

CURRICULAR VITAE



Mohd Farhan MD FUDZEE

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PROFESIONAL MEMBERSHIP

International Membership:

- Member of Institute of Electrical and Electronics Engineers (IEEE), 2007-present
- Member of IEEE Computer Society (IEEE-CS), 2007-present
- Technical Committee of Multimedia Computing (TCMC:IEEE-CS), 2007-present
- Technical Committee of Visualization and Graphic (VGTC:IEEE-CS), 2007
- Member of IEEE Communication Society (IEEE-ComSoc), 2008-present
- Member of Association for Computing Machinery (ACM), 2008-present
- Member of SIG on Algorithms and Computation Theory (SIGACT), 2008-present
- Member of Info. Integration & Web-based Applications & Services (iiWAS), 2008
- Member of National Association of Underwater Instructor (NAUI), 2007-present

National Membership:

- Member of Association on Education Technology Malaysia, 2006-2007

EMPLOYMENT POSITION

- July 2000- Mac 2001 Practical Trainee, Irfan Technology Sdn. Bhd. Serdang, Selangor.
- Jan 2003-April 2004 System Analyst, SOLPRO Services, Selangor.
- May 2004-Mac 2005 Lecturer, Science Computer Department, Legenda College, Negeri Sembilan.
- April 2004-2011 Lecturer, Information System Department, Universiti Tun Hussein Onn Malaysia (UTHM).
- Jan 2006-Mac 2008 Head of Multimedia Unit, Information System Department, UTHM.
- Jun 2007-Jan 2008 Coordinator, Exec. Diploma of Hi-Tech Internet, INSEP Programme, UTHM.
- Jan 2008-Dec 2008 Supervisor, Bachelor of Info. Tech. Project, Open University Malaysia.
- July 2009-June-2010 Advisor, Academic programme (Multimedia), MARA InfoTech College, Johor.
- Dec 2009-August 2010 Research assistant, School of IT, Deakin University, Australia.

- 2011-present Lecturer, Multimedia Department, Universiti Tun Hussein Onn Malaysia (UTHM).
- Jan 2012-present Head, Software and Multimedia Centre, Universiti Tun Hussein Onn Malaysia (UTHM).

ACADEMIC QUALIFICATIONS

- 8 August 2012 Doctor of Philosophy (Multimedia Computing), Deakin University, Australia.
- 14 May 2005 Master of Science in Information Technology MARA University of Technology, Malaysia.
- 22 Sept 2003 Bachelor of Science in Information Technology (hons), MARA University of Technology, Malaysia.
- 28 July 2001 Diploma in Computer Science, Malaysia University of Technology.
- Jan 1993-Dic 1997 Malaysian Education Certificate, Sekolah Tuanku Abdul Rahman (STAR) (UPSR: 4A/4; PMR 8A/8; SPM: 6A/9, Agg.7, P1)

AWARDS

- 1995 PMR Student Excellent Award, Bank Bumiputra Malaysia Berhad.
- 2001-2003 Recipient, Bachelor Degree study, JPA Scholarship, Malaysia.
- 2006 Recipient, Excellent Teaching & Learning Award. UTHM, Malaysia.
- Oct 2007 Gold Medal, "E-Abacus"- **Leader**;
Silver Medal, "Mobile VoD"- **Leader**;
Bronze Medal, "E-mail Spammer"-**co-researcher**,
Research & Innovation Festival 2007, UTHM.
- 2006-2008 Excellent Academic-Subject Teaching Staff Award, Faculty of Info.Tech and Multimedia, UTHM.
- 2008-2011 Recipient, PhD study, Federal Scholarship, Ministry of Higher Education, Malaysia.
- 2008-2011 Recipient, Phd study, Staff Scholarship, UTHM, Malaysia.
- 2009 Marquis Who's Who in the World, USA
- 2009 Outstanding Intellectuals of the 21st Century 2009/2010, IBC, England
- Oct 2009 1st place, Higher Degree by Research Student Symposium 2009, School of Information Technology, Deakin University.
- May 2010 Silver Medal, "E-Abacus"- **co-researcher**, International Invention, Innovation and Technology Exhibition (ITEX) 2010. 14-16 May 2010, KLCC.
- Nov 2011 Publication Scholarship Award, Deakin University.
- Nov 2011 Gold Medal, "Service Discovery and Selection for

