

BRIEF CV



Assoc. Prof. Dr. Abd. Rahman Ramli
Department of Computer and Communication Systems
Engineering, Universiti Putra Malaysia
43400 UPM-Serdang MALAYSIA
Tel : 03-8946 6430 / arr@eng.upm.edu.my



Academic Qualification:

- Ph.D., Image Processing, University of Bradford, U.K, 1995.
- M.SC (Eng), Information Technology System, University of Strathclyde, U.K., 1985.
- B.Sc., Electronics, Universiti Kebangsaan Malaysia, Bangi, 1982.

Professional Qualification/ Membership/ Affiliation:

- Institute of Electrical and Electronic Engineers (IEEE), Member, 1989-Present.
- IEEE Computer Society, Member, 1989-Present.
- IEEE Professional Communication Society, Member, 2002-Present
- IEEE Engineering Management Society, Member, 2000-Present.
- IEEE Consumer Electronics Society, Member, 2004-Present.
- Society for Imaging Science and Technology, Member, 1993-Present.
- Institute Physics of Malaysia, Member, 1985-2003
- European Association for Computer Graphics (Eurographics), Member, 1991-1994.
- Institute of Engineering and Technology (IET), Member, 2005-Present.
- Academician Association of UPM, Member, 1988-Present.

Appointments:

- 1982-1985. Tutor, Department of Physics, Universiti Pertanian Malaysia (UPM),
- 1985-1989. Lecturer, Department of Physics, Faculty of Science and Environmental Studies, upm
- 1989-1996. Lecturer, Department of Electronic and Computer Engineering, Faculty of Engineering,
- 1996-1998 Head of Department, Department of Computer and Communication System Engineering, Faculty of Engineering, UPM
- 1998-2003 Lecturer, Department of Computer and Communication System Engineering, Faculty of Engineering, UPM
- 2001- present Head, Intelligent Systems and Robotics Laboratory, Institute of Advanced Technology, UPM.
- 2003 - present Associate Professor, Department of Computer and Communication Systems Engineering, Faculty of Engineering, UPM

Area of Interest :

Image processing and electronic imaging, multimedia system engineering, Internet computing, smart card applications, embedded system, computer telephony integration, instrumentation, remote sensing, remote monitoring system and intelligence systems.

Research Area:

- INFORMATION, COMPUTER AND COMMUNICATION TECHNOLOGY (ICT), Signal Processing, Image processing and computer vision.
- INFORMATION, COMPUTER AND COMMUNICATION TECHNOLOGY (ICT), Security System, Surveillance system.

Research Topics (Project Leader);

Year	Topic/ Sponsor	Amount
1990	Development of computer aided physics experiment – 1990, sponsored by UPM, RM10,000.00, leader	10,000.00
1995	Automatic character recognition. Collaboration with Telekom R&D, 1995, member	250,000.00
1997	Colour image processing for tropical fruit inspection, IRPA, member	40,000.00
1997, 1998	Network Data Acquisition System, UPM-Ministry of Science, Technology and Environment, RM10,000.00, 1997, 1998 (continued – RM10,000.00), 50225-98-01, leader	10,000.00
1997, 1998	Multimedia engine development, 1997, 1998 (UPM- Ministry of Science, Technology and Environment – RM10,000.00), 50225-98-02, leader	10,000.00
1999	Internet-Based Data Acquisition and Monitoring System, UPM-Ministry of Science, Technology and Environment, RM10,000.00, 1999, 50208-99-27, leader	10,000.00
1999-2000	Embedded Internet-Based Systems Integration Using JAVA chip processor, IRPA (Ministry of Science, Technology and Environment), RM143,000.00, 1999-2000, leader.	143,000.00
2000-2001	Intelligent Web-Camera Application, RM230,000.00, 2000-2001, leader.	230,000.00
2000-2002	Comprehensive Expert Systems for Information Capturing, Sharing and Managing for Bioresource, Ecotourism and Related Industries, IRPA, RM402,000.00, 2000-2002, Mohamed Daud, Abd Rahman Ramli (member).	402,000.00
2002-2003	Development of Real-time Data Acquisition and Remote Monitoring System, IRPA (Ministry of Science, Technology and Environment), 09-02-04-0257-EA001, RM89,000.00, 2002-2003, Abd Rahman Ramli (leader) and Saiful Jahari Hashim.	89,000.00
April 2005	Automatic Muslim Prayer Time Calculation Using Global Positioning System, Short-Term UPM Research Grant, RM10,000.00, April 2004 – April 2005, Shaiful Jahari Hashim, Abd Rahman Ramli	10,000.00
October 2003 – February 2004.	UPM Smart card Development (MCEP), University Business Centre, UPM, RM40,000.00, October 2003 – February 2004.	40,000.00
2004-2006	Embbded Multimedia Module for Smart Home, IRPA, RM88,000.00, 2004-2006, Abd Rahman Ramli (leader) and Yaakob Mansor, 04-02-04-0799-EA001, Cost Centre: 54418.	88,000.00

