

CURRICULUM VITAE

GENERAL INFORMATION

Name : KHAIRUL MUZZAMMIL BIN SAIPULLAH
Identification # : *The Fabrication*
Current Position : RESEARCHER, CRO, PRESIDENT
Department : R&D (M.E.R.G.E)
Specialization : COMPUTER VISION, EMBEDDED SYSTEM,
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ACADEMIC QUALIFICATIONS

No.	Qualifications	Year	University/Institute	Degree class/CPA
1	M.E. (Sc) Electronic Engineering	2011	INHA UNIVERSITY	4.06
2	Bsc. Electronic Engineering	2009	INHA UNIVERSITY	3.69
3	Diploma Semiconductor Engineering	2007	DONGYANG MIRAE UNIVERSITY	4.14

Thesis Information

Level : Master Thesis
Field : Electronics Engineering
University : Inha University
Title of Thesis : Texture Descriptor and Applications for Automated Diagnosis of Low Attenuating Lung Diseases

Level : Bachelor Thesis
Field : Electronics Engineering
University : Inha University
Title of Thesis : Follow-Me Cart

WORKING EXPERIENCE

Workplace	Position	Year	Duration
Inha University	Research Assistant	2009	2 Years
Inha University	Office Assistant	2010	1 Years
Inha University	Teaching Assistant	2010	1 Year
Erae Electronics	Tester	2006	2 Months
Universiti Teknikal Malaysia	Lecturer (Embedded Software Design)	2011	7 years
REKA	Head of R&D, CRO	2014	Until present

TEACHING EXPERIENCE

Level	Subject	Year
Bachelor	System Software	2010
Bachelor	Embedded Software System	2011-2017
Bachelor	User Interface Design & Programming	2011-2017

TECHNICAL EXPERIENCE (Official Projects)

No.	Project Title	Description	Year
1.	AI Robot Cleaner	A robot controlled by a microcontroller that mop the floor automatically and avoid the obstacle in front of it while mopping the floor in zigzag pattern. Field: Embedded System, A.I, Electronics System, Computer system, Electronic Sensor, Microcontroller	2007
2.	Smart Home Safety System	A model of house that its power switches are controlled by a remote control and equipped with smoke and anti-thief sensors. Field: Electronics System, Wireless system, Electronic Sensor, Microcontroller	2007
3.	Smart Home Automation	A model of house that its doors, roof, and power switches are controlled by a wireless LCD remote control and equipped with fire sensor (turn on if $T > 60$ C), smoke and anti-theft sensors. Field: Electronics System, Wireless system, Electronic Sensor, Microcontroller, Motor control	2008
4.	Shake Monitor for fragile products	A device that monitor the strength of the shake or vibration on fragile objects. If the vibration is too strong the device will trigger an alarm. Field: Electronic System, Electronic Sensor, Microcontroller	2008
5.	Mastermind Game Board	A device where you can play mastermind with other player. One player uses the board and the other using the PC. The board communicates wirelessly with the PC with the Real Time operating system. Field: Embedded System, Electronics System, Computer system, Microcontroller, Network, and Operating System.	2008
6.	Pipe Climbing Robot	Robot that climb a pipe and can stop automatically on the end of the pipe by using IR sensor and microcontroller Field: Electronic System, Electronic Sensor, Microcontroller	2008
7.	Banana Detection Software	A software that detects banana using webcam Field: MATLAB, Computer vision, Software	2008
8.	Auto Carpark System	Carpark systems that detect whether there are any empty space and alert the information to the entrance machine. To park, user need to input a password and retrieve their car using the same password Field: Electronics System, Electronic Sensor, Microcontroller, Motor control	2009
9.	Image Editor Software	Software to edit images (like Photoshop) using Matlab Field: Image Processing, Software Development, MATLAB	2009
10.	Follow-Me Cart	A supermarket cart that follows their user in the supermarket. Each user uses unique key in order to transmit unique signal to their cart. The cart also able to avoid obstacle. The cart is controlled by 2 microcontroller with RTOS embedded inside. Field: Embedded System, Sensory, Computer System, Wireless Communication, Motor Control, Electronics System, Microcontroller, Operating System	2009
11.	E-mail System	A software to send email to anyone using POP3 protocol Field: Computer Network, Software Development	2009
12.	Emphysema recognition software	Software that detects Emphysema captured using CT images using texture feature. Field: Image processing, Medical image analysis, Computer vision, Software Development	2010

