



BRIEF CV

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Academic qualification and working experiences:

Academic qualification			
Degree	Area of Specialization	Name of School / Institution	Year
PhD	Systems Engineering	Cardiff University, UK.	2006
	Phd Thesis Title: Multimodal feedback cues on manual lifting in virtual environments		
Master	MSc in Mechanical Engineering	Universiti Putra Malaysia	2002
	Master Thesis Title: Experimental Leakage Analysis for Push Fit Elastomeric Steel Pipe Spigot and Socket Joint		
First Degree	B.Eng (Hons) Mechanical Engineering	University of Bradford, UK	1997
	First degree project title: Design of coursework dispenser		
Working experiences			
Research Assistant	Department of Mechanical and Manufacturing Engineering, UPM		1999-1999
Production Engineer	Clipsal Manufacturing (M) Sdn. Bhd., Shah Alam.		1997-1999
Lecturer	International University College of Technology Twintech		1997-1997
Technical Assistant	Sankyo Manufacturing (M) Sdn. Bhd., Kuala Selangor		1994-1995

Areas of Interest:

Manufacturing Engineering, Crash Simulation, Virtual Reality, HCI, Ergonomics

Current and Previous Appointments:

Date	Appointment
July 2012 – to date	Associate Professor, Department of Mechanical and Manufacturing Engineering, Faculty of Engineering, UPM
Oct. 2008 - June 2012	Senior Lecturer, Department of Mechanical and Manufacturing Engineering, Faculty of Engineering, UPM

Aug. 2006- Sept. 2008	Lecturer, Department of Mechanical and Manufacturing Engineering, Faculty of Engineering, UPM
1999-2006	Tutor, Department of Mechanical and Manufacturing Engineering, Faculty of Engineering, UPM
1997-1999	Production Engineer, Clipsal Manufacturing (M) Sdn. Bhd., Shah Alam.
1997-1997	Lecturer, International University College of Technology Twintech,

Academic awards and recognition:

No.	Award/Recognition	Organisation Awarded	Date
1.	Eimarace 2010 (First Runner Up)	UTM, KL	2010
2.	Excellent Teaching Award	Faculty of Engineering UPM	2010
3.	Eimarace 2009 (First Runner Up)	UTM, KL	2009
4.	Bronze Medal in PRPI Research and Innovation Exhibition, (Design and fabrication of a student competition based racing car)	UPM	2009
5.	International Pahang River Rafting 2009 (UPM)	Bukit Fraser Dev. Corp.	2009
6.	2nd Formula Varsity UteM 2008 Competition	UteM, Melaka	2008
7.	Anugerah Pengajaran Putra UPM (Kategori: Anugerah Pengajar Muda Cemerlang) – Finalist	UPM	2008
8.	Bronze Medal, Exhibition of Invention, Research & Innovation 2007 (PRPI07), Virtual Reality Simulation to Reduce Lower Back Pain, Principal Researcher	UPM	2007

Supervision of students

a.	PhD	- Main Supervisor (3 on-going)
b.	D.Eng.	- Main Supervisor (1 on-going)
c.	MSc	- Main Supervisor (2 completed, 4 ongoing)
d.	Master in Engineering Management (EM) and Master in Manufacturing System Engineering (MSE)	- Main Supervisor (49 completed, 11 on-going)
e.	Undergraduate	- Supervisor (20 completed)

Publications

- a. Journals – 38
- b. Chapter in Book - 4
- c. Book editor - 1
- d. Proceeding – 50

Selected Journals (Latest)

