CURRICULUM VITAE

Dr. Mohd Hanif Yaacob
Department of Computer & Communication systems
Faculty of Engineering
Universiti Putra Malaysia
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Nationality

Malaysian

Educations

1. Kolej Islam Sultan Alam Shah, Klang, Selangor
2. Maktab Sains MARA, Kuala Lumpur
3. Northern Consortium of United Kingdom, Institut Teknologi MARA, Shah Alam, Selangor
4. Salford University, Salford, UK
5. Universiti Putra Malaysia, Serdang, Selangor
6. Royal Melbourne Institute of Technology (RMIT) University, Melbourne, Australia

Academic Qualifications

- PhD in Electrical and Computer Engineering, RMIT University, Australia, 2012
- MSc Communications and Network Engineering, Universiti Putra Malaysia, Malaysia, 2002
- B.Eng. (Hons) Electronic Computer System, Salford University, UK, July 1999

Professional Qualification/ Membership/ Affiliation

- Member, Photonics Society, Institute of Electrical and Electronics Engineers (IEEE), USA
- Member, Australian Nanotechnology Network (ANN)

Experience: Full-Time

1. Tutor, Department of Computer and Communication Systems Engineering, Faculty of Engineering, Universiti Putra Malaysia (January 2000 ï July 2003)
2. Lecturer, Department of Computer and Communication Systems Engineering, Faculty of Engineering, Universiti Putra Malaysia (July 2003 ï Present)

Experiences

- July 2003 – Present Lecturer, Department of Computer and Communication Systems Engineering,
  Faculty of Engineering, Universiti Putra Malaysia
- Jan 2000 – Jul 2003 Tutor, Department of Computer and Communication Systems Engineering,
  Faculty of Engineering, Universiti Putra Malaysia
- Oct 1999 – Dec 1999 Research Assistant, Department of Computer and Communication Systems Engineering,
  Faculty of Engineering, Universiti Putra Malaysia

Administrative Duties and Other Responsibilities

NATIONAL

1. Member of ICT Advisory Committee for ANGKASA, Malaysia Ministry of Energy, Water and Communication (Jan – July 2007)

UNIVERSITY

1. Head of Electronic Engineering Laboratory, Department of Computer and Communication Systems Engineering, Faculty of Engineering, Universiti Putra Malaysia, UPM (Aug 2011 - present)
2. Committee Member of Collaboration Program with Renesas (M) Sdn Bhd (2006 – 2007)
3. Coordinator of Collaboration Program UPM-IPTS : DKTM Kolej UNITI (Jan 2012 – present)

Areas of Interest

- Photonics
- Nanotechnology
- Optical Sensors
- Communications and Optoelectronics (systems and devices)

Research Grants

Principle Researcher

Topic/ Sponsor	Amount (RM)
1. Development and Implementation of Home Environment Using Bluetooth Technology, MOSTI (2004 ï 2006)	133,000
2. Ultra Sensitive Ammonia Sensor Based On Tapered Optical Fiber Coated With Nanostructured Thin Films, RUGS 2 (2012 ï 2014)	155,000

Co-Researcher

1. National Top-down Photonic Project, MOSTI (2000 - 2003)	3,500,000
2. Development of On-board Computer for an Unmanned Aerial Vehicle (UAV), MOSTI (2006 ï 2008)	148,000
3. ZigBee Based Non-Invasive Medical Sensors for Wireless Body Area Network, MOSTI (2006 ï 2008)	196,000
4. Design and Development of OSCDM Transponders for Metro Networks, MOSTI (2006 ï 2008)	108,000
5. Design and Development of an Integrated Tunable Laser and Amplifier, MOSTI (2008 ï 2009)	207,800
6. Development of 3-D Laser Ranger for Building Surveying, MOSTI (2008 ï 2010)	220,300
7. Design and Development of Robust Communication Model and Control System with incorporated Decentralized Renewables in Smart Grids, MOSTI (2012 ï 2014)	227,200
8. Nano-photonic Microfiber Sensors for Low Concentration Volatile Organic Compound Detection, RUGS 1 (2012 ï 2014)	234,000
Total Research Grant Received	**5,129,300**

Consultancy Projects

- Consultant: Technology Pre-feasibility and Feasibility Study to Develop and Manufacture Optical Media Converter for Metropolitan and Access Network Application (AJV Electronics - 2005) ï RM 7,000.00.