	Integrated Monitoring System for Disaster Management, IRPA-EAR, RM185,000.00, Shattri Mansor, Abd Rahman Ramli (member).	185,000.00
	E-Spatial Tool for Digital Earth, IRPA-EAR, RM135,000.00, Shattri Mansor, Abd Rahman Ramli (member).	135,000.00
2003-2005	Design and Development of Vision System for Oil Palm Plantation Operation, 01-02-04-0471-PR0038/05-01, RM429,000.00, 2003-2005, Wan Ishak Wan Ismail, Abd Rahman Ramli (member).	429,000.00
1 May 2007 – 30 April 2008.	An Open-Standard for Autonomous Mobile Software Agent Based Intrusion Detection System, Khairulmizam Samsudin, Abd Rahman Ramli, RM45,000.00, RUGS, 1 May 2007 – 30 April 2008.	45,000.00
May 2007 – 30 April 2008	Early Breast Cancer Detection using the Wire-Mesh Collimator Gamma Camera and Hybrid Image Processing Method, Iqbal Saripan, Abd Rahman Ramli, RM59,000.00, RUGS, 1 May 2007 – 30 April 2008.	59,000.00
1 May 2007 – 30 April 2008.	Design and Implementation of Distributed-Based System Scalability and Interoperability Interface in Embedded Platform for Smart Community Township Development, RM148,000.00, 05/01/07/0148RU, 91148 leader, 1 May 2007 – 30 April 2008.	148,000.00
15 March 2007 – 14 March 2008	Mobile Personal Assistance Robot With Human Tracking Capability, New Appointed Lecturer Research Scheme Grant, UPM, RM10000.00, Advisor, 15 March 2007 – 14 March 2008	10000.00
15 March 2007 – 14 March 2008.	Adaptive Power Point Tracking for Photovoltaic (PV) Panels, New Appointed Lecturer Research Scheme Grant, UPM, RM10000.00, Advisor, 15 March 2007 – 14 March 2008.	10000.00
1 February 2007 – 31 January 2008.	Skin Burn Severity Assessment Via Mobile Network, New Appointed Lecturer Research Scheme Grant, UPM, RM7400.00, Advisor, 1 February 2007 – 31 January 2008.	7400.00
1 December 2006 – 30 May 2008.	Distributed Embedded System of Multimedia Applications for Ubiquitous Home Entertainment, Ministry of Science, Technology and Innovation, 01-01-04-SF0253, RM218,500.00, 1 December 2006 – 30 May 2008.	218,500.00
1 December 2006 – 30 November 2008	Design And Development Of 3D Biometric Face Recognition System, Ministry of Science, Technology and Innovation, 01-01-04-SF0525, RM146,440.00, 1 December 2006 – 30 November 2008, co-researcher.	146,440.00
1 December 2006 – 30 May 2008,	Weather Elements Detection And Removal In Robotic Vision, Ministry of Science, Technology and Innovation, 01-01-04-SF0600, RM217,000.00, 1 December 2006 – 30 May 2008, co-researcher.	217,000.00