PUBLICATIONS

Book:

1. Kuasai PHP dan MySQL dengan Mudah: Langkah demi langkah (2008). Kamaruddin Malik, **Mohd Farhan Md Fudzee**, Mohamed Aizi Salamat, Zubaile Abdullah, UTHM Publisher, Malaysia. (in Bahasa)

Book Chapter:

1. **Mohd Farhan Md Fudzee**, Jemal Abawajy. Request-centric Cross-media Content Adaptation Technique (2010) in Developing Advanced Web Services through P2P Computing and Autonomous Agents: Trends and Innovation, Khaled Ragab, Tarek Helmy and Aboul-Ella Hassanien (ed.). IGI Global, USA.
2. **Mohd Farhan Md Fudzee**, Jemal Abawajy. Management of SLA for service-oriented Content Adaptation (2012) in Internet and Distributed Computing Advancements: Theoretical Frameworks and Practical Solution, Jemal Abawajy et. al (ed.). IGI Global, USA.

Journal and its equivalent:

1. **Mohd Farhan Md Fudzee**, Jemal Abawajy (2011). QoS-based Adaptation Service Selection Broker. Future Generation Computer Systems 27 (3), 256-264, Elsevier Publisher: Netherlands. ERA ranking A, impact factor 2010: 2.3.
2. **Mohd Farhan Md Fudzee** & Jemal Abawajy (2011). A Protocol for Discovering Content Adaptation Services. Lecture Notes on Computer Science 7017, 235-244.
3. **Mohd Farhan Md Fudzee**, Jemal Abawajy, Mustafa Mat Deris (2012). Service Discovery Mechanism for Service-oriented Content Adaptation. Lecture Notes of Computer Science, Information Technology and Engineering (LNCST) 73 (2), 308-309.

Teaching Module:

1. Multimedia Technology (2006). Co-author, UTHM Publisher, Malaysia.
2. Multimedia Technology Laboratory (2006). UTHM Publisher, Malaysia.

Thesis:

1. Broker-based Service-oriented Content Adaptation Framework (2012). Mohd Farhan Md Fudzee, PhD Thesis, Deakin University, Australia.
2. Design and Deployment of Hotspot Access Point Placement (2004). Mohd Farhan Md Fudzee, Master Degree Thesis, MARA University of Technology.
3. Student Profiling and Assessment System (2003). Mohd Farhan Md Fudzee, Bachelor Degree Thesis, MARA University of Technology.

Conference Proceeding:

4. **Mohd Farhan**, Mohd Izani, Mohd Faisal, Rosanita Adnan, Kamaruddin Malik, Mohd Helmy. Design and Deployment of an Access Control Hotspot using Network Engagement Methodology. 3rd Socio-Economy and IT Seminar, Brasmana Hotel, Perlis, 20-21 August 2005.