1.	J. Mai Nursherida, B.B. Sahari, Aidy Ali, A.A. Nuraini, A.A. Faieza , Tuan Hafandi Tuan Ismail, Azim Azizi, M.S. Salwani, Nabilah Mohd Safar ,Siti Aini Satuan, Shahril Mohamad, Norhidayah Muhamed, Determination of Leg Injury Criteria Subjected to Frontal Impacts, <i>Applied Mechanics and Materials Vol. 165 (2012) pp 265-269</i>
2.	J. Mai Nursherida, A.A. Nuraini , B.B. Sahari, Aidy Ali, , A.A. Faieza , Tuan Hafandi Tuan Ismail, Azim Azizi, M.S. Salwani, Nabilah Mohd Safar ,Siti Aini Satuan, Shahril Mohamad, Norhidayah Muhamed, Performance of Hood System and Head Injury Criteria Subjected to Frontal Impacts, <i>Applied Mechanics and Materials Vol. 165 (2012) pp 270-274</i>
3.	S.S. Aini, B.B. Sahari, Aidy Ali, A.A. Nuraini, A.A. Faieza , Tuan Hafandi Tuan Ismail, M. Shahril, M.S. Nabilah, M.S. Salwani , Introducing Fatigue Contour Plot in LS-Pre Post LSDYNA Finite Element Crash Simulation Software, <i>Applied Mechanics and Materials Vol. 165 (2012) pp 275-279</i>
4.	Azim Azizi, Aidy Ali, B.B. Sahari, , A.A. Nuraini, A.A. Faieza , Tuan Hafandi Tuan Ismail, M.S. Salwani, J. Mai Nursherida, Nabilah Mohd Safar ,Siti Aini Satuan, Shahril Mohamad, Norhidayah Muhamed, Performance of Aluminium Alloy Side Door Subjected to Side Impact and Pole Impact, <i>Applied Mechanics and Materials Vol. 165 (2012) pp 280-284</i>
5.	A.A. Faieza , M. Ghazizadeh, Quality Management Tools for Customer Satisfaction in Service Industry, Journal Advance Science Letters, ISSN: 1936-6612, IF= 1.253 (accepted)
6.	A.A. Faieza and M.S. Omid, Identification of Barriers in Production Line Installation for Packaging Industry using Delphi Method, Journal Advance Science Letters, ISSN: 1936-6612, IF= 1.253 (accepted)
7.	A.H. Lilehkoohi, A.A. Faieza , B.B. Sahari, A.A. Nuraini , M. Halali, Effect of Material and Thickness of Side Doors And B Pillar on Crashworthiness in Euro NCAP Side Impact Crash Test, Journal Advance Science Letters, ISSN: 1936-6612, IF= 1.253 (accepted)
8.	A.H. Lilehkoohi, A.A. Faieza , B.B. Sahari, A.A. Nuraini , M. Halali, Crashworthiness Determination for Front and Rear Doors and B Pillar Subjected to Side Impact Crash by a Mobile Deformable Barrier, , Journal Advance Science Letters, ISSN: 1936-6612, IF= 1.253 (accepted)
9.	A.H. Lilehkoohi, A.A. Faieza , B.B. Sahari, A.A. Nuraini , M. Halali, Effect of Material on Crashworthiness for Side Doors and B Pillar Subjected to Euro NCAP Side Impact Crash Test, , Journal Advance Science Letters, ISSN: 1936-6612, IF= 1.253 (accepted)
10.	Maryam Mousavi, Faieza Abdul Aziz and Napsiah Ismail, “VIRTUAL REALITY ADOPTION CAPABILITY IN THE MALAYSIAN AUTOMOTIVE MANUFACTURING INDUSTRY”, Scientific Research and Essays (SRE), Vol. 7(2), pp. 158-164, 16 January, 2012
11.	M. Shareghi, A.A. Faieza , Service Oriented Architecture and Advancement of Maintenance Management Information Systems: A Review, Scientific Research and Essays. Vol. 6(15), pp 3182-3188, 11 August 2011, IF= 0.445) (Thomson ISI)
12.	N. Fatchurrohman, S. Sulaiman, M.K.A. Ariffin, B.T.H.T Baharuddin, A.A. Faieza , Solidification Characteristic of Titanium Carbide Particulate Reinforced Aluminium Alloy Matrix Composites, Journal of Engineering Science and Technology (Accepted April 2011) (<i>Scopus</i>)
13.	Development of In-house Software Package for Maintenance Management Information System, Masood Shareghi, Faieza Abdul Aziz , Rosnah Mohd. Yusuff, Norzima Zulkifli (Accepted, will be listed in IEEEExplore – ICOS2011 25-28 Sept 2011) (<i>Scopus</i>)
14.	Daryoush Safarzadeha, Shamsuddin Sulaiman, Faieza Abdul Aziz , Desa Bin Ahmad, Gholam Hossein Majzooobi, An investigation into the hook dynamics and effect of hook parameters on the sway angles in hydraulic cranes, Scientific Research and Essays Vol. 6(6), pp. 1303-1316, 18 March, 2011(IF= 0.445) (<i>Thomson ISI</i>)