Student Supervision

- 18 PhD students – 4 completed, 3 viva/submitted, 5 passed QE, 6 on-going
- 37 MS students (research) – 27 completed, 3 Viva/ submitted, 4 on-going and 3 terminated/ withdrew
- 26 MS projects – 25 completed, 1 failed
- 36 BE projects – all completed

Research Products/ patent:

Product Name

Patent

- 1.
 - 2.
1. **Abd Rahman Ramli**, Koay Su Yeong, Lew Yuan Pok, Video Surveillance and Security Systems, pending, 2004, PI20041671.
 2. Chen Soong Der and **Abd Rahman Ramli**, Recursive Mean-Separate Histogram Equalisation Method, pending, 2004, PI20042555.

Publications:

- More than 200 written articles/ papers
- Journals: 70 published & accepted, 33 in citation indexed journals
- Conference/ proceedings more than 100.

Journals

1. Thinagaran Perumal, **Abdul Rahman Ramli** and Chui Yew Leong, Design and Implementation of SOAP-based Residential Management for Smart Home Systems, IEEE Transactions on Consumer Electronics, May 2008.
2. Razali, Muhammad Hudzari; Wan Ismail, Wan Ishak; **Ramli, Abd. Rahman**; and Sulaiman, Md. Nasir, Modeling of Oil Palm Fruit Maturity for the Development of an Outdoor Vision System, International Journal of Food Engineering, Vol. 4, Iss. 3, Article 5, 2008. Available at: <http://www.bepress.com/ijfe/vol4/iss3/art5>
3. Sawsan K. Shariah, Mohammad Hamiruce Marhaban, **Abd Rahman Ramli** and Samsul Bahari Mohd Noor, Comprehensive Study of Tropical Raindrop Behaviour, Global Journal for Engineering and Technology, India, Vol. 1, No. 1, March 2008.
4. Ahmed M. Mharib, Mohammad Hamiruce Marhaban and **Abdul Rahman Ramli**, Skin Colour Detection Based on an Adaptive Multi-Thresholding Technique, Pertanika Journal Science and Technology, 15 (2), 2007, ISSN 0128-7680, pp. 103 – 111
5. Ahmed M. Mharib, Mohammad Hamiruce Marhaban and **Abdul Rahman Ramli**, Pixel-Based Skin Colour Detection Techniques Evaluation, Pertanika Journal Science and Technology, 15 (2), 2007, ISSN 0128-7680, pp. 131 – 137
6. Mohammad J. Kargar, **Abd. R. Ramli**, Hamidah Ibrahim and Fatemeh Azimzadeh, Formulating Prior of Information Quality Criteria on the Blog, World Applied Science Journal, Volume 2, Number 6, 2007, ISSN 1818-4952, 8 pg.
7. Hasan Abdel Qader, **Abdul Rahman Ramli** and Syed Al-Hadad, Fingerprint Recognition Using Zernike Moments, International Arab Journal of Information Technology, Volume 4, Number 4, October 2007, pp.