13.	Smart Money-Box	Money-Box (Tabung) that detect the coin and count the amount of coins and show and saves the amount on a PC. It also records the number of non-Malaysian coin. Field: Computer Vision, Image Processing, Embedded System, Motor Control, Sensory, Microcontroller, Matlab, and Software Development.	2010
14	RT Banknote Recognizer	A Device that detect Korea Banknote and recognize the amount of the banknote using RTOS and microcontroller Field: Embedded System, Microcontroller, Sensory, Operating System	2010
15	Accelerometer based Game Controller	A Game Controller that detect any angle change and send the location or motion data to the PC that playing the game. Field: Embedded System, Device Driver, Serial Communication, Microcontroller, Windows Programming, RTOS, Sensory	2010
16.	Spy Robot	A robot that can be controlled wirelessly from PC and send Video data to PC wirelessly all by Bluetooth protocol Field: Embedded System, Motor Control, Bluetooth, Serial Communication, OS, Sensory	2010
17.	Garbage recycle robot	A robot that can distinguish three types of garbage (paper, glass, can) by using object recognition method Field: Embedded System, Object Recognition, Motor Control, OS, Sensory, Machine learning	2010
18.	Driver's Fatigue Alarm	A device that check driver's fatigue by observing the driver's eye. If the eyes close more than 7s, an alarm will be triggered. Field: Embedded System, Image Processing, Computer Vision, Sensory, Microcontroller, Network	2010
19.	Smartphone wireless motion joystick	A Samsung GalaxyS smartphone application based on Android environment using 3D accelerometer sensor Field: Embedded System, Android Programming, XML, Software Development	2010
20.	Lung Cancer Detection System	Software that detect lung cancer by using 3D feature from CT image. Field: Computer vision, image processing, Software	2010
21	Advance Smart Home	A home that can be controlled using internet connection from PC and Mobile phone, The house also equipped with human sensor. If the house is locked and it detects human appearance, it will trigger an alarm and send message to Smartphone application. Field: Embedded System, Microcontroller, Computer Network, Sensory, Electronics System, Android	2011
22	Android Application	Has developed more than a dozen Android Application using various sensors and interface on smartphone Field: Embedded System, Microcontroller, Computer Network, Sensory, Electronics System, Android	2011-2012
23	Heartbeat detector	A module of heartbeat detector based on optical sensors. Field: Embedded System, Microcontroller, Computer Network, Sensory, Electronics System	2012
24	WLAN Video Processing Trainer	An educational training system to experience in wireless LAN video processing using IP camera. It includes two volumes of textbooks with more than 20 chapters of theoretical and empirical examples using the trainer. Field: Embedded System, Wireless Computer Network, Video Processing, Signal processing	2012
25	Alcohol Vending Machine with MyKad Security	A prototype of alcohol vending machine where the user need to verify their age and religion via Mykad. Field: Embedded System, Microcontroller, Sensory, Electronics System, Windows Programming	2013