15.	S. Abedi Niestanak, A. A. Faieza , S. Sulaiman and M.Y. Rosnah, Product Structure Initialization, the Bottleneck of ERP Implementation in Customer Driven Environments: A Case Study <i>Pertanika J. Sci. & Technol.</i> 19 (1): 66 – 82 (2011) ISSN: 0128-7680 (<i>Scopus</i>)
16.	S. Hisham, A.A. Faieza , N. Ismail, S.M. Sapuan, M.S. Ibrahim, Flexural Mechanical Characteristic of Sawdust and Chipwood Filled Epoxy Composites, <i>Key Engineering Materials</i> , Vols 471 – 472, pp 1064 to 1069, 2011, ISBN: 978-3-03785-059-6 (<i>Thomson ISI</i>)
17.	S. Hisham, A.A. Faieza , N. Ismail, S.M. Sapuan, M.S. Ibrahim, Tensile Properties and Micromorphologies of Sawdust and Chipwood Filled Epoxy Composites, <i>Key Engineering Materials</i> , Vols 471 – 472, pp 1070 to 1074, 2011, ISBN: 978-3-03785-059-6. (<i>Thomson ISI</i>)
18.	M.S. Ibrahim, A.A. Faieza , S.M. Sapuan, S.M. Tahir, Effect of Filler Loading and Coupling Agent on Tensile and Impact Properties of Polypropylene with Oil Palm Ash Composites, <i>Key Engineering Materials</i> , Vols 471 – 472, pp 1130 to 1135, 2011, ISBN: 978-3-03785-059-6. (<i>Thomson ISI</i>)

Research activities

a) Research Grants

No.	Title	Role (Main/Co-researcher)	Sponsor/Grant and Amount (RM)	Period (year)	Status (Completed/Ongoing)
1.	Developing A Framework of Adopting Virtual Reality Into The Automotive Manufacturing Company [05-01-09-0675RU]	Main	RUGS RM30000	2009-2011	Ongoing
2.	Computationally Optimised Fuel-Efficient Concept Car [TF0608C073] Sub-Project 11	Co-Researcher	TECHNOfund RM606800	2009-2011	Ongoing
3.	Value Engineering - Link up with Universities Programme: VAVE Project (Proton Exora)	Co-Researcher	Proton RM34765	2009-2011	Ongoing
4.	Value Engineering - Link up with Universities Programme: VAVE Project (Proton Saga)	Co-Researcher	Proton RM30,298.86	2009-2011	Ongoing
5.	Performance of Small and Medium Industries (SMIs) and their strategic fit of manufacturing technology and practices	Co-Researcher	RUGS RM15000	2008-2010	Completed
6.	Design and develop a detector for measuring a maturity indices of watermelon	Co-Researcher	RUGS RM30000	2008-2010	Completed
7.	Multimodal Feedback Cues as a Training Tool For Manipulation Tasks in Virtual Environments (VEs), Geran Pensyarah Lantikan Baru	Main	PLB RM 10000	2007-2008	Completed

b) Patent

1	"A self-Propelled Hydraulic Floor Crane" – PI2012001330
1.	"LIGHTWEIGHT REAR BUMPER SYSTEM WITH CRASHWORTHY COMPARTMENT"

Professional Training Attended

No.	Course/Training title	Organiser	Date
1.	IP Workshop II, Langkawi, Kedah.	TechnoFund Project (Ref.: TF0608C073) UKM	20-22 June 2011
2.	LS-DYNA workshop		13-14 March 2010
3.	Fundamentals of Virtual Reality Display Programming	University Malaya	February 2009
4.	Virtools Hands On Training	Rand Technology	December 2008
5.	Higher Education Professional Training Programme For Young Lecturer,.	MOHE	Nov. 2008
6.	Virtual Reality in University Malaya, February 2008.	University Malaya,	February 2008.
7.	3ds Max Desigh for Visualization	SPACE, UTM	15-18 th Dec. 2008
8.	Training on Virtual Reality Roadmap on the Construction Industry and Developments in the Global Context	MSC Innovation Centre, MDeC	August 2007.
9.	Conference on Teaching and Learning in Higher Education 2007 (CTLHE2007), Palace of the Golden Horses, KL	MOHE	12-14 December 2007
10.	SolidWorks 2nd Session Train-of-Trainer (ToT) Workshop	IME CAD/CAM Training Centre,	25th - 26th July 2007
11.	Introduction to Immersive Visualization,	Welsh e-Science Centre, Cardiff University, UK	October 2003
12.	Virtalis Stereoscopic 3D	Warwick University, UK	October 2005