8. A. Hani. K. Almohair, **Abd Rahman Ramli**, Elsadig A.M. and B. Shaiful J. Hashim, Skin Detection in Luminance Images using Threshold Technique, International Journal of The Computer, the Internet and Management, Vol. 15, No. 1, January – April 2007, pp. 25-32.
9. Pradhan, B., Sandeep, K., Mansor, S., **Ramli Abd. R.** and Rashid A. M. GIS Terrain Data Compression Using Lifting Scheme – A New Dimension, International Journal of the Computer, The Internet and Management, Vol. 15, No. 2, May – August 2007, pp. 9 – 19.
10. Pradhan, B., Sandeep, K., Mansor, S., **Ramli Abd. R.** and Rashid A. M. Second Generation Wavelets Based GIS Data Compression Using Delaunay Triangulation, Engineering Computations: International Journal for Computer-Aided Engineering and Software, Vo. 24, No. 2, 2007, pp 200-213.
11. A. Hani. K. Almohair, **Abd Rahman Ramli**, Elsadig A.M. and B. Shaiful J. Hashim, Skin Detection in Luminance Images using Threshold Technique, International Journal of Imaging Science and Engineering, Vol. 1, January 2007, ISSN: 1934-9955, 4 pages.
http://itfrindia.org/journals/ijise/vol_001_jan2007/index.php
12. Kargar, J.K., **Ramli, A.R.**, Mohd Noor, S.B. and Ibrahim, H., Towards a Practical and Valid Model for Assessing Quality of Information on the Web, International Review on Computers and Software (IRECOS), 28 January 2007.
13. Khairuddin Omar, Ramlan Mahmud, Md. Nasir Sulaiman and **Abdul Rahman Ramli**, Handwritten Jawi Text Segmentation: A Hibrid Approach, Journal of Information Technology and Multimedia, Universiti Kebangsaan Malaysia, Vol. 3, pp. 107 – 125, ISSN 1823-0113
14. Pradhan, B., Sandeep, K., Mansor, S., **Ramli Abd. R.** and Rashid A. M. Spatial Data Compression And Denoising Via Wavelet Transformation, Applied GIS, Vol. 2, No. 1, July 2006, Monash University Press, pp. 6.1 – 6.15. <http://publications.epress.monash.edu/doi/full/10.2104/ag060006?cookieSet=1>
15. Pradhan, B., Sandeep, K., Mansor, S., **Ramli Abd. R.** and Rashid A. M. A Fast Processing Algorithm for Remote Sensing Data Compression (LIDAR) Using Second Generation Wavelets, Korean Journal of Remote Sensing, Vo. 22, No. 1, pp. 49 – 61.
16. S.A.R. Al-Haddad, Mohd Wardi Azis, Salina Abd Samad, Aduwati Sali, Adznan Jantan, Elsadig Ahmed, **Abd Rahman Ramli**, Wan Zuha Wan Hassan, “Simulation for transmitting of MPEG-4 over Satellite Network”, WSEAS Transactions On Communications, Issue 1, Volume 5, January 2006, ISSN 1109-2742, pp. 57 - 65.
17. Ahmed B. Elmadani, Veeraraghavan Prakash, Borhanuddin Mohd Ali, **Abd Rahman Ramli** and Kasmiran Jumari, New Technique in Fingerprint Matching Based on AVL Tree Search Algorithm, Brunei Darussalam Journal of Technology and Commerce, Volume 4, Number 1, January 2006, pp. 48 - 53.
18. L. A. Mohammed, **Abd Rahman Ramli** and M. Daud, Strengthening ATM Authentication Protocols, Brunei Darussalam Journal of Technology and Commerce, Volume 4, Number 1, January 2006, pp. 136 - 142.
19. Pradhan, B., Sandeep, K., Mansor, S., **Ramli, A. R.** and Rashid A. M., Light Detection and Ranging (LIDAR) Data Compression, KMITL Science and Technology Journal, Vol. 5, No. 3, July – December 2005, ISSN 1905-2367.
20. Qussay A. Salih, **Abdul Rahman Ramli**, Rozi Mahmud and Rahmita Wirza, Brain White And Gray Matter Anatomy Of MRI Segmentation Based On Tissue Evaluation, Medscape General Medicine e-Journal, Volume 7, No. 2, New York, September 2005.
21. Ishak Aris, A.K.M. Parvez Iqbal, **A.R. Ramli** and S. Shamsudin, Design and Development of a Programmable Painting Robot for Houses and Buildings, Journal of Technology A: Manufacturing, Advanced Materials, Energy and Transport, Universiti Teknologi Malaysia, No. 42, June 2005, pp. 27 – 48.
22. Syed Abdul Rahman, Tan Cheng Hong and **Abd Rahman Ramli**, Remote Database Uploading Using Fax, Journal of Technology Management and Entrepreneurship, Kolej Universiti Teknikal Kebangsaan Malaysia, Volume 2, Number 1, pp. 103 – 120, 2005
23. Pradhan, B., Sandeep, K., Shattri Mansor and **Abd Rahman Ramli**, Wavelet Based Multiresolutional GIS Terrain Data Compression Using Delaunay Triangulation, Journal of Institution Survey Malaysia, Vol. 39(3), pp: 28-35, 2005
24. R. A. Mokhtar, S. Khatun, A. Borhanuddin and **A. Ramli**, Authentication Model Using Bluetooth-enabled Mobile Phone, Journal of Computer Science, Volume 1 (2), New York, USA, January 2005, pp. 200-203.
25. R. A. Mokhtar, S. Khatun, A. Borhanuddin and **A. Ramli**, Application of Mobile Phone for Laptop

