohd Azri Muaz, Naili Rohayati, The effects of different build orientations on the mechanical properties of prototypes in Fused Deposition Modeling (FDM), **Proceedings of the International Conference on Advances in Materials and Processing Technologies**, 26-29 October 2009, Kuala Lumpur, Malaysia.

7. W.A.Y Wan Yusoff, D.T.Pharm, K.D.Dotchev, Rapid Fabrication of Prototypes and Functional Parts using Selective Laser Sintering (SLS) Technology, **Proceedings of the International Conference on Advances in Materials and Processing Technologies**, 26-29 October 2009, Kuala Lumpur, Malaysia.

8. WAY Wan Yusoff, D T Pharm, K D Dotchev, Effect of employing different grades of recycled polyamide 12 on the surface texture of laser sintered parts, **Proceedings of the International Conference on Advances in Materials and Processing Technologies**, 26-29 October 2009, Kuala Lumpur, Malaysia.

9. Syed Najib Syed Bahari, Wan Ahmad Wan Yusoff, Hadi Purwanto, Erry Adesta, Application of Failure Modes Effects and Criticality Analysis method to improve the performance of Three-Way Catalytic Converter. **Proceedings of the International Conference on Sustainable Mobility (ICSM 2010)**, 1st – 3rd December 2010, Kuala Lumpur, Malaysia.

10. Wan Yusoff, Wan Ahmad Yusmawiza and Mohamad Ali, Hasanudin Hafis and Md. Shukri, Md. Amir Hamzah (2011) *Application of rapid prototyping in medical engineering*. **Proceedings of the Asia Pacific Symposium on Advancements in Ergonomics and Safety (ERGOSYM 2011)**, 5-6 December 2011, Kangar, Perlis, Malaysia.

11. W.A.Y Wan Yusoff, D.T.Pharm, K.D.Dotchev, Improvement of powder management and recycling in laser sintering, **Proceedings of the International Conference on Manufacturing and Industrial Engineering, ICMIE '11**, 24-26 June 2011, Paris, France

12. WAY Wan Yusoff, Erry Yulian T.Edesta, Aishah Najiah, Nor Farah Huda, the application of Quality Function Deployment (QFD) and Rapid Prototyping (RP) technology in improving the design of anti sleep driving alarm, **Proceedings of the International Conference on Industrial Engineering and Operations Management**, Jan 2011, Kuala Lumpur, Malaysia,

13. WAY Yusoff, Hasanudin Hafis and Md. Shukri, Md. Amir Hamzah, Custom cranioplasty biomedical model using Fused Deposition modelling, **Proceedings of the Saudi International Conference of Forensic Medical Sciences**, 12-14 March 2012. Riyadh, Saudi Arabia.

Book Chapters

1. Mohamad Ali, Hasanudin Hafis and Md. Shukri, Md. Amir Hamzah and Wan Yusoff, Wan Ahmad Yusmawiza (2011) *A surgical training model manufacture using fused deposition modeling*. In: Design for manufacture: towards improved manufacturability. IIUM Press, Kuala Lumpur, pp. 44-49. ISBN 9789674181598

2. Wan Yusoff, Wan Ahmad Yusmawiza and Mohd, Aziatul Ashikin and Abdul Rahim, Siti Maznah (2011) *The introduction of fit manufacturing as a performance measuring approach towards sustainability of selected manufacturing companies in Malaysia*. In: Design for manufacture: towards improved manufacturabilit. IIUM Press, Kuala Lumpur, pp. 105-112. ISBN 9789674181598

3. Wan Yusoff, Wan Ahmad Yusmawiza and Roberts, Paul (2011) *Implementation of FMECA on Fixed Assembly Cell (FAC)*. In: Design for manufacture: towards improved manufacturability. IIUM Press, Kuala Lumpur, pp. 121-128. ISBN 9789674181598

4. Wan Yusoff, Wan Ahmad Yusmawiza and Saloh, Azmil (2011) *Implementation of FMECA on Computer Integrated Manufacturing (CIM)*. In: Design for manufacture : Towards improved manufacturability. IIUM Press, Kuala Lumpur, pp. 129-135. ISBN 9789674181598

5. Wan Yusoff, Wan Ahmad Yusmawiza and Hayyun, Muhammad Fakhri and Abdullah, Mohd Fairus (2011) *The study of the implementation of OHSAS: 18001 at Kulliyah of Engineering*. In: Design for manufacture: towards improved manufacturability. IIUM Press, Kuala Lumpur, pp. 113-120. ISBN 9789674181598

6. Syed Abdullah, Syed Idros and Mahamad Puzi, Mohamad Syatbi and Wan Yusoff, Wan Ahmad Yusmawiza (2011) *Design and fabrication of industrial welding robotic arm*. In: Design for manufacture: towards improved manufacturability. IIUM Press, Kuala Lumpur, pp. 58-63. ISBN 9789674181598

7. Wan Yusoff, Wan Ahmad Yusmawiza and Kamarudin, Muhammad Ridhuan and Mohd Salimi, Noor Iliana (2011) *Reverse engineering for rapid prototyping of automotive components*. In: Design for manufacture: towards improved manufacturability. IIUM Press, Kuala Lumpur, pp. 50-56. ISBN 9789674181598

8. Wan Yusoff, Wan Ahmad Yusmawiza and Md Noraini, Muhammad Fauzan and Ismail, Mohd Norazrul (2011) *Performance measurement of SMEs manufacturing sector in Malaysia*. In: Design for manufacture: towards improved manufacturability. IIUM Press, Kuala Lumpur, pp. 98-103. ISBN 9789674181598