26	Image based mass attendant checker for Android	User captures the image of students while they are on their seat and this application will check their attendants based on their faces. Field: Image Processing, Android	2013
27	Sole Cleaner	A low power shoes sole cleaner that is used to clean dirty or wet sole before entering building. Field: Embedded System, Microcontroller, Sensory, Electronics System	2013
28	Android based mobile electricity usage checker for TNB	An Android application for measuring the electric meter using the camera and send the data to the TNB server. Field: Embedded System, Wireless Network, Sensory, Image Processing, Electronics System, Android	2013
29	Wifi-based HD Signage Controller	An embedded device that changes any visual display into remotely controlled HD digital signage. Field: Embedded System, Wireless Network, Sensory, Linux, Multimedia	2014
30	Motorcycle location Tracker for Android	Android app to locate motorcycle using 3G networks and GPS sensor. Field: Embedded System, Microcontroller, Wireless Network, Sensory, Electronics System, Android	2013-2014
31	Object Locator for Android	Android app to find object that embedded with Bluetooth sensor. Field: Embedded System, Microcontroller, Bluetooth, Electronics System, Android	2013-2014
32	Car parking status reminder for Android	Android app to alert the user if their parked car did not locked, turned off light or shut down the window. Field: Embedded System, Microcontroller, Computer Network, Sensory, Electronics System, Android	2013-2014
33	Various Web apps	More than 30 apps including tracker, management, ecommerce, forum, social, etc. Field: HTML5, PHP, Ruby, Web app.	2014-2016
34	Various mobile apps	More than 20 apps including tracker, management and POS system Field: Android	2014-2016
35	Subsurface	Manhole content anti-theft system Field: Embedded System, DSP, IoT, Web	2015
36	Crumbs	Low-cost motor tracker Field: Embedded System, IoT	2015
37	Energy-Rec	IoT sensory to monitor power conversion system form mechanical to AC system. Field: Embedded System, DSP, IoT, Web	2015
38	Fuzzy based 3 phase power consumption reducer	Device to reduce home power consumption using Fuzzy on 3 phase power system Field: Embedded System, Electrical, Fuzzy	2015
39	Grass Watering Robot	Robot that water grass daily basis or when grass is dry Field: Embedded System, Electrical, Robotics	2015
40	On Off Switch (OOS)	IoT based power extension. Turn on or off power supply using internet Field: Embedded System, IoT	2015
41	BLE Flood Level Detection	Estimate river water level using Bluetooth electromagnetic wave. Field: Embedded system, RF	2015
42	Car Anti Theft Tracker	Tracker for cars that alerts user on unauthorized entering Field: Embedded System, Communication	2015
43	MypH-IoT	Water ph level monitoring from apps and web using lot Field: Embedded System, IoT	2015
44	IoT Moisture	Moisture level monitoring from apps and web using lot Field: Embedded System, IoT	2015
45	Real-Time IoT tuner	IoT based real-time response from physical to web visualization	2015

		Field: Embedded System, IoT, Web application Php	
46	Panic Button	Security house alert system using smartphone Field: Embedded System, IoT	2015-2016
47	BlueSuar	Astro remote control using Android phone Field: Embedded System	2015-2016
48	RIG Lite	Original 8-bit developer board Field: Embedded System, IoT	2016
49	RIG CELL Lite	Original 8-bit IoT developer board Field: Embedded System, IoT	2016
50	CRETA	Self driving car Field: Embedded System, Image Processing, AI	2016-2017
51	CLANK	Machine Monitoring IoT System Field: Embedded System, IoT	2017

PROFESSIONAL MEMBERSHIP

No.	Membership	Registration date	Status
1	Institute Engineer Malaysia	18. 7. 2011	Grad. Member
2	Board of Engineer Malaysia	28. 10. 2009	Grad. Member
3	IEEE	1 .10. 2017	Member
4	International Association of Computer Science and Information Technology	1. 6. 2011	Member
5	Korean Institute of Information Scientists and Engineers	6. 6. 2010	Member
6	Institute of Electronics Engineer of Korea	29. 9. 2009	Member
7	International Association of Engineers	14. 9. 2011	Member

RESEARCH AND PUBLICATION

No.	Level	Volume
1.	Korea Grant	The Lung Disease and The Heart Disease Diagnostic System Using Chest X-ray and CT Images,R01-2008-000-20685-0(South Korea),2 Years,9/2008
2.	Korea Grant	Development of SoC and System S/W for UHDTV,2010-0008355(South Korea),1 Year, from 3/2010 to 3/2011
3.	Korea Grant	Spectral Image Based Target/ Spot Properties Analysis,UD100006CD (South Korea),
4.	Short Term Grant	Birds Eye View Image Comprehension Using Embedded Vision Technology PJP/2011/FKEKK(44B)/S00979
5.	Short Term Grant	Object Recognition Of Birds Eye View Image Based On Neural Network PJP/2011/FKEKK(43B)/S00978
6.	Short Term Grant	Performance Evaluation of 2.4 Ghz Zigbee Wireless Network Using Practical Measurement Technique, PJP/2011/FKEKK(29B)/S00928