Security, Journal of Applied Science, Volume 5 (2), Pakistan, 2005, pp. 215-219.

Available at <http://www.ansinet.org/fulltext/jas52207-214.pdf>

26. Majdi Al-Qdah, **Abd Rahman Ramli** and Rozi Mahmud, A system of Microcalcifications Detection and Evaluation of the Radiologist: Comparative Study of the Three Main Races in Malaysia, Computers in Biology and Medicine, Elsevier, Vol. 35, 2005, pp. 905 - 914
27. Khalid Mohamed Alajel, Khairi Bin Yusof, Abdul Rahman Ramli and El Sadig Ahmed, Remote Electrocardiogram Monitoring Based on the Internet, KMTL Science Journal, Vol. 5, No. 2, January – June 2005.
28. Chui Yew Leong and **Abdul Rahman Ramli**, Development of a Real-Time Embedded Remote Triggering and Monitoring System with SC12, Journal of Technology D, Universiti Teknologi Malaysia, Skudai, Number 41, December 2004, ISSN 0127-9696
29. Majdi Al-qdah, Nani Adilah Binti Suhaimi, **Abd Rahman Ramli**, Rozi Mahmud, and Rahmita Wirza. "Investigating The Race Factor in Mammography". WSEAS Transactions on SYSTEMS, Issue 10, Volume 3, December 2004, ISSN 1109-2777, pp. 2958 – 2963
30. Majdi Al-qdah, **Abd Rahman Ramli** and Rozi Mahmud, A New Tool To Record And Evaluate The Radiologist's Findings With Specific Design For Malaysian Women, The Internet Journal of Medical Technology, Volume 2, Number 1, 2004.
<http://www.ispub.com/ostia/index.php?xmlFilePath=journals/ijmt/vol2n1/malaysia.xml>
31. Adznan, B.J., M.A. Almashrgy, Elsadig Ahmed and **Abd Rahman Ramli**, Speaker Identification Using Wavelet and Feed Forward Neural Network, WSEAS Transactions on Information Science and Applications, Volume 1, Issue 4, October 2004, pp. 1121, ISSN 1790-0832. <http://www.wseas.org>
32. S.A. Aljunid, M.Ismail, **A.R. Ramli**, Borhanuddin M.Ali and M. K. Abdullah A New Family of Optical Code Sequences For Spectral-Amplitude-Coding Optical CDMA Systems, IEEE Photonics Technology Letters, Volume 16, No. 10, October 2004, pp. 2383-3385.
33. Qussay A. Salih, **Abdul Rahman Ramli**, Rozi Mahmud and Rahmita Wirza, MR Image Evaluation for Intensity Group Cluster Segmentation of T1 and T2 Weighted Axial Sliced Section, The Internet Journal of Radiology, Volume 3, Number 2, ISSN: 1528-8404, 2004.
<http://www.ispub.com/ostia/index.php?xmlFilePath=journals/ijra/vol3n2/mri.xml>
34. Hanan H.A. Adlan, **Abd Rahman Ramli**, Bachok Taib and Adznan Jantan, A Learning Vector Quantization for Recognition of Invariant and Spatial Detectors of Perceptual Patterns Constituents, Suranaree Journal of Science and Technology, Volume 11, No. 3, July - September 2004, pp. 193-200.
35. Soong-Der Chen, **Abd. Rahman Ramli**, "Preservaing Brightness in Histogram Equalization based Contrast Enhancement Techniques", Elsvier Science Digital Signal Processing Journal, Volume 14, Issue 5, September 2004, pp. 413-428 (cited by in Scopus = 2, 1 May 2007)
http://www.sciencedirect.com/science?_ob=QuickSearchListURL&_method=list&_aset=B-WA-A-B-ZA-MsSAYWA-UUW-AUEYVAUADY-AUECEEUEDY-ZBBEVVWCA-ZA-U&_sort=d&view=c&_st=13&_acct=C000012478&_version=1&_userid=152286&md5=3af47b5f8fe9fe0af89d2fd012ecc6ba
36. Majdi Al-qdah, Abd Rahman Ramli and Rozi Mahmud, A System of Detection and Evaluation of the Radiologist, International Journal of Computers in Biology and Medicine, June 2004.
37. Soong-Der Chen and **Abd Rahman Ramli**, Brightness Presevation in Histogram Equalization Based Contrast Enhancement Techniques, Suranaree Journal of Science and Technology, Volume 11, No. 2, April – June 2004, pp. 97-106.
38. Qussay A. Salih, **Abdul Rahman Ramli**, Rozi Mahmud, Rahmita Wirza: 3D Visualization For Blood Cells Analysis Versus Edge Detection, The Internet Journal of Medical Technology, Volume 1 Number 2, 2004.
<http://www.ispub.com/ostia/index.php?xmlFilePath=journals/ijmt/vol1n2/3d.xml>
39. Lawan Ahmed Mohamed, **Abdul Rahman Ramli**, V. Prakash and Mohamed B. Daud, Smart Card Technology – Past, Present and Future, International Journal of the Computer and The Internet and Management, Thailand, Vol. 12, No. 1, pp. 12-22, January – April 2004, ISSN 0858-7027.
40. Chen Soong Der, **Abd Rahman Ramli**, Contrast Enhancement Using Recursive Mean-Separate Histogram Equalization With Scalable Brightness Preservation, IEEE Transaction on Consumer Electronics, Vol. 49, No. 4, pp. 1301-1309, November 2003 (cited by on scopus = 12, 1 May 2007)

