CURRICULUM VITAE

Assoc. Prof. Dr. Mohd Fadlee A.Rasid
Department of Computer & Communication systems
Faculty of Engineering
Universiti Putra Malaysia
43400 UPM-Serdang, MALAYSIA

T : 03 . 8946 4322
F : 03 . 8656 7127
M: fadlee@upm.edu.my

Nationality

Malaysian

Educations

1. Mara Junior Science College, Taiping, Perak
2. Glenalmond College, Perth, Scotland, UK
3. Purdue University, West Lafayette, Indiana, USA
4. Loughborough University, Leicestershire, UK

Academic Qualifications

- Doctor of Philosophy (PhD) in Electronic Engineering, Loughborough University, UK
- B.Eng. Bachelor of Science (BSc) in Electrical Engineering, Purdue University, USA, May 2000

Professional Qualification/ Membership/ Affiliation

- Member, Council of the Malaysian Society for Engineering & Technology (mSET)
- Member, International Association of Engineers (Member IAENG)
- Member, Institute of Electrical and Electronics Engineers (IEEE), USA

Experience : Full-Time

1. Project Leader, Engineering Projects in Community Service (EPICS), Purdue University, September 1999 . May 2000
2. Global System for Mobile Communications (GSM) Consultant, Telekom Training College, Kuala Lumpur, November 2000 . October 2001
3. Tutor, Department of Computer and Communication Systems Engineering, Faculty of Engineering, Universiti Putra Malaysia, October 2001 . October 2005
4. Research Assistant, Center for Mobile Communications Research, Department of Electronic and Electrical Engineering, Loughborough University, July 2003 . October 2005
5. Lecturer, Department of Computer and Communication Systems Engineering, Faculty of Engineering, Universiti Putra Malaysia, November 2005 . December 2007
6. Senior Lecturer, Department of Computer and Communication Systems Engineering, Faculty of Engineering, Universiti Putra Malaysia, January 2008 . April 2011
7. Associate Professor, Department of Computer and Communication Systems Engineering, Faculty of Engineering, Universiti Putra Malaysia, April 2011 - Present

Appointments

- Nov '05 - Present   Lecturer, Department of Computer and Communication Systems Engineering, Faculty of
  Engineering, Universiti Putra Malaysia

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- July '03 - Oct '05   Research Assistant, Center for Mobile Communications Research, Department of Electronic and
  Electrical Engineering, Loughborough University,
- Oct '01 - Oct '05   Tutor, Department of Computer and Communication Systems Engineering, Faculty of Engineering,
  Universiti Putra Malaysia,
- Nov '00 - Oct '01   Global System for Mobile Communications (GSM) Consultant, Telekom Training College,
  Kuala Lumpur,
- Sept '99 - May '00   Project Leader, Engineering Projects in Community Service (EPICS), Purdue University,

Administrative Duties and Other Responsibilities

INTERNATIONAL
1. Research Consultant, British Council UKIERI Project on *'Mobile communications to improve monitoring of heart disease and diabetes'*, November 2007
2. Chairman, 2nd Global Village Initiative Asia Workgroup Seminar, Kuala Lumpur, April 2008
3. Technical Program Committee, NMTS WSN Workshop, Tangiers, Morocco, November 2008
4. Organising Committee, International Youth Workshop on Science, Technology and Innovation (STI), August 2007, Academy of Sciences Malaysia
5. Lead Rapporteur, International Youth Workshop on Science, Technology and Innovation (STI), August 2007, Academy of Sciences Malaysia

NATIONAL
6. Member of STANCO Science, Technology and Innovation (STI) for State of Selangor
7. MyICMS886 Working Committee 1, Malaysian Communications and Multimedia Commission (MCMC)
8. Technical Committee, National Ubiquitous Library Project, Malaysian Communications and Multimedia Commission (MCMC), September 2008- Present
9. Deputy Director, National Centre of Excellence for Sensor Technology, Universiti Putra Malaysia, September 2008 - present

