1. PERSONAL INFORMATION

Name	:	**SHAHLIZA ABD. HALIM**
Citizenship	:	Malaysian
Office	:	Software Engineering Department,
		Faculty of Computer Science and Information Systems,
		Universiti Teknologi Malaysia,
		81310 UTM Skudai, Johor, Malaysia
E-mail	:	shahliza@utm.my
Web site	:	http://se.fsksm.utm.my/shahliza/
Blog	:	http://www.staff.blog.utm.my/shahliza/

2. ACADEMIC QUALIFICATION

2006 – Now	Part time PhD in Software Engineering on-going
1998-1999	Master of Science (M.Sc.) in Computer Science, Department of Software Engineering, Universiti Teknologi Malaysia, Malaysia. Thesis title: "A Comparison Between Geometric Moment Invariant and Zernike Moment Invariant As Feature Extraction Techniques For Trademark Images"
1995-1997	Bachelor of Science (Computer Science – Software Engineering), Department of Software Engineering, Universiti Teknologi Malaysia, Malaysia. Thesis title: "System Pemakanan Seimbang bagi Hospital Sultanah Aminah"

3. EMPLOYEMENT

1997-2001	Tutor,
	Department of Software Engineering,
	Faculty of Computer Science and Information Systems,
	Universiti Teknologi Malaysia, Skudai, Johor.

2002-Now	Lecturer,
	Department of Software Engineering,
	Faculty of Computer Science and Information Systems,
	Universiti Teknologi Malaysia, Skudai, Johor.

4. TEACHING EXPERIENCE

4.1   Undergraduate Courses

2011/2012 - Semester 2
SCJ2203 Software Engineering

2011/2012 - Semester 1

SCJ3323 Software Architecture and Design
SCJ1203 Software Engineering

2010/2011-Semester 2

SCJ1203   Software Engineering
SCK1233 Software Engineering (FKE)

2006/2007 - Semester 1

SCK3032 Bachelor Degree Project I

2005/2006 - Semester 2

SCP3093 Software Engineering
SCP4293 Internet Computing

2005/2006 - Semester 1

SCP3093 Software Engineering
SCP4293 Internet Computing
SCP3103 Object Oriented Programming

2004/2005 - Semester 2

SCP4293 Internet Computing
SCP4103 Object Oriented Programming

2004/2005 - Semester 1

DCP2073 C Programming Basics
SCP4293 Internet Computing

2003/2004 - Semester 2

SCK1233 Software Engineering
SCP4293 Internet Computing

2003/2004 - Semester 1

SCK1233 Software Engineering
SCP4293 Internet Computing

2002/2003 - Semester 2

SCP3103 Object Oriented Programming
SCP3093 Software Engineering

2001/2002 - Semester 1

DCP2043 C Programming Basics

2000/2001 - Semester 1

SCP3103 Object Oriented Programming

1999/2000 - Semester 2

DCP2073 C Programming Basics
SCP3103 Object Oriented Programming

5. RESEARCH

5.1 Research Area

Software Product Line
Software Re-use
Component-Based Software Engineering
Software Architecture and Design

5.2 Research Activities

Member of Instructional Development Grant (IDG) -Dana Pembangunan Pengajaran; UTM Other R&D Fund "**Implementation of Problem-Oriented Project-Based Learning (POPBL) for Software Engineering (SE) Students using State-of-the-Art CASE Tool**" (August 1st, 2012- July 31st, 2013). Total : RM 10,000.00

Member of Fundamental Research Grant Scheme (FRGS) VOT 78094 "**A Generative Reuse Approach Component Based Software Engineering**", March 2007-August 2007. Total RM 10,000.

Project Leader of Research University Grant (RUG) from Universiti Teknologi Malaysia (UTM). Cost Center No.Q.J130000.7128.03J23. "**Modeling Approach for Variability Integration at Requirements and Architectural Level in Software Product Line**" April 2011 – March 2012. Total RM 40,000.