41. Chen Soong Der, **Abd Rahman Ramli**, Minimum Mean Brightness Error Bi-Histogram Equalization in Contrast Enhancement, IEEE Transaction on Consumer Electronics, Vol. 49, No. 4, pp. 1310-1319, November 2003, (cited by on scopus = 14, 1 May 2007)
42. Ahmed B. Elmadani, Veeraraghavan Prakash, Borhanuddin Mohd Ali, **Abd Rahman Ramli** and Kasmiran Jumari, Fingerprint Access Control with Anti-spoofing Technique, Brunei Darussalam Journal of Technology and Commerce, Vol. 3, No. 1, pp. 42-46, September 2003.
43. Hanan H.A. Adlan, **Abd Rahman Ramli**, Adznan Jantan and Bachok Taib, Backpropagation for Recognition of Invariants and Spatial Detectors of Constituents of Perceptual Patterns, Brunei Darussalam Journal of Technology and Commerce, Vol. 3, No. 1, pp. 76-83, September 2003.
44. Ibrahim Asaad Aref, **Abd Rahman Ramli**, Mohamad Noor Derahman and Syed Abdul Rahman Al-Hadad, Audio On Demand System Using RTP Protocol Based on JMF API, WSEAS Transactions on Communications, Vol. 2, Issue 3, pp. 259-265, July 2003, ISSN 1109-2742, <http://www.wseas.org>
45. Amhamed Saffor, **Abdul Rahman Ramli** and Kwan-Hoong Ng, Wavelet-Based Compression of Medical Images: Filter-Bank Selection and Evaluation, Australasian Physical and Engineering Sciences in Medicine, Volume 26, Number 2, pp. 39-44, 2003.
46. Chen Soong Der, **Abd Rahman Ramli**, Contrast Enhancement Using Recursive Mean-Separate Histogram Equalization For Scalable Brightness Preservation, Multimedia Cyberscape International Online Journal, Multimedia University, Cyberjaya, Vol. 1, pp. 64-73, April 2003.
47. Chen Soong Der, **Abd Rahman Ramli**, Contrast Enhancement Using Minimum Mean Brightness Error Bi-Histogram Equalization, Multimedia Cyberscape International Online Journal, Multimedia University, Cyberjaya, Vol. 1, pp. 116-130, April 2003
48. Hanan H.A. Adlan, **Abd Rahman Ramli**, Shattri Mansor and Bachok Taib, Performance Analysis of Edge Detection Methods for Macroscopic Images, KKKU Journal, Vol. 31, No. 3, pp. 141-147, Thailand, July – Sept. 2003.
49. Amhamed Saffor, **Abdul Rahman Ramli**, Kwan-Hoong Ng, A Comparison of JPEG and Wavelet Compression Applied to CT Images, Pertanika Journal of Science and Technology, Vol. 11, No. 2, pp. 191-203, July 2003.
50. Amhamed Saffor, **Abdul Rahman bin Ramli**, Kwan-Hoong Ng, A comparison of JPEG and wavelet compression applied to CT images, International Journal of Engineering Science & Technology, Vol. 2, No. 1, pp. 95-106, December 2002
51. Khairuddin Omar, **Abd Rahman Ramli**, Ramlan Mahmud and Md. Nasir Sulaiman, Skew Detection and Correction of Jawi Images Using Gradient Direction, Jurnal Teknologi, Universiti Teknologi Malaysia, Vol. 37(D), December 2002, pp. 117-126.
52. Amhamed Saffor, Kwan-Hoong Ng, **Abdul Rahman Ramli** and David Dowsett, A Comparison of JPEG and Wavelet Compression Applied to Computed Tomography CT Brain, Chest and Abdomen Images, The Internet Journal of Medical Simulation and Technology, Vol. 1, No. 1, December 2002, ISSN 1540 – 2657
53. Amhamed Saffor, Abdul Rahman bin Ramli, Kwan Hoong Ng, David Dowsett, Objective and Subjective Evaluation of Compressed Computed Tomography (CT) Images, The Internet Journal of Radiology, Volume 2, Number2, December 2002, ISSN 1528 – 8404.
<http://www.ispub.com/ostia/index.php?xmlFilePath=journals/ijra/vol2n2/ct.xml>
54. Ahmed B. Elmadani, Veeraraghavan Prakash, Borhanuddin Mohd Ali, Abd R Ramli and Kasmiran Jumari, Fingerprint Smart Cards as Alternative for ATM Authentication, Suranee Journal of Science and Technology, Thailand, Volume 9, Number 4, October – December 2002, pp. 231-237.
55. Khairulmizam Samsudin, Abd Rahman Ramli, Ismail Mat Yusoff, HSS16: A Hardware Simulator Software for Persona 16, Jurnal Teknologi D (Electronics, Control, Telecommunications and Information Technology, Universiti Teknologi Malaysia, No. 36, June 2002.
56. Lawan Ahmed Mohammed, **Abd Rahman Ramli**, Mohamed Daud and V. Prakash, An Authentication Protocol for Mobile Cellular Network, Malaysian Journal of Computer Science, Vol. 15, No. 1, June 2002.
57. Selma Abedelrahman, Lawan Ahmed, Mohamad Daud and **Abdul Rahman Ramli**, A New Authentication Scheme for Distributed Systems, Khon Kaen University (KKU) Science Journal, Thailand, 30(2), pp. 75-87, 2002.
58. Qussay A. Salih and **Abd Rahman Ramli**, “Distance and Angles Effect in Hough Transform for Line Detection”, Iranian Journal of Electrical and Computer Engineering, 2002.
Available at: <http://citeseer.nj.nec.com/557003.html>