UNIVERSITY
10. Head of Department of Computer and Communication Systems Engineering, Faculty of Engineering, UPM, September 2007 - present
11. Head of Communication and Pervasive Computing Laboratory, Institute of Multimedia and Software, UPM (until July 06)
12. Working Committee member of Technology in Teaching and Learning, Centre for Academic Development (CADe), UPM
13. Coordinator for Research for Department of Computer and Communication Systems Engineering (until August 07)
14. Chairman of Collaboration Program with Renesas (M) Sdn Bhd
15. Committee Member of Collaboration Program with Oracle Corporation Malaysia
16. Committee Member of Collaboration Program with Celcom (M) Sdn Bhd - Celcom Developer Community
17. Committee Member of Collaboration Program with MIMOS Berhad
18. Coordinator of Collaboration Program UPM-IPTS : DKTM Kolej UNITI Februari 2006
19. Coordinator of Collaboration Program UPM-IPTS : DKTM Kolej UNITI September 2006

Areas of Interest

- Mobile Telemedicine
- Wireless Medical Sensors
- Wireless Sensor Networks
- Personal Area Network: Bluetooth and ZigBee Technology
- Mobile Phone Applications: Symbian OS, Series 60 Platform, J2ME Applications
- Software Design: Graphical User Interfaces, Database Applications
- System Design: Hardware and Software Integration - Microprocessor, CPLD, FPGA, Prototype Development
- System Testing and Evaluation

Research Grants

Principle Researcher

Topic/ Sponsor	Amount (RM)
1. Zigbee Based Non-Invasive Medical Sensors, UPM	10,000 Euro
2. ICT-ADI Asia: Toward a human-friendly assistive environment for Aging, Disability & Independence, France	15,000 (RM71,850)
3. Zigbee Based Non-Invasive Medical Sensors For Wireless Body Area Network, MOSTI . RM	196,000
4. Ubiquitous Pond Sensing For Proactive And Precision Aquaculture Farming, MOSTI	212,300

Co-Researcher

5. Forward Scattering Radar For Biodiversity Conservation Monitoring System, MOSTI	186,000
6. Development Of A Scalability Solution To Source Specific Multicast For Mobile Ipv6, MOSTI	124,000
7. Security Enhancement of Mobile Ipv6 Route Optimization MOSTI	175,000
8. Emerging wireless technologies . Issues of reliable communications above 25GHz in the Tropics, Malaysian Communications and Multimedia Commission (MCMC)	930,000

Total Research Grant Received   1,905,150

Consultancy Projects

- Lead Consultant :   ꞁKajian Pembangunan Rangkaian Sensor Tanpa Wayar Untuk Aplikasi Pertanian Dan Perindustrianꞁ Ministry of Energy, Water and Communication (MEWC)
- Consultant : ꞁKajian Kesediaan Penggunaan Teknologi Sensorꞁ Ministry of Energy, Water and Communication (MEWC)

Student Supervisions

- 5 PhD students (2 Principal and 3 Committee) . 5 on-going
- 23 MSc by Research students (12 Principal and 11 Committee) . 6 completed and 17 on-going
- 15 BEng projects . 11 completed and 4 on-going

Academic Reviewers

1. International Journal of Electronic Healthcare, UK; Special Issue on Integrating Mobility into the Health Care Sector: The Next generation of Mobile Health Applications . November 2005
2. Medical Engineering & Physics . September 2006
3. Hindawi Publishing Corp. International Journal of Telemedicine and Applications
4. Technical Program Committee, Academy Publisher, Journal of Networks . Special Issue on Wireless Sensor Networks: Theory and Practice, December 2008
5. MIMOS Symposium 2006
6. International Conference on Information and Communication Technology (ICICT 07)
7. Session Chair, World Engineering Congress, August 2007
8. International Conference on Intelligent & Advanced Systems, ICIAS 2007
9. International Conference On Electronic Design, ICED2008

Professional Activities

1. Member, IEEE, USA
2. Member, IEEE Communications Society, USA
3. Secretary, IEEE GOLD Chapter Malaysia, 2006-2007
4. Member, International Association of Engineers (IAENG)
5. Member, Malaysian Society of Engineering and Technology (mSET)

Invited Speakers

INTERNATIONAL

1. ﬁWireless Medical Sensors: Designing a Ubiquitous Point-of-Care in Health Servicesﬂ *British Council UKIERI Seminar on Communication Technologies for Health Monitoring, Indian Institute of Technology Delhi, India,* 13 . 18 November 2007.
2. 2nd Global Village Initiative Workgroup Seminar: Asia, Kuala Lumpur, April 2008