7.	Short Term Grant	Gender Classification Based On Face Features For Mobile Device Using Local Binary Patterns, PJP/2013/FKEKK(43B)/S01235
8.	Impact International Journal	Khairul-Muzzammil Saipullah and Deok-Hwan Kim, "A robust texture feature extraction using the localized angular phase", Multimedia Tools and Applications, Springer, Vol 59, Issue 3, pp. 717-747, August 2012.
9.	Korea Journal	Khairul Muzzammil, Shao-hu Peng, and Deok-Hwan Kim, "Texture Descriptor for Texture-Based Image Retrieval and Its Application in Computer-Aided Diagnosis System", Journal of the Institute of the Electronics Engineers of Korea, Vol. 47-CI, No.4, July, 2010.
10.	Korea Journal	Shao-Hu Peng, Khairul-Muzzammil Saipullah, Byung-Choon Yun, Deok-Hwan Kim, "Fast Video Motion Estimation Algorithm Based on Motion Speed and Multiple Initial Center Points Prediction", Journal of KIISE: Computing Practices and Letters, Vol. 16, No. 12, December 2010.
11.	Korea Journal	Shao-Hu Peng, Hyun-Soo Kim, Khairul-Muzzammil Saipullah, Deok-Hwan Kim, "Study of the Haar Wavelet Feature Detector for Image Retrieval", Journal of the Institute of the Electronics Engineers of Korea, Vol. 47-CI, No.1, Jan 2010.
12.	Korea Journal	Hyun-Soo Kim, Shao-Hu Peng, Khairul-Muzzammil Saipullah, Deok-Hwan Kim, " Pulmonary Vessel Extraction and Nodule Reclassification Method Using Chest CT image", Journal of the Institute if the Electronics Engineers of Korea, Vol. 46-CI, No.6, Nov 2009.
13.	Korea Conference	Khairul Muzzammil, Shao-hu Peng, Hyun-Soo Kim and Deok-Hwan Kim, "Texture Feature Extractor Based on 2D Local Fourier Transform", 31th Korea Information Processing Society Spring Conference, April 2009
14.	Korea Conference	Khairul-Muzzammil Saipullah, Shao-Hu Peng, Hyun-Soo Kim, Deok-Hwan Kim, "Lung Region Detection using Seeded Region Growing", IEEK 2009, November 2009.
15.	Korea Conference	Shao-Hu Peng, Khairul-Muzzammil Saipullah, Deok-Hwan Kim, " Quantitative Image Analysis of Chest CT Using Gray Level Local Binary Pattern", International Conference on Convergence Content, pp. 129, Dec 2009

16.	International Conference	Khairul-Muzzammil Saipullah, Shao-Hu Peng, Hyun-Soo Kim, Deok-Hwan Kim," Texture Classification By Implementing Blur, Scale and Grey Shift Insensitive Texture Descriptor Based on Local Fourier Transform ", Proc. International Workshop on Advance Image Technology, pp. 74, Jan 2010.
17.	Korea Conference	Byung-Choon Yun, Khairul-Muzzammil Saipullah, Deok-Hwan Kim, "Digital Video Scrambling System Design and Performance Comparison based on Embedded System", April, SoC 2010.
18.	Korea Conference	Khairul Muzzammil, Shao-hu Peng, Min-Wook Park and Deok-Hwan Kim, "Texture Classification Using Local Neighborhood Differences", 33th Korea Information Processing Society Spring Conference, April, 2010.
19.	Korea Conference	Khairul Muzzammil, Shao-hu Peng, Min-Wook Park and Deok-Hwan Kim, "Emphysema Region Pre-Detection Method for Emphysema Disease Diagnosis using Lung CT Images", Korea Computer Congress, June, 2010.
20.	Korea Conference	Shao-hu Peng, Khairul Muzzammil, Min-Wook Park and Deok-Hwan Kim, "Fast Motion Estimation Based on Motion Speed and Multiple Initial Center Point Prediction", Korea Computer Congress, June, 2010.
21.	Korea Conference	Min-Wook Park, Shao-hu Peng, Khairul Muzzammil, and Deok-Hwan Kim, "Texture Feature Extraction Combining Gray Level and CS-LBP, Korea Computer Congress, June, 2010.
22.	Impact International Conference	Shao-Hu Peng, Khairul-Muzzammil Saipullah, Deok-Hwan Kim, "Robust Feature Detection Based on Local Variation for Image Retrieval", The International Conference on Image Processing (ICIP), Sept, 2010.
23.	Korea Conference	Khairul-Muzzammil Saipullah, Byung-Choon Yun, Deok-Hwan Kim, "Unsupervised Multispectral Image Segmentation Based on 1D Combined Neighborhood Differences", 34th Korea Information Processing Society Spring Conference, November, 2010.
24.	Korea Conference	Khairul-Muzzammil Saipullah, Byung-Choon Yun, Deok-Hwan Kim, "Surface Texture Classification Using Local Shape Feature", IEEK 2010, November, 2010.
25.	Korea Conference	Byung-Choon Yun, Khairul-Muzzammil Saipullah, Deok-Hwan Kim, "The Lightweight Scrambling Method in Compressed-Domain for Digital Video Security", IEEK 2010, November, 2010.