59. Amhamed Saffor, **Abdul Rahman Ramli** and Kwan-Hoong Ng, Objective and Subjective Evaluation of Compressed Computed Tomography (CT) Images, Internet Journal of Radiology, Volume 2, No. 2, June 2002.
60. Ahmed B. Elmadani, Veeraraghavan Prakash and Abd R Ramli, Smart Card and Secure Coprocessor Enhance Internet Security, Suranaree Journal of Science and Technology, Thailand, Vol. 9, No. 2, April – June 2002, pp. 93-97.
61. Hanan Hassan Ali Adlan, Abd Rahman Ramli, A Hybrid Neural Rough Approach to Pattern Recognition, Suranee Journal of Science and Technology, Thailand, 9:1, January – March 2002, pp 1-7.
62. Syed Abdul Rahman Al-Hadad, **Abd Rahman Ramli**, Abdul Azim Abdul Ghani and Rosli Abdullah, Fax-based Registration System Design (in Malay), Jurnal Teknologi Maklumat, Universiti Teknologi Malaysia, Jilid 12, Bil. 2, pp. 88-99, Disember 2001.
63. Amhamed Saffor, **Abd Rahman Ramli**, Kwan-Hoong Ng, “A Comparative Study of Image Compression Between JPEG and Wavelet”, Malaysian Journal of Computer Science, University Malaya, Kuala Lumpur, Vol. 14, No. 1, June 2001, pp. 39-45
64. Mansor, S.B., Hassan, Q.K., and **Ramli, A.R.**, Mohamed, M.I. and Ku Kassim, K.Y., “Sea Surface Temperature From AVHRR Data in Relation to Fish Forecasting”, Malaysian Journal of Remote Sensing and GIS, Vol. 1, July 2000.