9. Shafie Kamaruddin, Wan Ahmad Yusmawiza, Abdul Hadi Mohamed, Saufi Awang, *Design and Development of Radiofrequency Cannula (RC) for Chronic Pain Management in Medical Application*, IIUM Press, Kuala Lumpur, 2013 (Submitted)

10. Wan Ahmad Yusmawiza, Nurzawanah Zakaria, Nurshafika Razak, *Rapid prototyping medical model for hip and pelvis orthopaedic surgical*, IIUM Press, Kuala Lumpur, 2013 (Submitted)

11. Wan Ahmad Yusmawiza, Hadi Purwanto Farizahani, Shwe Soe, *Investigation of the physical properties of polymer materials used in Selective Laser Sintering (SLS)*, IIUM Press, Kuala Lumpur, 2013 (Submitted)

12. Wan Yusoff, Wan Ahmad Yusmawiza and Md Noraini, Muhammad Fauzan and Ismail, Mohd Norazrul *Performance measurement of implementing TQM to SMEs manufacturing sector in Malaysia*. IIUM Press, Kuala Lumpur, 2013 (Submitted)

Supervision:

(Main supervisor)

1. Syed Najib, research topic: Quality Improvement in Three-Way Catalytic Converter (TWC) System using Failure Mode and Effect Analysis (FMEA) methodology. (Master of Science) Status: Completed 2011

2. Shafie Kamaruddin, research topic: Design and Development of Radiofrequency Cannula (RC) for Chronic Pain Management in Medical Application, (Master of Science) Status: Completed 2013

3. Nazir Mat Nazi, research topic: Fabrication of Maxillofacial biomedical implant model using Fused Deposition modeling, (Master of Science) Status: On going

(co-supervisor)

Muataz Al Hazza, research topic: Experimental investigations in High-Speed Hard turning of AISI 4340 Steel Mixed Ceramics, (Phd) Status: Completed 2012

Muhammad Riza, research topic: Development of Tooling cost Model in High speed Hard Turning, (Master of Science) Status: Completed 2011

Research Grants

Principal Researcher

Saudi Government Research Grant: Implementaion of Total Quality Management in SMEs (Hail Region), Duration: 1.5 years, Amount: SR 68,000 (submitted)

Research Acculturation Grant Scheme (RAGS): Development Process and manufacturing of modern Medical Implants (Maxillofacial Surgical) Using Rapid Prototyping Technology.

Duration: 2013- 2015, Amount : RM35,000

Research Endowment Fund Type B : The Application of Rapid Prototyping in Medical Engineering (Biomedical).

Duration: 2012- 2013, Amount : RM20,000

Research Endowment Fund Type A : Improvement of powder management and recycling in laser sintering

Duration: 2012- 2013, Amount : RM5,000

Fundamental Research Grant Scheme (FRGS): Development of systematic Recycling PA12 in Laser Sintering towards green manufacturing Duration: 2010- 2012, Amount : RM27,000

Research Endowment Fund Type B : Explanation of “Orange Peel” phenomenon in Laser Sintering process

Duration: 2011- 2013, Amount : RM20,000

Research Endowment Fund Type A : A Surgical training model manufacture using fused deposition modeling

Duration: 2011- 2012, Amount : RM5,000

Investigation of the recycling polyamide powder properties in Laser Sintering processes, Research Endowment Fund Type B. Duration :2008-2009, Amount: RM20,000

Research Endowment Fund Type A, Rapid Prototyping in Malaysia

Duration: 2008-2009 Amount: RM5000

Co researcher

Prototype Research Grant scheme (PRGS): Duration: 2012-2015, RM334,000

eScience Research Grant: Amount: Duration: 2010-2012, Amount: RM182,875

Research Endowment Fund Type A & B: Duration: 2012-2015, Amount: RM60,000,

Fundamental Research Grant Scheme (FRGS): Duration: 2012-2015, RM127,000

Research Endowment Fund Type B, Duration : 2009-2010, Amount: 20,000

Engineering Science Research Council, United Kingdom, ESRPC Grant No.GR/S75505/01, (Year: 2006-2009)

Improvement of industrial production integrating macro-, micro- and nanotechnologies for more flexible and efficient manufacturing (IPMMAN), United Kingdom (Year: 2006-2009)

External Examiner

Judge for Ibn Al-Haytam’s Al-Manaazir Millennial Anniversary symposium “Appreciating 1000 Years of Modern Science”. Malaysia, 6-8 Dec 2011

Committee Member, National Metrology Laboratory (NML), present

Panel Assessor for course Manufacturing Engineering Malaysian Qualification Agency (MQA)

Panel Assessor for British Top University programme, Government of Malaysia 2008-present

Examiner, Saliyah Kahar (Phd), 2013 (Universiti Kebangsaan Malaysia)

Examiner, Mohd Fahmi bin Mohamad Amran, (Phd), (Universiti Kebangsaan Malaysia), 2010

Examiner, Saliyah Kahar (MSc), (Universiti Kebangsaan Malaysia), 2010

Examiner, Mok Ru Kai (MSc), (Universiti Kebangsaan Malaysia), 2010

Examiner, Cheak Feng Yi (MEng), (University of Malaya), 2009

Awards

Silver: Bronze: IIUM Research, Invention and Innovation Exhibition 2012, Design and Enhancement of Radiofrequency

Bronze: IIUM Research, Invention and Innovation Exhibition 2011, the Effect of a Laser Scanning Strategy and Energy Density on “Orange Peel” Phenomenon of Selective Laser Sintering Process

Bronze: IIUM Research, Invention and Innovation Exhibition 2012, the Application Reverse Engineering Tools and Rapid Prototyping Technology in Developing Automotive Components

Visiting Scholar at Cardiff University 2009

Visiting Scholar at Cardiff University 2011

REFEREES

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