26.	Korea Conference	Khairul-Muzzammil Saipullah, Deok-Hwan Kim, "Spectral Classification Using Adaboost Spectral Angle Mapper for Hyperspectral Image Analysis", Workshop on Image Processing and Image Understanding (IPIU2011), Jeju Island, Korea, February 2011.
27.	Impact International Conference	Khairul-Muzzammil Saipullah, Deok-Hwan Kim, Seok-Lyong Lee, " rotation invariant texture feature extraction based on sorted neighborhood difference", IEEE International Conference on Multimedia and Expo 2011, Barcelona, August 2011.
28.	Impact International Conference	Khairul Muzzammil Saipullah and Deok-hwan Kim, "Spectral dimensionality reduction based on intergrated bispectrum phase for hyperspectral image analysis," SPIE Remote Sensing 2011,19-22 September,Prague, Czech Republic, 2011.
29.	Impact International Conference	Khairul Muzzammil Saipullah, Mai Mariam Mohamed Aminuddin, Izadora Mustaffa, Ammar Anuar and Nuraishah Sarimin, "Continuous Local Histogram Desriptor For Diagnosis of Bronchiolitis Obliterans", 5 Dicember 2011, IEEE Hybrid Intelligence System 2011 (HIS2011)
30.	Impact International Conference	Izadora Mustaffa, Mai Mariam Mohamed Aminuddin, Khairul Muzzammil Saipullah,"Feasibility Of N1-P2 Habituation To Differentiate Loudness Levels," International Conference on Biomedical Engineering (ICoBE 2012), 27 February 2012.
31.	International Journal	Khairul Muzzammil bin Saipullah, Nurul Atiqah Ismail, Deok-Hwan Kim, "The Pruning of Combined Neighborhood Differences Texture Descriptor for Multispectral Image Segmentation," International Journal of Computer Technology and Electronics Engineering, Vol 1, Issue 3.
32.	International Journal	Ammar Anuar, Khairul Muzzammil bin Saipullah, Nurul Atiqah Ismail, Yew-Guan Soo, "OpenCV Based Real-Time Video Processing Using Android Smartphone," International Journal of Computer Technology and Electronics Engineering, Vol 1, Issue 3.
33.	Impact International Conference	Nurul Atiqah Binti Ismail1, Khairul Muzzammil Bin Saipullah, Ammar Anuar, Nuraishah Sarimin And Yewguan Soo, "Analysis Of Real-Time Object Detection Methods For Android Smartphone,"3rd International Conference On Engineering And ICT (ICEI2012)