6. PUBLICATION

Journal

1. **Shahliza Abd. Halim**, Puteh Saad, Azah Kamilah Muda, **"A Comparison Between Geometric Moment Invariant and Zernike Moment Invariant As Feature Extraction Techniques For Trademark Images Nasional"** (Kertas kerja Jurnal Teknologi Maklumat FSKSM).
2. Bariah Yusob, Norbahiah Ahmad, and Shahliza Abd. Halim, **"Development of an Adaptive Hypermedia Learning System"**Malaysian Journal of Education Technology 16-19 September 2005. Nasional (Persidangan).
3. Anazida Zainal, Siti Maryam Samsudin, and **Shahliza Abd Halim**, **"Sistem Kebal Buatan untuk Pengecaman Digit Nasional"** (Kertas kerja Jurnal Sains Malaysian, UKM) Volume 34 ♦ Number 1 ♦ December 2005 93-99.

Conference Proceedings

1. **Shahliza Abd Halim**, Zulkifli Zaki, Noraini Ibrahim, Dayang N. A. Jawawi Safaai Deris, **"Mapping Architecture Concept to SYSML Profile for Product Line Architecture Modeling"** The Sixth IEEE International Conference on Software Engineering Advances (ICSEA2011), October 23-28, 2011 - Barcelona, Spain (*published* in IEEE Publication – Scopus Indexing).

2. Noraini Ibrahim, Wan M.Nasir W.Kadir, **Shahliza Abd.Halim**, Safaai Deris, Hidayah Elias, **"ReChaP Prototype: A Tool for Simplifying Requirement Change Propagation to Software Design",** The 3rd International Conference on Software Technology and Engineering (ICSTE) 2011, August 12-14, 2011, Kuala Lumpur, Malaysia. (*published in* ASME Digital Library, EI Compendex, ISI Thomson Indexing).

3. Arbaie, M. Z., Jawawi, D. N. A., **Halim, S. A.**, **"A study on Services Oriented Architecture for Autonomous Mobile Robot applications",** Software Engineering Postgraduate Workshop (SEPoW), 2010.

4. **Shahliza Abd. Halim**, Dayang Norhayati Abang Jawawi, and Safaai Deris. **"Requirements Identification and Representation in Software Product Line".** Asia Pacific Software Engineering Conference. Pulau Pinang. December 2009.

5. **Shahliza Abd. Halim**, Dayang Norhayati Abang Jawawi, and Safaai Deris. **"Variability Integration at Requirements and Architecture Level in Software Product Line"**. Engineering FSKSM Postgraduate Anual Research Seminar 2009 (PARS's 09), June 2009, Skudai. . pp. 852-857.

6. **Shahliza Abd. Halim**, Dayang Norhayati Abang Jawawi, and Safaai Deris. **"Variability Integration Metamodel: Combining Requirement and Architecture Centric Approaches"**. Malaysian Software Engineering Conference (MySEC'08) ,Trengganu , December 2008, pp.25-29.

7. **Shahliza Abd. Halim**, Dayang Norhayati Abang Jawawi, and Safaai Deris. **"Evaluation of Systematic Variablility Management for Requirements to Architecture Concern in Software Product Line"**, FSKSM Postgraduate Anual Research Seminar 2008 (PARS's 08) , July 2008, Skudai. pp. 534-539.

8. **Shahliza Abd. Halim**, Dayang Norhayati Abang Jawawi, and Safaai Deris. **"Generator Technologies Using Fundamental Methods in Software Product Line"**, Malaysian Software Engineering Conference (MySEC'07) , Kuala Lumpur , December 2007, pp.111-115.

9. **Shahliza Abd. Halim**, Dayang Norhayati Abang Jawawi, and Safaai Deris. **"Underlying Software Product Line Methods dan Generator Implementation"**, FSKSM Postgraduate Anual Research Seminar 2007 (PARS's 07) , July 2007, Skudai.

10. **Shahliza Abd. Halim**, Dayang Norhayati Abang Jawawi, and Safaai Deris. **"Synergy between Generative Reuse and Software Product Line"** Malaysian Software Engineering Conference (MySEC'06) , Kuala Lumpur, December 2006.

11. Bariah Yusob, Norbahiah Ahmad, and **Shahliza Abd. Halim "Development of an Adaptive Hypermedia Learning System"** Konvensyen Teknologi Pendidikan ke 18. 16-19 September 2005. Nasional (Persidangan).