NATIONAL

3. ﬁSensor Technologies & Short Range Communications: Designing a Ubiquitous u-Lifestyle for the Malaysian Community via Broadbandﬂ *MyBroadband 2007*, Matrade Convention Centre, Kuala Lumpur, 12 September 2007.
4. ﬁWireless Sensor Technology: Designing a Ubiquitous u-Lifestyle for the Communityﬂ *2nd National Intelligent Systems and Information Technology Symposium*, Universiti Putra Malaysia, 30 October 2007.
5. *Wireless Sensor Technology Awareness Seminar for Government Agencies by Ministry of Energy, Water and Communications*, Marriot Putra Jaya, 21 November 2007.
6. *Wireless Sensor Technology Awareness Seminar for Research Institutes by Ministry of Energy, Water and Communications*, Marriot Putra Jaya, December 2007.
7. *Wireless Sensor Technology Awareness Seminar for Industries by Ministry of Energy, Water and Communications*, Kuala Lumpur, January 2008.
8. ﬁThe Role of Telecommunication in Medical Industryﬂ *Motorola TechTalk*, Motorola Multimedia Cyberjaya, 15 January 2008.
9. ﬁConvergence of RFID and WSNﬂ *MyICMS886 RFID Workshop*, Malaysian Communications and Multimedia Commission, Marriot Putra Jaya, 26 February 2008
10. ﬁRFID and Other Sensor Devices: Are we Ready for the Next Stageﬂ *MyBroadband 2008*, Kuala Lumpur Convention Centre, Kuala Lumpur, 28 October 2008
11. ﬁTowards Implementation of Wireless Sensor Technology and Applicationsﬂ MIMOS Technology Preview 2008, MIMOS Berhad, December 2008

- **TOTAL NUMBER OF PUBLICATIONS = 55**
    - » Journals = 13
    - » Conference Proceedings = 29
    - » Consultancy Report = 1

Journals Non Citation Index

1. B. Woodward, **M.F.A. Rasid**, L. Gore and P. Atkins, %GPRS-based mobile telemedicine system,+ *Journal of Mobile Multimedia*, vol. 2, no. 1, pp. 2-22, March 2006
2. M. Vahabi, **M. F. A. Rasid**, R. S. A. R. Abdulllah, And M. H. F. Ghazvini, Adaptive Data collection Algorithm for Wireless Sensor Networks , International Journal of Computer Science and Network security (IJCSNS) Vol. 8, No. 6, p.p. 125-132
3. M. H. F. Ghazvini, **M. F. A. Rasid**, R. S. A. R. Abdulllah, and , M. Vahabi, EMAC : Efficient MAC Protocol Design for Wireless Sensor Networks, International Journal of Computer Science and Network security (IJCSNS) Vol. 8, No. 6, p.p. 221-226
4. M. Salah, **MF A Rasid**, M Cherniakov, and RSA Raja Abdullah, %Speed Estimation in Forward Scattering Radar by using Standard Deviation Method+, *Modern Applied Science Journal* Vol. 3, No. 3, March 2009.

Journals Citation Index

1. **M.F.A. Rasid** and B. Woodward, "Bluetooth telemedicine processor for multichannel biomedical signal transmission via mobile cellular networks," *IEEE Transactions on Information Technology in Biomedicine*, vol. 9, no. 1, pp. 35-43, March 2005.
2. Mohd Al-Amri, Mohd Nizar Hamidon, **Mohd Fadlee A Rasid** and A. Al-Zaben, %Characteristics of Korotkoff Sounds Using Instantaneous Frequency Signal Analysis,+ *WSEAS Transactions on Signal Processing*, vol. 3, issue 3, pp. 296-302, March 2007.
3. Amin Malekmohammadi, G. A. Mahdiraji, M. K. Abdullah, A. F. Abas, M. Mokhtar, **M. F. A. Rasid**, "Absolute Polar Duty Cycle Division Multiplexing Technique" IREE, Vol. 3, No. 2, March . April 2008, pp.395-400
4. M. A. M. Azau, A. F. Abas, M. I. Saripan, W. A. Wan. Adnan. N. K. Noordin, A. Ismail, M. Mokhtar, K. Samsudin, S. Mashohor, **M. F. A. Rasid**, R. S. A. Raja Abdullah and F. Arif, Implementation of countinuous-Grouped-self-learning (CGSL) System in Engineering Education, International Education Studies, Vol. 1, No. 4, pp 132 . 135
5. Mohamed Khalaf alla Hassan Mohamed, Raja Syamsul Azmir Bin Raja Abdullah, **MF A.Rasid**, `Target Detection Forward Scatting Radar', Jurnal Pertanika, Vol. 16 (2). 2008
6. M. Vahabi, M. H .F Ghazvini, **M. F. A. Rasid** and R. S. A. R. Abdullah, ' Traffic Aware Data Collection MAC Protocol for Wireless Sensor Networks, Journal International Review on Computers and Softwere (IRECOS),), Vol. 3, No. 4, pp 329-336, Italy
7. Muhammad Farhan Sjaugi, Mohamed Othman, **Mohd. Fadlee A.Rasid**, A New Distance Based Route Maintenance Strategy for Dynamic Source Routing Protocol, in The Journal of Computer Science, volume 4(3), pages 172-180, 2008
8. G. A. Mahdiraji, A. M. Mohammadi, A. F. Abas, M. K. Abdullah, M.Mokhtar, S. M. Basir, **M. F. A. Rasid**, R. S. A. Raja Abdullah and E.Zahedi, ``Duty-Cycle Division