34.	Impact International Conference	Khairul Muzzammil bin Saipullah, Ammar Anuar, Nurul Atiqah binti Ismail and Yewguan Soo, "Real-Time Video Processing Using Native Programming on Android Platform," IEEE Colloquium on Signal Processing & Its Applications (CSPA2012)
35.	Impact International Journal	Khairul Muzzammil bin Saipullah, Deok-Hwan Kim, "Target detection of hyperspectral images based on their Fourier spectral features," Optical Engineering, Volume 51, Issue 11, June 2012.
36.	Impact International Journal	Khairul Muzzammil Saipullah, Ammar Anuar, Nurul Atiqah Ismail and Yewguan Soo, "Measuring Power Consumption for Image Processing on Android Smartphone," American Journal of Applied Sciences (Accepted)
37.	Impact International Journal	Khairul Muzzammil Saipullah, Nurul Atiqah Ismail, Ammar Anuar, Nuraishah Sarimin, "Comparison Of Feature Extractors For Real-Time Object Detection On Android Smartphone," Journal of Theoretical and Applied Information Technology, Volume 47 No 1, pp. 135-142, 2013
38.	Impact International Journal	Khairul Muzzammil Saipullah, Deok-Hwan Kim, Nurul Atiqah Ismail, "Accelerating Emphysema Diagnosis On Lung Ct Images Using Emphysema Pre-Detection Method," Journal of Theoretical and Applied Information Technology , Volume 47 No 1, pp. 129-134, 2013
39.	Impact International Conference	Khairul Muzzammil Saipullah, Deok-Hwan Kim, Nurul Atiqah Ismail, "Enhancing Spectral Classification Using Adaboost," 2012 IEEE Asia-Pacific Conference on Applied Electromagnetics (Accepted)
40.	Impact International Journal	Khairul Muzzammil Saipullah, Ammar Anuar, and Nurul Atiqah Ismail, "Jakim's Halal Logo Recognition System Based On Android Smartphone," International Conference on Design and Concurrent Engineering, October 2012. (Accepted)
41.	Impact International Conference	Khairul Muzzammil Saipullah, Nurul Atiqah Ismail and Yewguan Soo, "Feature Extractor for the Classification of Approved Halal Logo in Malaysia," IEEE International Conference on Control System, Computing and Engineering, November 2012. (Accepted)
42.	Impact International Journal	Khairul Muzzammil Saipullah, Nurul Atiqah Ismail, Yewguan Soo, "Feature Extraction method for Classification of Approved Halal Logo in Malaysia using Fractionalized Principle Magnitude," Engineering Management Reviews , Volume 2 (2) – Jun 1, 2013

43.	Impact International Journal	Khairul Muzzammil Saipullah, Nuraishah Sarimin, Nurul Atiqah Ismail, "A Fuzzy Texture Descriptor Using Combined Neighborhood Differences, "International Journal of Computer Science and Electronics Engineering (IJCSEE) Volume 1, Issue 3, pp. 395-399, 2013
44.	International Book	Khairul Muzzammil Saipullah, "WLAN Video Processing using WP-001," Man& Tel Publishing, 2012
45	IP	Khairul Muzzammil, Muhammad Haziq Faris, Muhajir, " "COCOON INJECT (CI):An Hardware To Decode And Compress Infrared Or RF Digital Signals Into Text Data For Text-Based Communication As In HTTP And UART"
46	IP	Khairul Muzzammil, Muhammad Haziq Faris, Muhajir, " "RIG Cell Lite: Cellular IoT Board"
47	IP	Khairul Muzzammil, Muhammad Haziq Faris, Muhajir, " "RIG Cell Lite Circuit Design"
48	IP	Khairul Muzzammil, Muhammad Haziq Faris, Muhajir, " "Autonomous Control Design For 2.4 CC Automatic Vehicle"

SKILLS AND COMPETENCY

Hardware	Software/ Tools
AVR microcontroller	MATLAB
ARM microprocessor	Visual C++
DSP microprocessor	.NET
Bluetooth	MFC
Zigbee	MySQL
RF Wireless	MicroCOS-II
Embedded Board	Linux Ubuntu/Fedora/Red Hat
Socket Ethernet	AVR Studio, Arduino IDE
UART/USART Communication	Keil
Electric Motor (step, DC, Servor)	CodeVision
Electronics Sensory	IAR
Smartphones (Android)	Proteus
Raspberry Pi	SQL
GPRS, GSM	Game Engine for Android
Circuit Design	Android (Eclipse, IntelliJ, Netbean, QT, Xamarin, Androis Studio)
PCB Design (Eagle & Proteus)	Latex
NVDIA Jetson TX2	WinAVR
NVDIA GPU CUDA	Python, Ruby, PHP, HTML5, JS
ODB2 Communications	MAMP, XAMP
LIDAR	DJANGO, LARAVEL
IMU Sensor	Sublime, Cpanel
I2C, SPI, CANBUS Communication	GCM, IBM Watson

AWARD/CONFERMENT/ACKNOWLEDGEMENT

1. Korea Embedded Software Contest 2008
2. Top 15% Best Paper IEEE ICME 2011, BARCELONA 2011
3. Judge of INOTEK 2010, UTeM
4. Panel of FKEKK Final Year Project 2010/2011 Session
5. Gold Medal, UteM Expo 2012
6. Silver Medal, Malaysia Technology Expo 2012
7. World Halal Research 2012 Exhibition.
8. Silver Medal, UTEMEX 2013
9. Silver Medal, Malaysia Technology Expo 2014