Student Supervisions

- 8 Postgraduate students ï completed (co-supervisor - 4 MSc), on-going (main supervisor ï 2 MSc, co-supervisor 2 PhD and 2 MSc)
- 15 BEng projects ï 15 completed and 2 on-going

Academic Reviewers

1. Secretary and Assistant Editor, IEEE LEOS Malaysian Conference on Photonics 2005
2. Reviewer, MMU International Symposium on Information and Communications Technologies (M2USIC 2005)
3. Secretary, ICT Technical Committee & Editorial Board, World Engineering Congress 2007 Jan - July 2007
4. Reviewer, IEEE Malaysia International Conference on Photonics 2011
5. Technical Committee, IEEE Malaysia International Conference on Photonics 2012
6. Reviewer, IEEE Malaysia International Conference on Intelligent and Advanced Systems (ICIAS) 2012

7. Journal Reviewer, Physica E: Low-Dimensional Systems and Nanostructures (Q3)
8. Journal Reviewer, Sensors and Actuators B: Chemical (Q1)
9. Journal Reviewer, ECS Solid-State Letters (Q2)

Professional Activities

1. Member, IEEE, USA
2. Exco, IEEE Malaysia Photonics Society, 2004 & 2012
3. Chair, IEEE GOLD Malaysian Chapter, 2005-2006
4. Member, Australian Nanotechnology Network (ANN)
5. Fiber Optic Association Inc. (FOA) USA ï Fiber Optic Certified Technician Certificate

Publications

TOTAL NUMBER OF PUBLICATIONS = 47

- » Journals = 14
- » Chapter in Books = 1
- » Conference Proceedings = 31
- » Consultancy Report = 1

Journals - Citation Index

1. A.A.A. Bakar, M.Z. Jamaludin, F. Abdullah, **M.H. Yaacob**, M.A.Mahdi, M.K. Abdullah, A New Technique of Real-Time Monitoring of Fiber Optic Cable Networks Transmission, Optics and Lasers in Engineering, Issue 1, vol. 45, pp.126-130, 2006. Impact Factor: 1.660 (Q2)
2. **M.H. Yaacob**, M. Breedon, K. Kalantar-zadeh, W. Wlodarski, ñAbsorption spectral response of nanotextured WO_3 thin films with Pt catalyst towards H_2,ò Sensors and Actuators B: Chemical, vol. 137, no. 1, pp. 115-120, 2009. Impact Factor: 3.898 (Q1)
3. **M.H. Yaacob**, J. Yu, K. Latham, K. Kalantar-zadeh, W. Wlodarski, ñOptical Hydrogen Sensing Properties of Nanostructured Pd/MoO_3 Films,ò Sensor Letters, vol 9, no. 1, pp. 16-20, 2011. Impact Factor: 0.819 (Q3)
4. E. Della Gaspera, A. Martucci, **M. Yaacob**, J. Ou, K. Kalantar-zadeh, W. Wlodarski, ñWO_3-Au-Pt nanocrystalline thin films as optical gas sensors,ò Sensor Letters, vol 9, no. 1, pp. 595-599, 2011. Impact Factor: 0.819 (Q3)
5. **M.H. Yaacob**, J.L. Campbell, A. Wisitsoraat and W. Wlodarski, ñGasochromic Response of Pd/NiO Nanostructured Film towards Hydrogen,ò Sensor Letters, vol 9, no. 1, pp. 898-901, 2011. Impact Factor: 0.819 (Q3)
6. A. Chapelle, **M.H. Yaacob**, I. Pasquet, L. Presmanes, A. Barnabé, P. Tailhades, J. Du Plessis and K. Kalantar-zadeh, ñStructural and gas-sensing properties of CuOï $Cu_xFe_{3-x}O_4$ nanostructured thin films,ò Sensors and Actuators B: Chemical, vol. 153 (1), pp. 117-124, 2011. Impact Factor: 3.898 (Q1)
7. J.Z. Ou, **M.H. Yaacob**, M. Breedon, H.D. Zheng, J.L. Campbell, K. Latham, J.du. Plessis, W. Wlodarski and K. Kalantar-zadeh, ñIn-situ Raman Spectroscopy of H_2 Interaction with WO_3 Films,ò Physical Chemistry Chemical Physics, vol. 13, pp. 7330-7339, 2011. Impact Factor: 3.57 (Q1)
8. **M. Yaacob**, J. Ou, W. Wlodarski, C.S. Kim, J.Y. Lee, Y.H. Kim and J.H. Kang ñGasochromic Performance of WO_3 Nanorods Thin Films Fabricated with ArF Excimer Laser,ò Journal of Korean Physical Society, vol. 60 (3), pp. 393-397, 2012. (Q4)
9. J.Z. Ou, **M.H. Yaacob**, J.L. Campbell, K. Kalantar-zadeh and W. Wlodarski, ñH_2 Sensing Performance of Optical Fiber Coated with Nano-platelet WO_3 Film,ò Sensors and Actuators B: Chemical, vol. 166ï 167, pp. 1-6, 2012. Impact Factor: 3.898 (Q1)
10. J. H. Kang, C. Oh, J. Y. Kim, **M.H. Yaacob**, J. Ou and W. Wlodarski, ñOptical Sensing Properties of WO_3 Nanostructured Thin Films on Sapphire Substrate Towards Hydrogen,ò