5

Multiplexing (DCDM): Towards the largest optical networks capacity", International Review on Modelling and Simulations (IREMOS), Aug. 2008

9. F. R. Armaghani, S. Khatun, S. S. Jamuar, **M. F. A. Rasid**, " TCP Throughput Optimization Over 802.11 MAC Protocol in Multi-Hop Ad-Hoc Networks, International Review on Computer and Softwere (IRECOS), Vol 3, No 4, pp 356-362

10. A. Ismail, M.S. Razalli, M.A. Mahdi, R. S. A Raja Abdullah, N. K. Noordin, **M. F. A. Rasid**, ' X-Band Trisection Substarte-Integarted Waveguide Ellipted Filter ', Progress in Electromagnetic Research (PIER), PIER 85, page 133-145, 2008

11. A.Malekmohammadi, M.Khazani.Abdullah, G.A.Mahdiraji, A.F.Abas, M.Mokhtar, **M.Fadlee A. Rasid**, S.M.Basir, %Decision Circuit and Bit Error Rate Estimation For Absolute Polar Duty Cycle Division Multiplexing+, International Review of Electrical Engineering, Vol. 3, No. 2, pp 592-599, Aug. 2008.

12. A.Malekmohammadi, G.A.Mahdiraji, A.F.Abas, M.Khazani.Abdullah, M.Mokhtar and **M.F.A.Rasid**, %Realization of High Capacity Transmission in Fiber Optic Communication Systems Using Absolute Polar Duty Cycle Division Multiplexing (AP-DCDM) Technique+, Optical Fiber Technology (Accepted March 2009).

13. A.Malekmohammadi, Mohamad Khazani Abdullah, Ghafour Amozad Mahdiraji, Ahmad Fauzi Abas, Makhfudzah Mokhtar and **Mohd Fadlee A Rasid**, %Analysis of RZ-OOK over Absolute Polar Duty Cycle Division Multiplexing in Dispersive Transmission Medium+, IET Optoelectronics (Accepted March 2009).

14. Adam Alhawari, Alyani Ismail, **Mohd Fadlee A. Rasid**, Raja Syamsul Azmir Raja Abdullah, Babak Kazemi Esfeh and Helmi Adam, %Compact Microstrip Bandpass Filter with Sharp Passband Skirts Design Using Square Spiral Resonators and Embedded Resonators+, Journal of Electromagnetic Waves and Application (JEMWA) (Accepted March 2009).

Chapter in Books

1. M. Hossein Fotouhi Ghazvini, Maryam Vahabi, **Mohd. Fadlee A.Rasid**, Raja Syamsul Azmir Raja Abdullah, %Improvement of MAC Performance for Wireless Sensor Networks+, Advances in Computer Science and Engineering, Springer Berlin Heidelberg, ISBN 978-3-540-89984-6, Vol.6, pp. 147-152, November 2008

2. Amin Malekmohammadi, Ahmad Fauzi Abas, Mohamad Khazani Abdullah, Ghafour Amozad Mahdiraji, Makhfudzah Mokhtar, **Mohd Fadlee A.Rasid**, "Absolute Polar Duty Cycle Division Multiplexing (AP-DCDM): A Promising Technique for Telecommunication System", Mobile and Wireless Communications: Key Technologies and Future Applications, In-Tech, ISBN 978-3-902613-47-9 (Accepted February 2009)

Conference Proceedings

1. B. Woodward and M.F.A. Rasid, "Wireless telemedicine: the next step?," *Proceedings of 4th International IEEE EMBS Special Topic Conference on Information Technology Applications in Biomedicine,* Birmingham, UK, pp. 43-46, April 2003.