5. Mohamed Aizi, **Mohd Farhan**, Hairulnizam Mahdin. Platform Perkongsian Pengetahuan mengguakan Sistem Pengurusan Kandungan berasaskan Perisian Sumber Terbuka (in Malay). 3rd Socio-Economy and IT Seminar, Brasmana Hotel, Perlis, 20-21 August 2005.
6. Norlida Hassan, **Mohd Farhan**, Miswan Surip, Mohd Helmy. Impak Globalisasi Industri Maklumat Terhadap Perkembangan Sesebuah Negara (in Malay). 3rd Socio-Economy and IT Seminar, Brasmana Hotel, Perlis, 20-21 August 2005.
7. Mohd Sazali, Maizam Alias, **Mohd Farhan**, Miswan Surip, Helmy Adly. Enhancement of Understanding in Mathematics using CD Interactive-Collaborative Model. 18th Educational Technology Convention, Grand Continental Terengganu. 16-19 Nov 2005.
8. **Mohd Farhan**, Noorhaniza Wahid, Muhammad Fakri, Norhalina Senan. Video on Demand for supporting E-Learning: An Overview. Education Research Seminar (Maktab Perguruan Batu Pahat), Katerina Hotel, Johor, 25-27 Sep 2005.
9. Mohamad Aizi, **Mohd Farhan**, Kamaruddin Malik, Hairulnizam Mahdin. Mapping CMS Features with Knowledge Sharing Elements to Create Online Knowledge Sharing Model. KMICE 2006, 6-8 June 2006.
10. **Mohd Farhan**, Noorhaniza Wahid, Muhammad Fakri, Norhalina Senan, Rahayu Hamid. Developing a Small Scale Web-based VoD System for supporting Teaching and Learning: FTMM Experience. Int. Conf. of South East Asia Association of Institutional Research 2006. Awana Porto Malai, Kedah, 5-7 Sep 2006.
11. **Mohd Farhan**, Mohamad Aizi, Mohd Helmy, Emran Tamil, Mohd Faisal Ibrahim. Placement of an Access Control Hotspot using Walk-through Procedure. Int. Conf. on Network and Mobile Computing 2006. 28-29 August 2006.
12. Mohamad Aizi, **Mohd Farhan**, Kamaruddin Malik, Hairulnizam Mahdin, Zubaile Abdullah, Mohd Helmy. Creating Knowledge Sharing Platform using CMS based OSS, CONSIST 2006, 15-16 July 2006.
13. **Mohd Farhan**, Norfadzilah Ishak, Zurinah Suradi. Pembangunan Perisian Pembelajaran Asas Pecahan berpandukan Rekabentuk Instruksi (in Malay). 19th Educational Technology Convention, Awana Porto Malai, Kedah. 9-11 sep 2006.
14. **Mohd Farhan**, Helmi Adly. E-Abacus: Visualizing Mental Arithmetic. UiCEL 2007, Shah Alam, Selangor. 12-14 Dec 2007.
15. Mohamad Aizi, Zuraini Ismail, **Mohd Farhan**. Learning VB6 Programming using CDI. UiCEL 2007, Shah Alam, Selangor. 12-14 Dec 2007.
16. **Mohd Farhan**, Shahizan Shahabani, Mohamed Aizi Selamat. Video on Demand for Mobile Devices. Int. Malaysian education Tech. Conf. (IMETC) 2007, Sofotel Senai, Johor. 12-14 Dec 2007.
17. **Mohd Farhan**, Zurinah Suradi. Mohamed Aizi, Norlida Hassan. Knowledge Sharing Portal Building Blocks. RCCST, Sabah. 28-30 Nov 2007.
18. Mohamed Aizi **Mohd Farhan**. Knowledge Worker Support System. RCCST, Sabah. 28-30 Nov 2007.
19. Zubaile Abdullah, **Mohd Farhan**, Mohamad Aizi, Munirah Yusof, Fakhrul Razi. Electronic-Counselling for Secondary School: A Practical View, NAC 2007, Renaissance Hotel, Kelantan 3-4 Dec 2007.
20. **Mohd Farhan**, Jemal Abawajy. A Classification for Content Adaptation System. 10th International Conference on Information Integration and Web-based Applications & Services (iiWAS2008), 24-26 November 08, ACM Publisher: New York, pp. 426-429. ISBN: 978-1-60558-349-5.

21. **Mohd Farhan**, Jemal Abawajy, Mustafa Mat Deris. Multi-criteria Content Adaptation Service Selection Broker. CCGrid 2010, 21-25 May 2010, IEEE Publisher: New York, pp. 721-726.

Magazine:

1. **Invited Author Section “Multimedia Applications”**, Library Bulletin 03/07, UTHM Library, Malaysia.