Awards & Recognitions:

- 1) Received Universiti Putra Malaysia Excellent Service Award year 1999, 2002, 2003, 2004 and 2005.
- 2) Pameran sains dan Teknologi / Silver Medal, MOSTI, 2003, National.
Gold Medal, A New Robust Compressor for GIS Spatial Data Compression, Malaysia Technology Exhibition, PWTC, 22 – 24 Febuary 2006
- 3) Silver Medal, A New Robust Compressor for GIS Spatial Data Compression, International Trade Fair for Ideas, Inventions and New Products (IENA), Nuremberg, Germany, 2 – 5 November 2006
- 4) Silver Medal , Embedded Multimedia Modul For Smart Home Enviroment, Research, Innovation & Commercialization Exhibition, UPM, 6 March 2006
- 5) Bronze Medal Award, Malaysian Association of Research Scientists, Distributed Network Based Matrix System for Public Addressing, 2008
- 6) Data Hiding Techniques in Digital Images, Invention and Research Exhibition, UPM, 8-10 July 2003, Gold Award, Research Management Centre, UPM, 2003
- 7) Data Hiding Techniques in Digital Images, Science and Technology Exhibition, PWTC, Kuala Lumpur, 7-9 August 2003, Silver Award, Ministry of Science, Techonlogy and Environment,
- 8) Fax Net View, Bronze Medal for the Invention at ITEX2002, Kuala Lumpur, 30 March 2002
- 9) Internet Control System, Institute of Advanced Technology R&D Exhibition, 20 ? 21 August 2002, Bronze Award.
- 10) Low Cost Motion Detection, Faculty of Engineering R&D Exhibition 2002, 30 July ? 1 August 2002, Gold Award
- 11) Low Cost Motion Detection, Science and Technology Expo, PWTC, Kuala Lumpur, 2-4 November 2002, Bronze Award
- 12) Multi-layer Neural Network for Color Recognition, Invention and Research Exhibition 2002, UPM, 30 August 2002, Silver Medal
- 13) SMS Gateway Interface, Faculty of Engineering R&D Exhibition 2002, 30 July ? 1 August 2002, Silver Award
- 14) SMS Gateway Interface, IPTA 2003, 9-12 October 2003, PWTC
- 15) Siilver Medal Award, Distributed Network Based Matrix System for Public Addressing, Universiti Putra Malaysia, 2007
- 16) Steganography for Embedding Data in Digital Image, Institute of Advanced Technology R&D Exhibition, 20 - 21 August 2002, Gold Award