2. B. Woodward, M.F.A. Rasid and Z. Lu, "The use of mobile telephone networks and wireless internet technology for monitoring patients remotely," *Proceedings of IEE Seminar on Appropriate Medical Technology for Developing Countries,* London, UK, February 2004.

3. B. Woodward, P. Lepper and F. Rasid, " Monitoring the marine environment using mobile phone technology," *Proceedings of 8th European Conference on Underwater Acoustics,* Carvoeiro, Portugal, June 2006.

4. Mohd Al-Amri, Mohd Nizar Hamidon, Mohd Fadlee A Rasid and A. Al-Zaben, #The Characteristics of Korotkoff Sounds Using the Instantaneous Frequency Methodq *Proceedings of the 6th WSEAS International Conference on Signal Processing,*

Dallas, Texas, USA, March 22-24, 2007.

5. Maryam Vahabi, M. Hossein Fotouhi Ghazvini, Mohd. Fadlee A.Rasid, Raja Syamsul Azmir Raja Abdullah, ±Trade-off between Energy Consumption and Target Delay for Wireless Sensor Networkq *Proceedings of the 2007 IEEE International Conference on Telecommunications and Malaysia International Conference on Communications*, Penang, Malaysia, 14-17 May 2007.

6. M. Hossein Fotouhi Ghazvini, Maryam Vahabi, Mohd. Fadlee A.Rasid, Raja Syamsul Azmir Raja Abdullah, ±Optimizing Energy Consumption in Hierarchical Clustering Algorithm for Wireless Sensor Networksq *Proceedings of the 2007 IEEE International Conference on Telecommunications and Malaysia International Conference on Communications*, Penang, Malaysia, 14-17 May 2007.

7. Hashem Mohammed Alaidaros, Mohd Fadlee A Rasid, Mohamed Othman, Raja Syamsul Azmir Raja Abdullah, ±Enhancing Security Performance with Parallel Crypto Operations in SSL Bulk Data Transfer Phaseq *Proceedings of the 2007 IEEE International Conference on Telecommunications and Malaysia International Conference on Communications*, Penang, Malaysia, 14-17 May 2007.

8. *Mohd. Fadlee A.Rasid, Raja Syamsul Azmir Raja Abdullah, M. Hossein Fotouhi Ghazvini and Maryam Vahabi, ±Energy Optimization with Multi-level Clustering Algorithm for Wireless Sensor Networksq Proceedings of the 4th IEEE and IFIP International Conference on Wireless and Optical Communications Networks (WOCN), Singapore, 2-4 July 2007.*

9. Mohd. Fadlee A.Rasid, Raja Syamsul Azmir Raja Abdullah, Nor Kamariah Noordin, Maryam Vahabi and M. Hossein Fotouhi Ghazvini, ±Energy-Aware Data Diffusion Protocol with Reduced Source-to-Sink Delay for Wireless Sensor Network,q *Proceedings of the* IEEE *Asia-Pacific Conference on Communications (APCC 2007),* Bangkok, Thailand, 18-20 October 2007.

10. RSA Raja Abdullah, MF A.Rasid, MW Azis and Mohamed Khalafalla, ‰Target Prediction in Forward Scattering Radar,+ *Proceedings of the IEEE ASIA–PACIFIC Conference on Applied Electromagnetics,* Melaka, Malaysia, 3-6 December 2007.

11. Alireza Izaddoost, Mohamed Othman and Mohd Fadlee A Rasid, ±Accurate ICMP Traceback Model under DoS/DDoS Attack,q *Proceedings of the 15th International Conference on Advanced Computing & Communication (ADCOM 2007),* Guwahati, India, 18-21 December 2007.