Biomedical Engineering: Applications, Basis and Communications, Vol. 24 (2), pp. 123 ï 129, 2012. (Q4)

11. M. Z. Ahmad, A. Z. Sadek, **M. H. Yaacob**, D. P. Anderson, G. Matthews, V. B. Golovko, W. Wlodarski, "Optical Characterisation of Nanostructured Au/WO_3 Thin Films for Sensing Hydrogen at Low Concentrations," Sensors and Actuators B: Chemical (In Press), 2012. Impact Factor: 3.898 (Q1)
12. **M.H. Yaacob**, M.Z. Ahmad, A.Z. Sadek, J.Z. Ou, J. Campbell, W. Wlodarski, ñOptical Response of WO_3 Nanostructured Thin Films Sputtered on Different Transparent Substrates Towards Hydrogen of Low Concentration,ò Sensors and Actuators B: Chemical (accepted) 2012. Impact Factor: 3.898 (Q1)

Journals - Non Citation Index

1. **Mohd Hanif Yaacob**, Ahmad Ashrif Abu Bakar, Norhana Arsad, Norshamsuri Ali, Aidi Zakarna and Mohamad Khazani Abdullah, The Effects of a Feedback Capacitor in an Optical Receiver Designed with Transimpedance Amplifier, Jurnal Teknologi (D) UTM, no. 42, pp. 1-8, June 2005.
2. MT Al-Qdah, HA Abdul-Rashid , K Dimyati, **MH Yaacob**, BM Ali, M Khazani, CD and OBI Penalties in MOC-SCM Optical Networks in Presence of FWM, WSEAS Transactions On Communications, Issue 3, vol. 5, pp. 593-598, March 2006.

Chapter in Books

1. R. Arsat, **M. H. Yaacob**, P. L. Leow, F. K. C. Harun, K. Kalantar-zadeh and W. Wlodarski, "Electropolymerized Polyaniline Nanostructured Thin Films for Gas Sensing applications" Chapter 13, in Progress in Process Tomography & Instrumentation System: Series 3, ISBN: 978-967-354-180-5.

Conference Proceedings

1. Z Zan, S Hitam, WAW Adnan, **MH Yaacob**, MK Abdullah, Design of an Optical Fiber Link Employing QPSK Format with SCM Scheme, IEEE Asia Pacific Communication Conference, Penang, Sept 2003.
2. **MH Yaacob**, N Arsad, MA Mahdi, MK Abdullah, Reduction of Gain Peaking using a Simple Feedback Capacitor in an Optical Front-end Receiver, International Conference on Advances in Strategic Technologies, Kuala Lumpur, Aug 2003.
3. A.A.A. Bakar, **M.H. Yaacob**, M.Z. Jamaluddin, N. Ali, M.A. Mahdi and M.K. Abdullah, Fiber break monitoring system employing strong back-reflected light in optical fibers, MMU International Symposium on Information and Communication Technologies (M2USIC 2004), paper TS 2C ï 3, pp. 8-10, 2004.
4. M.S.Z. Abidin, A.W. Naji, M.H. Al-Mansoori, S.B.A. Anas, **M.H. Yaacob**, F.R.M. Adikan and M.A. Mahdi, Design considerations of remotely-pumped EDFA location in repeaterless transmission systems, MMU International Symposium on Information and Comm. Technologies (M2USIC 2004), paper TS 1C ï 5, pp. 15-18, 2004.
5. M. S. Z. Abidin, A.W. Naji, M. H. Al-Mansoori, S. B. A. Anas, **M. H. Yaacob**, F.R.M. Adikan and M. A. Mahdi, Optimization of Remotelyï Pumped EDFA Location In Repeaterless Transmission Systems, IEEE LEOS Malaysian Conference on Photonics 2004, Kuala Lumpur, Sept 2004.
6. SA Aljunid, MDA Samad, **MH Yaacob**, MK Abdullah, A Variable-Weight Code For Spectral Amplitude Coding Optical Code Division Multiple Access System, IEEE LEOS Malaysian Conference on Photonics 2004, KL, 2004.
7. N. Ali, M. Z. Jamaluddin, **M.H. Yaacob**, A.A.A. Bakar, M. K. Abdullah, Analysis the Effect of Wavelength Spacing on CWDM System in the Access Network, IEEE LEOS Malaysian Conference on Photonics 2004, Kuala Lumpur, Sept 2004.
8. Z.Zan, M.K.Abdullah, S.A.Aljunid, **M.H.Yaacob**, S.B.A.Anas, and S.Shaari, Design of Encoder and Decoder Modules based on Fiber Bragg Gratings (FBGs) for Spectral Amplitude Coding (SAC) Optical Code Division Multiple Access (OCDMA) System, IEEE