12. Bariah Yusob, Norbahiah Ahmad, and **Shahliza Abd. Halim**, **"Individualizing the Learning Material and Navigation Path in an Adaptive Hypermedia Learning System"**. In: Proceedings of Conference on Computer Graphics and Multimedia, ESSET, Bangi, Disember 2004. Nasional (Persidangan).

Books / Book Chapters

1. **Shahliza Abd Halim**, **"Pengaturcaraan Orientasi Objek UML dan Java"**. (Modul Pengajaran ACE), FSKSM 2004.
2. Ahmad, Norbahiah and Abang Jawawi, Dayang Norhayati and Yusof, Norazah and **Abdul Halim, Shahliza** and Muda, Azah Kamilah and Ali Shah, Zuraini and Mat Amin, Ismail and Mohamed, Rozlina (2005) **"Struktur Data & Algoritma menggunakan C++".** Penerbit Universiti Teknologi Malaysia, Universiti Teknologi Malaysia, Skudai. ISBN 983-52-0369-5.
3. **Shahliza Abd Halim**,**"Panduan Pembelajaran Kejuruteraan Perisian"**. FSKSM.

7. PROFESSIONAL CERTIFICATIONS AND MEMBERSHIP

Professional Memberships in Association / Society / Interest Groups
Member, Persatuan Sains Matematik Malaysia (life time memberships) (Membership No. SB2000-3)

Member, IKRAM Malaysia NGO (life time memberships) (Membership No. IM6876)
Member, Persatuan Kakitangan Akademik (PKA)

Member, Malaysian Software Engineering Interest Group (MySEIG)
Member, Software Engineering Research Group (SERG), Universiti Teknologi Malaysia. (under K-Economy Research Aliance, RAKE).

Professional Member, The Institute of Electrical and Electronics Engineers (IEEE) (Membership No. 92121671)

Professional Member, The Association for Computing Machinery (ACM) (Membership No. 8400050)

Professional Member, The Society of Digital Information and Wireless Communications (SDIWC) (Membership No. 3547)

Professional Member, International Association of Computer Science and Information Technology (IACSIT) (Membership No. 80343304)

Professional membership of the International Association of Engineers (IAENG) (Membership No. 124056)

International / National

Member of Organizing Committee, the 2nd Malaysian Software Engineering Conference (MySEC'06).
Member of Program Committee, the 6th Int. Conf. on Software Engineering Advances (ICSEA'11) – Proceedings published by IEEE.

Reviewer Committee, the 5th Malaysian Software Engineering Conference (MySEC'11) – Proceedings published by IEEE.
Reviewer Committee, the 3rd International Conference on Computer Technology and Development (ICCTD'11).
Reviewer Committee, the 2nd International Conference on Software Engineering and Computer Systems (ICSECS'11) - Proceeding published by Springer LNCS.
Reviewer Committee, World Congress on Information and Communication Technologies (WICT'11) - Proceedings published by IEEE.
Reviewer Committee, the International Conference on Informatics & Applications(ICIA'12)- cooperation with The Society of Digital Information and Wireless Communications (SDIWC).
Member of Program Committee, the 7th Int. Conf. on Software Engineering Advances (ICSEA'12) – Proceedings published by IEEE.
Editorial Board, The International Journal On Advances in Software- published by IARIA (http://www.iariajournals.org/software/index.html). September 2012 - August 2014 (2 years)

Academic Administration
2011 – July 2012 : First Year Experience Academic Advisor, Academic Advisor, Industrial Training Advisor
2012: Secretariat for Bachelor of Software Engineering Task Force
2012: AJK Kebajikan Jabatan

Ad Hoc Committee
 July 2012: Hi Tea FSKSM
July 2012: Food and Beverage Committee, Workshop on Academic and Human Resource Synergy at Desaru Damai Resort
July 2012: Participant for Workshop on Academic and Human Resource Synergy at Desaru Damai Resort
July 2012: Participant for Task Force on B SE Working Paper
August 2012: Participant for Reflection on B SE Program
October 2012: Majlis Qurban FSKSM comittee

Community Service

2012 : iconApps Program Presenter, "Persuasive Energy Conservation Mobile Apps for UTM communities"http://www.mscmalaysia.my/icon2/programmes.htm
2012 : UTM Bank Idea contribution, Ruang Kerja yg Inovatif, http://ideabank.utm.my/2012/03/20/ruang-kerja-yang-inovatif/