12. F. R. Armaghani, S. S. Jamuar, S. Khatun, and M. F. A. Rasid, ‰A Cross Layer TCP Acknowledgment Approach to Enhance the Throughput in Multi-hop Ad-hoc Networks,+ in *Proceedings of the 10th International Symposium on Wireless Personal Multimedia Communications (WPMC '07)*, Jaipur, India, December 2007

13. Muhammad Farhan Sjaugi, Mohamed Othman and Mohd Fadlee A. Rasid, ‰A New Route Maintenance Strategy for Dynamic Source Routing Protocol,+ *Proceedings of the 22nd International Conference on Information Networking 2008 (ICOIN 2008),* Busan, Korea, 23 -25 January 2008.

14. M. Hossein Fotouhi Ghazvini, Maryam Vahabi, Mohd. Fadlee A.Rasid, Raja Syamsul Azmir Raja Abdullah, ±Improvement of MAC Performance for Wireless Sensor Networks,q *Proceedings of the 13th International CSI Computer Conference*, Kish Island, Iran, 9-11 March 2008.

15. Muhammad Farhan Sjaugi, Mohamed Othman and Mohd Fadlee A. Rasid, ‰Adaptive Route Maintenance Strategy for Dynamic Source Routing Protocol,+ *Proceedings of the 5th IEEE and IFIP International Conference on Wireless and Optical Communications Networks (WOCN),* Indonesia, 5 -7 May 2008.

16. Adznan b. Jantan, Sakher A. Hatem, Ali Alsayh, Sabira Khatun, Mohd. Fadlee b. A. Rasid, ‰A New Scalable Reliable Multicast Transport Protocol using Perfect Buffer Management,+ *Proceedings of the International Conference on Computer and Communication Engineering ,* Malaysia, 13-15 May 2008.

17. A.F. Abas, M.A.M. Azau, M.I. Saripan, W.A.W. Adnan, N.K. Noordin, A. Ismail, M.

Mokhtar, K. Samsudin, S. Mashohor, M.F.A. Rasid, and R.S. A.R. Abdullah, "Innovative Continuous-Grouped-Self-Learning (CGSL) System in Engineering Education,"Budapest, Hungary, 2008

18. M. H. F. Ghazvini, M. Vahabi, M. F. A. Rasid, R. S. A. R. Abdullah, and W. M. N. M. W. Musa, "Low Energy Consumption MAC Protocol for wireless Sensor Networks," *Proceedings of the Second International Conference on Sensor Technologies and Applications, SENSORCOMM 2008*, Cap Esterel, France, 25-31 August 2008

19. F. R. Armaghani, S. S. Jamuar, S. Khatun, and M. F. A. Rasid, "An Adaptive TCP Delayed Acknowledgment Strategy in Interaction with Mac Layer over Multi-hop Ad-hoc Networks," *IEEE International Symposium on Comp. Science and its Applications (CSA2008)*, Hobart, Australia, 13-15 October 2008

20. Mohamed K.H, M Cherniakov, MF A Rasid and RSA Raja Abdullah, Automatic Target Detection Using Wavelet Technique in Forward Scattering Radar*, Proceeding of the 5th European Radar Conference*, Amsterdam, Netherlands, 25 October- 01 November 2008.

Conference Proceedings

21. Borhanuddin Mohd Ali and Mohd Fadlee A Rasid, "Supporting mobility over heterogeneous network for remote health monitoring," *Proceedings of ICT-Asia International Workshop*, Daejeon, Republic of Korea, July 2006.

22. Mohd Fadlee A Rasid, "Wireless Home Assistive Environment for the Aged Citizen", *National Conference on Ageing and National Development*, Malaysia, 18-19 November 2006.

23. Hashem Mohammed Alaidaros, Mohd Fadlee A Rasid, Mohamed Othman, Raja Syamsul Azmir Raja Abdullah, "Improving Security Performance with Parallel Crypto Operations in SSL Bulk Data Transfer", *The National Conference on Cryptology NCC06*, Malaysia, 28 – 29 November 2006.

24. Farzaneh R. Armaghani, S. S. Jamuar, Sabira Khatun and Mohd Fadlee A Rasid, "Review of TCP performance with Delayed Acknowledgment over 802.11 Mac Protocol in Multi-hop Ad-hoc Networks," *Proceedings of the World Engineering Congress,* Penang, Malaysia, 5-9 August 2007.

25. Maryam Vahabi, M. Hosseini Fotouhi Ghazvini, Mohd Fadlee A. Rashid, Raja Syamsul Azmir Raja Abdullah, "Energy-Efficient Data Dissemination Protocol for Wireless Sensor Network," *Proceedings of the World Engineering Congress,* Penang, Malaysia, 5-9 August 2007.