Technical Report:

1. **Md Fudzee, M.F.** and Abawajy, J. March 2009. Modeling Request-Driven Cross-Media Content Adaptation Technique using Service Oriented Architecture (TR C09/01). Geelong, Australia: Deakin University, School of IT.
2. **Md Fudzee, M.F.** and Abawajy, J. April 2009. On the Design and Evaluation of a Novel Path Determination Technique for Content Adaptation Systems (TR C09/02). Geelong, Australia: Deakin University, School of IT.
3. **Md Fudzee, M.F.** and Abawajy, J. July 2010. On the Design and Evaluation of an Adaptation Service Discovery Approach (TR C10/04). Geelong, Australia: Deakin University, School of IT.
4. **M-F. Md-Fudzee** and J. Abawajy (2011). A Service Discovery Protocol for Content Adaptation Systems. TR C11/05. School of IT: Deakin University, Australia.
5. **M-F. Md-Fudzee** and J. Abawajy (2011). A Strategy of Negotiating QoS for Content Adaptation Services. TR C11/07. School of IT: Deakin University, Australia.

Poster Presentation:

1. Muhammad Fakri, Hidayati Othman, Kamarul Zaki, **Mohd Farhan**. Physic Lab using 3D Animation. International Invention, Innovation and Technology Exhibition (ITEX) 2005, Malaysia. 18-21 May 2005 (Bronze medal)
2. **Mohd Farhan**, Helmi Adly. Smart Abacus. PECIPTA 2007, Kuala Lumpur. 10-12 August 2007.
3. Mohd Norasri, **Mohd Farhan**. G2 Speed Trap System. RI Fest UTHM. 24-26 Oct 2007.

RESEARCH/ACADEMIC ACTIVITIES

Research Grants:

1. Developing Video on demand System to Support Teaching and Learning at FTMM (vot no. 0181), KUiTTHO, **co-researcher**, Research Management Centre Grant (RM 20,000). Jan – Dec 2006 (completed).
2. Video Summarization (vot no. 0340), **leader**, Seed Money Grant (RM 10,000) UTHM, May 2007-April 2008 (completed).
3. Developing Knowledge Sharing Portal (vot no. 0273), **co-researcher**, Fundamental Research Grant Scheme (RM 12,000), Malaysian Ministry of Higher Education. Jan- Dec 2007 (completed).
4. Developing Halal Hub for Small Medium Enterprise (SME) in Parit Raja (vot no. 0272), **co-researcher**, Fundamental Research Grant Scheme (RM 8,000), Malaysian Ministry of Higher Education. Jan- Dec 2007 (completed).

Keynote Speakers:

1. Title: Multimedia Applications in Education, Expo on Multimedia and IT (EXMAIT 2007), UTHM, 8 Nov 2007.
2. Keynote Speaker, Motivational Programme for Sekolah Menengah Sains Johor, 1 April 2007.

Reviewers:

1. ISCDE 2013.
2. **Journal of Network and Computer Applications**, Elsevier. 2012.
3. Selected Papers on Networks of ICCIT 2009, **Journal of Network**, Academy Publishers.
4. Selected Papers on Networks of ICCIT 2010, **Journal of Network**, Academy Publishers.

Scientific Committee:

1. Web and Publicity Chair, ISCDE 2013.

Administrative:

1. President, Computer Science Association 2001, UTM Kuala Lumpur.
2. Facilitator, Visual Basic 5, short course programme 2000, UTM Kuala Lumpur.
3. Advisor of Animation Section, IT Club, UTHM Batu Pahat. Jan 2007-Mac 2008.
4. Graphic Advisor of Car Race Varsity, KuiTTTHO Batu Pahat. Jan-Dec 2006.
5. Selection committee, Montage Festival, KuiTTTHO Batu Pahat. Jan-Dec 2006.
6. Student Academic Advisor, FTMM, UTHM, Batu Pahat. May 2005-Dec 2007.
7. Director, Adjunct Professor Programme, FTMM UTHM. 2006-2007.

CONSULTATION

1. CD Interactive for COMSTAR 2001, UTM Kuala Lumpur, (RM 5,000)
2. CD Interactive for IT Club FTMSK 2003, UiTM Shah Alam – leader, (RM 2,000)
3. Development of courseware (Algebra) for PhD student (April-Oct 2005), KuiTTTHO Batu Pahat.
4. E-Bahan (est. RM 110,000), UTHM Holding.
5. Instructor of SDJP 2012, Felda ProData (est. RM 40,000)

ATTENDED SEMINAR/CONFERENCE/WORKSHOP

1. 3rd Socio-Economy and IT Seminar, Brasmana Hotel, Perlis, 20-21 August 2005.
2. 18th Educational Technology Convention, Grand Continental Terengganu. 16-19 Nov 2005.
3. Education Research Seminar (Maktab Perguruan Batu Pahat), Katerina Hotel, Johor, 25-27 Sep 2005.
4. International Conference of South East Asia Association of Institutional Research 2006. Awana Porto Malai, Kedah, 5-7 Sep 2006.