International Conference on Instrumentation, Communication, and Information Technology (ICICI) 2005, Bandung Indonesia, August 2005.

9. Z.Zan, S.A. Aljunid, **M.H. Yaacob**, M.K. Abdullah and S. Shaari, Design Configuration of Encoder and Decoder Modules for Modified Double Weight (MDW) Spectral Amplitude Coding (SAC) Optical Code Division Multiple Access (OCDMA) based on Fiber Bragg Gratings (FBGs), IEEE LEOS International Conference on Advanced Optoelectronics and Lasers (CAOL 2005), Ukraine, Sept 2005.
10. Z.Zan, S.A. Aljunid, **M.H. Yaacob**, S.B.A. Anas and M.K. Abdullah Design of Parallel and Serial Configurations of Encoder and Decoder Modules for Spectral Amplitude Coding (SAC) Optical Code Division Multiple Access (OCDMA) based on Fiber Bragg Gratings (FBGs), IEEE Malaysia International Conference on Communications 2005, Kuala Lumpur, November 2005.
11. MN Saadat, **MH Yaacob**, RKZ Sahbuddin, S Khatun, BM Ali and RSAR Abdullah, Bluetooth Based Wireless Remote Device Controlling and Data Acquisition, IEEE Advanced International Conference on Telecommunications (AICT 2006), Guadaloupe French Caribbean, February 2006.
12. Z. Zan, M.K. Abdullah, S.A. Aljunid, R.K.Z. Sahbudin, **M.H. Yaacob**, M. Mokhtar and S. Shaari, Effects of the Power Differences in the AND Subtraction Detection Technique in SAC-OCDMA System Performance, 2006 IEEE International Conference on Semiconductor Electronics (ICSE06), Kuala Lumpur, 29 Nov -1 Dec 2006.
13. Z. Zan, M.K. Abdullah, S.A. Aljunid, R.K.Z. Sahbudin, **M.H. Yaacob**, M. Mokhtar and S. Shaari, Wavelength Shifting in the Fiber Bragg Grating (FBG) Based Encoder and Decoder Modules for SAC-OCDMA System, 2006 IEEE International Conference on Semiconductor Electronics (ICSE06), Kuala Lumpur, 29 Nov -1 Dec 2006.
14. **M.H. Yaacob**, M. Breedon, K. Kalantar-zadeh, W. Wlodarski, ñH_2 Absorption Spectral Response of Nanostructured WO_3/Pt Films,ò Proceedings of the 12th International Meeting on Chemical Sensors 2008, pp. 421-422, Ohio, USA.
15. **M. H. Yaacob**, M. Breedon, K. Kalantar-zadeh, Y. Li, W. Wlodarski, ñComparative Study of the Gasochromic Performance of Pd/WO_3 and Pt/WO_3 Nanotextured Thin Films for Low Concentration Hydrogen Sensing,ò Proceedings of IEEE Sensors 2009, pp. 304-307, Christchurch, New Zealand.
16. **M.H. Yaacob**, A.Z. Sadek, K. Latham, K. Kalantar-zadeh, W. Wlodarski, ñOptical H_2 Sensing Performance of Anodized Nanoporous TiO_2 Thin Films,ò Proceedings of 23rd Eurosensors 2009 - Procedia Chemistry, vol. 1, no. 1, pp. 951-954, 2009, Lausanne, Switzerland.
17. **M.H. Yaacob**, M. Breedon, W. Wlodarski, K. Kalantar-zadeh, ñA systematic investigation into the gasochromic response observed in a series of Pd/WO_3 nanotextured thin films exposed to H2,ò Nano Today 2009, Singapore (presented)
18. R. Arsat, **M.H. Yaacob**, X. He, W. Wlodarski, K. Kalantar-zadeh, ñAbsorption Spectral Response of Electropolymerised Nanostructured Polyaniline Thin Films Towards NO_2,ò Nano Today 2009, Singapore (presented)
19. **M.H. Yaacob**, J. Yu, K. Latham, K. Kalantar-zadeh, W. Wlodarski, ñOptical H_2 Sensing Properties of Nanostructured Pd/MoO_3 Films,ò 8th Asian Conference on Chemical Sensors 2009, Daegu, Korea (presented)
20. **M.H. Yaacob**, J.L. Campbell, A. Wisitsoraat, K. Kalantar Zadeh and W. Wlodarski, ñGasochromic Response of Pd/NiO Nanostructured Film Towards Hydrogen, òProceedings of the 13th International Meeting on Chemical Sensors 2010, pp. 310, Perth, Australia.
21. **M.H. Yaacob**, J. Ou, O. Berger, W.-J. Fischer, K. Kalantar Zadeh and W. Wlodarski, ñGasochromic Response of Electron-beam Deposited WO_3 Thin Films Towards Low Concentrations of Hydrogen,ò Proceedings of the 5th Asia-Pacific Conference on Transducers and Micro-Nano Technology 2010, pp. 121, Perth, Australia.
22. E. Della Gaspera, A. Martucci, **M. Yaacob**, J. Ou, K. Kalantar-zadeh, W. Wlodarski, ñWO_3-Au nanocomposite thin films as optical gas sensors,ò Proceedings of the 13th International Meeting on Chemical Sensors 2010, pp. 287, Perth, Australia.