26. S.C. Chong, N.K. Noordin, M.F.A. Rasid and R.S.R. Abdullah, "Performance Evaluation of Detection Methods in Multiple-Input Multiple-Output (MIMO) System," *Proceedings of the World Engineering Congress,* Penang, Malaysia, 5-9 August 2007.

27. Muhammad Farhan Sjaugi, Mohamed Othman and Mohd Fadlee A. Rasid, "Progress in Source Routing Protocol for Mobile AdHoc Network," *Proceedings of the World Engineering Congress,* Penang, Malaysia, 5-9 August 2007.

28. RSA Raja Abdullah, MF A.Rasid, A Ismail, Mutaz Sadiq and Mohamed Khalafalla, "Speed Estimation and Target Detection in Forward Scattering Radar," International Conference on Knowledge Based Economic Development, Kingdom of Saudi Arabia, June 2008

29. M. H. Fotouhi Ghazvini, Maryam Vahabi, **M. F. A. Rasid,** and R. S. A. Raja Abdullah, "Energy Efficiency in MAC 802.15.4 for Wireless Sensor Networks ", National Conference on Telecommunication Technologies (NCTT 2008), August 27-28, 2008, IOI Palm Garden Resort in Putrajaya, Malaysia

30. S. A. Bani Awward, N. K. Noordin, **M. F. A. Rasid**, "Coverage Degree in Mobile Nodes Wireless Sensor Network ", National Conference on Telecommunication Technologies (NCTT 2008), August 27-28, 2008, IOI Palm Garden Resort in Putrajaya

31. Maryam Vahabi, **Mohd. Fadlee A. Rasid**, M. Hossein Fotouhi G, Raja Syamsul Azmir Raja Abdulllah, " Adaptive MAC Proocol for Wireless Sensor Network in Periodic Data Collection

Application " International Symposium On Information Technology 2008 (ITSIM '08), Kuala Lumpur Convention Center, Kuala Lumpur, Malaysia, 26-29 Augs 2008, Malaysia

32. Muhammad Farhan Sjaugi, Mohamed Othman, **Mohd. Fadlee A. Rasid**, " Mobility Models toward the Performance of Geographical-Based Route Maintenance Strategy in DSR " International Symposium On Information Technology 2008 (ITSIM '08), Kuala Lumpur Convention Center, Kuala Lumpur, Malaysia, 26-29 August 2008

33. A.Malekmohammadi, G.A.Mahdiraji, A. F. Abas, M. K. Abdullah, M. Mokhtar, **M.Fadlee A.Rasid**,+ Performance Analysis on Transmission of Multilevel Optical Pulses Using Absolute Polar Duty Cycle Division Multiplexing+, *Proceedings of International Conferance On Electronic Design, ICED2008* Penang, Malaysia

34. Bashar Jabbar Hamza, Chee Kyun Ng, Nor Kamariah Noordin, **Mohd. Fadlee A. Rasid**, and Alyani Ismail, %Improvement of Path Management in Heterogeneous Wireless Networks+, 3rd International Conference on Postgraduate Education (ICPE 2008), Penang, Malaysia

35. N. Mouzehkesh, C. K. Ng, N. K. Noordin and **M. F.A. Rasid**, Traffic Adaptive Back-Off Schemes for Medium Access Control Protocol in Wireless Sensor Networks and Wireless Local Area Networks, *Proceeding of IEEE 6th Student Conference on Research and Development (SCOReD 2008),* Johor Bahru , Malaysia

36. Samaneh Rastegari, M Iqbal saripan and **Mohd. Fadlee A. Rasid** , %Measuring Impact of DoS Attacks on DNS Traffic+, *Proceeding of IEEE 6th Student Conference on Research and Development (SCOReD 2008),* Johor Bahru , Malaysia

37. Mostafa K. A. Al-Harbawi, Chee Kyun Ng, Nor Kamariah Noordin, **Mohd. Fadlee A. Rasid,** %Integration Wireless Sensor Networks with other Networks using FLIP+, 3rd International Conference on Postgraduate Education (ICPE 2008), Penang, Malaysia

38. Samaneh Rastegari, M Iqbal saripan and **Mohd. Fadlee A. Rasid** , %Effect of DoS Attacks on DNS Traffic+, *Proceeding of FEIIC Symposium on Engineering and Technology,* Kuching, Sarawak, Malaysia, December 2008

39. A.Malekmohammadi, G.A.Mahdiraji, A. F. Abas, M. K. Abdullah, S.M. Basir, M. Mokhtar, **M.Fadlee A.Rasid**, +A Novel Multiplexing Technique for Improving Dispersion-Tolerance Transmission in Optical Communication System+, *Topical Meeting on Lasers and Optoelectronics*, Langkawi, Malaysia, February 2009.