5. 19th Educational Technology Convention, Awana Porto Malai, Kedah. 9-11 sep 2006.
6. UiCEL 2007, Shah Alam, Selangor. 12-14 Dec 2007.
7. International Malaysian education Technology Conference (IMETC) 2007, Shah Alam, Selangor. 12-14 Dec 2007.
8. Seminar on Problem-based Learning, KuitTHO Batu Pahat, 27 June 2005.
9. Sony Power Production workshop, Kuala Lumpur. 11-12 August 2006.
10. International Conference on IT in Asia: Social Computing, Hilton Hotel, Sarawak. 10-12 July 2007.
11. INSEP Conference 2007, Batu Pahat, Johor. 11-12 Sept 2007.
12. Expo on Multimedia and IT (EXMAIT 2007), UTHM, 8 Nov 2007.
13. International Invention, Innovation and Technology Exhibition (ITEX) 2005, Malaysia. 18-21 May 2005.
14. PECIPTA 2007, Kuala Lumpur. 10-12 August 2007.
15. Research and Invention Festival UTHM. 24-26 Oct 2007.
16. InfoSys Course, Faculty Enabling Programme, Universiti Teknologi Petronas, Perak. May 2007.
17. CCGrid 2010, langham Hotel, Melbourne, Australia. 21-25 May 2010.

ACADEMIC SUPERVISION

Bachelor Degree Project:

1. Norzilaila Jaafar, Content (Multimedia MX software) Development using Contextual Concept. Kuitho Batu Pahat. July-Oct 2005.
2. Azreen Ahmad Tan, CD Interactive (Japanese Language) Development using Contextual Concept. Kuitho Batu Pahat. July-Oct 2005.
3. Norfadzilah Ishak, Content (Fraction year 3) Development using instructional design. Kuitho Batu Pahat. Jan-April 2006.
4. Siti Nurlaili Nasuka, Content (Fraction year 4) Development using instructional design. Kuitho Batu Pahat. June-Nov 2006.
5. Helmi Adly, E-Abacus. UTHM Batu Pahat. Jan-April 2007.
6. Farah Nadia, Digital Library. UTHM Batu Pahat. Jan-April 2007.
7. Mohd Shahizan Shahabani, Video on Demand for Mobile-Learning. UTHM Batu Pahat. Jan-April 2007.
8. Diyana Helmi, Suzy's Furniture Inventory System. UTHM Batu Pahat. Jan-April 2007.
9. Mohd Farhannuden, 3D Chemistry Molecule. UTHM Batu Pahat. June 2007 – Mac 2008.
10. Darul Ridzwan, 3D Games using FPS concept. UTHM Batu Pahat. June 2007 – Mac 2008.
11. Shahida Baizura, Smart Abacus. UTHM Batu Pahat. June 2007 –Mac 2008.
12. Three OUM Malaysia Degree Projects. Jan-Dec 2007.
13. Nur Izzati Sulaiman, Sistem Pengurusan Tempahan Ruang, UTHM 2012.
14. Gan Ser Zee, Aplikasi Pembelajaran Bahasa Jerman, UTHM 2012.
15. Salmi Abd Munir, Sistem Hebahan MPP, UTHM 2012.
16. Lee Swee Jing, Chemistry Virtual Lab, UTHM 2012.
17. Liew Wee Jian, File Duplicate Eliminator, UTHM 2012.

Diploma Project:

1. Nor Hafizah Nordin, Zain's Clinic Management System. June-Nov 2006.

RESEARCH INTEREST

My research interest includes Multimedia Computing (Content Adaptation, Performance Analysis) and Multimedia Applications (including E-Learning Applications).