23. J. Ou, **M.H. Yaacob**, J.L. Campbell, H.Zheng, K. Kalantar-zadeh, W. Wlodarski, ñOptical Hydrogen Sensing of Anodized Nanoporous Tungsten Trioxide Film,ò Proceedings of the 13th International Meeting on Chemical Sensors 2010, pp. 70, Perth, Australia.
24. J.Z. Ou, M. Consales, **M.H. Yaacob**, M. Penza, A. Cusano, W. Wlodarski, ñOptical Fiber Gas Sensing Using WO_3 Nanostructured Layers,ò Proceedings of the 13th International Meeting on Chemical Sensors 2010, pp. 38, Perth, Australia.
25. J. Ou, **M.H. Yaacob**, M. Breedon, K. Kalantar-zadeh, W. Wlodarski, ñH_2 Sensing Performance of Optical Fiber Coated with Sputtered WO_3 Film,ò European Workshop on Optical Fibre Sensors (EWOFS) 2010 - Proceedings of SPIE, vol. 7653, pp. 76530N-76530N-4, Porto, Portugal.
26. J. Ou, **M.H. Yaacob**, J.L. Campbell, K. Kalantar-zadeh, W. Wlodarski, ñH2 Sensing Performance of Optical Fiber Coated with Nano-platelet WO_3 Film,ò24th Eurosensors 2010 - Procedia Engineering, vol. 5, pp. 1204-1207, Linz, Austria.
27. **M.H. Yaacob**, J. Ou, K. Kalantar-zadeh, W. Wlodarski, ñInvestigation of Nanostructured Tungsten Trioxide (WO_3) based Optical Sensor for Hydrogen (H_2) Sensing Application,ò IEEE Australia and New Zealand Student Congress 2010, Melbourne, Australia. 1st Prize Winner Project/Poster Presentation.
28. **M.H. Yaacob**, C.M. Oh, J.H. Kang, G. Sbverelgieri, W. Wlodarski, ñGasochromic Response Of WO_3 Nanorods Towards Low Hydrogen Concentrations,ò25th Eurosensors 2011, Athens, Greece.
29. Joonhee Kang, Chul M. Oh, **Mohd H. Yaacob**, Jian Z. Ou, Chung S. Kim, Jeong Y. Lee, Wojtek Wlodarski, ñOptical H_2 Sensing Properties Of WO_3 Nanostructured Thin Films on Sapphire (Al_2O_3) Substrate,ò 9th Asian Conference on Chemical Sensors 2011, Taipei, Taiwan.
30. J. Kang, C.M. Oh, C.S. Kim, J.Y. Lee, Y.H. Kim, M. Rekas, D. Flak, **M. H. Yaacob**, W. Wlodarski, ñFabrication of ZnO and WO_3 Nanostructured Thin Films by ArF Excimer Laser for Gas Sensing Applications,òEuropean Material Research Society (E-MRS) Meeting 2011, Strasbourg, France.
31. Wisitsoorat A., Ahmad M.Z., **Yaacob M.**, Horpratum M., Wlodarski Wojtek, ñOptical H_2 Sensing Properties of the WO_3 Nanorod Thin Films Deposited via Glancing Angle RF Magnetron Sputtering,ò 4th International Symposium on Transparent Conductive Materials 2012, Crete, Greece.