Consultancy Reports

1. **M. F. A. Rasid**, N. K. Noordin, R. S. A. Raja Abdullah, A. F. Abas and M. I. Saripan, Kajian Kesediaan Penggunaan Teknologi Sensor, 2007-2008 (10 Reports)

Awards & Recognitions

1. Nominated for IEE J A Lodge Award for Outstanding Work in the Field of Medical Engineering, London, 2005.
2. Silver Medal Recipient, Faculty of Engineering Research and Invention, March 2006 for m-Health System.
3. Bronze Medal Recipient, Faculty of Engineering Research and Invention, March 2006 for Putra-IntelliHome System.
4. Bronze Medal Recipient, Invention, Research and Innovation Exhibition, UPM 2007 (PRPI 2007) for Non Invasive Medical Sensors for Body Area Networks
5. Bronze Medal Recipient, Invention, Research and Innovation Exhibition, UPM 2007 (PRPI 2007) for Laptop Security using RFID
6. Silver Medal Recipient, Invention, Research and Innovation Exhibition, UPM 2007 (PRPI 2007) for A New Route Maintenance Strategy for Dynamic Source Routing

7. Silver Medal Recipient, Invention, Research and Innovation Exhibition, UPM 2007 (PRPI 2007) for TCP Flooding Tracking Back under Denial of Service Attack
8. Nominated for Anugerah Penyelidik Muda (S&T) UPM 2006.
9. Recipient of Selangor Young Scientist Award, November 2006.
10. Recipient of Excellence Service Award UPM 2006.
11. Recipient of Excellence Teaching Award, Faculty of Engineering, UPM 2008
12. Recognition as Outstanding Young Scientist 2008 by InterAcademy Panel (IAP) and Academy of Sciences for the Developing World (TWAS)
13. Recipient of Anugerah Perunding Cemerlang UPM 2007

Other Recognitions of Research

1. Loughborough University Main News - October 2005
2. UK Press Release:
    a. The Leicester Mercury . October 6, 2005
    b. The Loughborough Echo . October 19, 2005
3. Publications in UK, Europe and USA magazines/institutions:
    a. The Engineers Online, UK - October 2005
    b. E-Health Insider, UK - October 2005
    c. East Midlands Incubation Network, UK . November 2005
    d. Health Service Journal, UK . November 2005
    e. British High Commission, UK Magazine . December 2005
    f. MedicalFacts, Netherlands - October 2005
    g. JouwNieuws, Netherlands - October 2005
    h. GSM Science, Poland . November 2005
    i. California Healthcare Foundation, USA - October 2005
    j. Telemedicine and Telehealth Information Exchange, Oregon, USA - October 2005
4. UK Media Coverage:
    a. BBC News . October 27, 2005
    b. BBC Radio Leicester - October 7, 2005
    c. UK Saga FM - October 7, 2005
5. Malaysia Media Coverage:
    a. Utusan Malaysia . January 26, 2006
    b. Utusan Malaysia . May 17, 2007

Other Publications

15. Nor Kamariah Nordin, Borhanuddin Mohd Ali, M. Iqbal Saripan, Fakhrul Zaman Rokhani, **Mohd Fadlee A. Rasid**, Khairulmizam Samsudin and Syamsiah Mashohor (editors), Proceeding of 2nd World Engineering Congress: Information and Communication Technology (ICT), Universiti Putra Malaysia, 2002. ISBN 967-960-138-2
16. **Mohd Fadlee A. Rasid,** Nor Kamariah Noordin, Raja Syamsul Azmir Raja Abdullah, Ahmad Fauzi Abas and M. Iqbal Saripan, "Wireless Sensor Network: The Next Generation of Sensor Technology", ENTIC FEIIC Bulletin on Engineering and Technology for Islamic Countries, ISSN 19854641, Vol 1, pp. 7-8, 2008