Consultancy Reports

1. M.K. Abdullah and **M.H. Yaacob**, Technology Pre-feasibility and Feasibility Study to Develop and Manufacture Optical Media Converter for Metropolitan and Access Network Application (2005).

Patent

1. Dual Core Erbium Doped Fiber Amplifier PI 20055029 (Pending)

Awards & Recognitions

1. Bronze, Media Converter, UPM Research & Invention Exhibition 2003, UPM.
2. Bronze, Automatic Protection Switch, 32nd International Invention and New Product Exhibition 2004, Geneva Switzerland
3. Gold Paper, A Variable-Weight Code For Spectral Amplitude Coding Optical Code Division Multiple Access System, IEEE LEOS Malaysian Conference on Photonics 2004, Kuala Lumpur
4. Excellent Scientist Award 2004, Malaysia Ministry of Higher Education, Kuala Lumpur, October 2004
5. Gold, Optical Fiber Duplexer Module, British Invention Show 2004, London, UK
6. Gold, Optical Fiber Duplexer Module and Double Carrier Modulation /Differential Detection, International Exhibition on New Inventions (IENA) 2004, Nuremberg, Germany

7. 2003 UPM Excellent Service Award - Universiti Putra Malaysia
8. 1st Place, Vehicle Collision Avoiding Device (VECAD), MSC-UPM Business Plan Competition 2004
9. 2nd Runner UP, Vehicle Collision Avoiding Device (VECAD), National MSC-Institute of Higher Learning Business Plan Competition, February 2005
10. Bronze, Development of Dual Core EDFA Based on Polarization, ITEX 2005 (16th International Invention, Innovation, Industrial Design and Technology Exhibition), Kuala Lumpur
11. Bronze, Wireless Remote Data Acquisition Using Bluetooth Technology, ITEX 2005 (16th International Invention, Innovation, Industrial Design and Technology Exhibition), Kuala Lumpur
12. Bronze, Development of Dual Core EDFA Based on Polarization, UPM Invention, Research and Innovation Exhibition 2005, UPM
13. Bronze, Wireless Remote Data Acquisition Using Bluetooth Technology, UPM Invention, Research and Innovation Exhibition 2005, UPM
14. Excellent Scientist Award 2005, Malaysia Ministry of Higher Education, Kuala Lumpur, August 2005
15. Bronze, Optical Fiber Duplexer Module, Malaysia IPTA Exhibition 2005, Kuala Lumpur
16. 2004 UPM Excellent Service Award - Universiti Putra Malaysia
17. Gold, Bluetooth Smart Remote Control and Sensor System (BLUESS), 54th World Exhibition on Innovation, Research and New Technologies (EUREKA 2005), Brussels, Belgium
18. Silver, Multi-channel m-health System with Embedded Bluetooth and J2ME Interfaces, Engineering Research, Innovation and Commercial Exhibition, Mac 2006, UPM
19. 2005 UPM Excellent Service Award - Universiti Putra Malaysia
20. 2005 UPM Excellent Researcher Award for International Exhibition ï Universiti Putra Malaysia
21. 2006 Selangor Young Scientist Award (team member) - Selangor State Government
22. 2007 PhD Scholarship Award, Islamic Development Bank (IDB), Jeddah, Saudi Arabia
23. 2007 PhD Scholarship Award, Malaysia Ministry of Science, Technology and Innovation
24. Best Project (1st Prize), IEEE Australia and New Zealand Student Congress 2010, Melbourne, Australia

Other Publication

1. Kaharudin Dimyati and Mohd Hanif Yaacob (editors), Proceeding of 2004 IEEE LEOS Malaysian Conference on Photonics, Bangi, 2004. ISBN 983-41948-0-3.