Kurikulum Vitae

Prof. Madya Dr. Salmi binti Baharom

Kelulusan Akademik

- PhD in Software Engineering, Universiti Kebangsaan Malaysia, 2010
- Master of Info. Technology (Comp. Sc.), Universiti Kebangsaan Malaysia, 2002
- Bac. of Computer Science, Universiti Putra Malaysia, 1999

Keahlian Profesional Semasa

- Ahli, IEEE Computer Society (Membership No: 93093530)
- ISTQB, Certified Testers Foundation Level (Membership No: MY0144-10)

Tanggungjawab Pengajaran Semasa

- Aplikasi Pembangunan Pangkalan Data
- Pengujian Perisian

Pengalaman Kerja

April 1990 – April 2000	*Pengaturcara Program* Pusat Komputer, UPM
April 2000 – April 2004	*Tutor* Fakulti Sains Komputer dan Teknologi Maklumat, UPM
April 2004 – Mac 2011	*Pensyarah* Fakulti Sains Komputer dan Teknologi Maklumat, UPM
April 2011 – Current	*Pensyarah Kanan* Fakulti Sains Komputer dan Teknologi Maklumat, UPM

Persidangan dan Latihan

Persidangan:

1. International Conference on Computing and Informatics (ICOCI 2015), 11–13 Aug 2015, Istanbul, Turkey.
2. 9th Malaysian Software Engineering Conference (MySEC 2015), 16-17 Dec 2015, Mines Wellness Hotel, Kuala Lumpur.
3. International Conference on Information Science and Security (ICISS 2016), 19–22 Dec 2016, Pattaya, Thailand
4. International Conference on Innovation in Computer Science and Engineering (ICiCSE 2017), 7 – 8 Feb 2017, Faculty of Computer Science and Information Technology, Universiti Putra Malaysia, Malaysia.
5. International Conference on Innovations in Computer Science and Engineering (ICICSE 2019), 26-28 June 2019, Miri, Sarawak, Malaysia.

Latihan:

1. Bengkel *Peer-FEP (Module Business Intelligence)*, 20 April 2014, Swan Garden Hotel, Melaka.
2. Taklimat *Bersama Dekan Fakulti Pengajian Pendidikan*, 21 November 2014, DKU, FSKTM, UPM.
3. Selenium Essential, 3 – 5 Disember 2019, Tertiary Infotech Sdn. Bhd.Level 29, Tower A, Vertical Business Suite, Avenue 3, Bangsar.

Penyelidikan dan Penerbitan (3 tahun terakhir)

Projek Penyelidikan:

1. Enhanced Random Selection by Employing Q-Learning Algorithm for Intelligently Selecting Action in Automated GUI Testing, FRGS, (FRGS/1/2019/ICT01/UPM/02/6), 2019
2. Multi-Factor Approach to Prioritize Event Sequences Test Cases, GP-IPS, (GP-IPS/2018/9621100), 2018
3. Genetic Algorithm Approach to Enhance the Effectiveness of State-Sensitivity Partitioning in Generating Test Cases, FRGS, (08-01-15-1723FR), 2015

Penerbitan Terpilih

Jurnal Indexs ISI

1. Kamal Z. Zamli, Fakhrud Din, **Salmi Baharom** and Bestoun S Ahmed, “Fuzzy Adaptive Teaching Learning-based Optimization Strategy for the Problem of Generating Mixed Strength t-way Test Suites”, *Engineering Applications of Artificial Intelligence*, 2017, 59, pp 35-50

Jurnal Index Sitasi

1. Johanna Ahmad and Salmi Baharom. Prioritizing Event Sequences Test Cases based on Faults. In: J. of Adv. Research in Dynamical & Control Systems, 10(11), 2018, pp. 158-165
2. Johanna Ahmad and Salmi Baharom. Factor determination in prioritizing test cases for event sequences: A systematic literature review. In: J. Telecommun. Electron. Comput. Eng. 10, 2018, pp. 1- 4
3. Ammar Mohammed Sultan, Salmi Baharom, Abdul Azim, Hazura Zulzalil and Jamilah Din. Reducing test suite of State-Sensitivity Partitioning (SSP). In: J. Telecommun. Electron. Comput. Eng.10, 2018, pp. 1-6
4. Johanna Ahmad, Salmi Baharom, Myzatul Akmam Sapaat. Test case prioritization technique for event sequence test cases based on redundancy factor. In: J. Theor. Appl. Inf. Technol., 97(8). 2018, pp. 6041-6052
5. Johanna Ahmad and Salmi Baharom. A Systematic Literature Review of the Test Case Prioritization Technique for Sequence of Events. In: Int. J. Appl. Eng. Res 12(7). 2017, pp.1389-1395
6. Samaila Musa, Abu Bakar Md. Sultan, Abdul Azim Abd Ghani, and Salmi Baharom. Regression test cases prioritization for object-oriented programs using genetic Algorithm with reduced value of fault severity. In: Int. J. Soft Computing 11(4), 2016, pp. 247-254
7. **Salmi Baharom** and Zarina Shukur, "*The Conceptual Design of Module Documentation-based Testing Tool*", *Journal of Computer Science* (4), 2008, pp. 454-462.
8. Kamaruddin, A. S.Hassan, N.I.Admodisastro, N.Che Pa, and Baharom, S. E-Learning system usage based on user experience. A Case Study. *International Conference on Assessment for Higher Education Across Domains and Skills*. 17-19 December 2013, Kuala Lumpur.

Khidmat Masyarakat

1. Ahli, Islamic Relief Malaysia, 2014.

Maklumat Lain Berkaitan

Penyeliaan:

Program	Status	Pengerusi	Ahli
PhD	Bergraduat	2	1
	Semasa	0	6
Masters (dengan tesis)	Bergraduat	1	1
	Semasa	0	0

Masters (tanpa tesis)	Bergraduat	8	N/A
	Semasa	1	N/A

Anugerah:

Pingat di Pertandingan Penyelidikan dan Reka Cipta	Emas	Perak	Gangsa
32nd International Des Invention Exhibition at Geneva	0	0	1
PRPI UPM	1	1	1
I-PHEX		1	
CITREX	1		

Hak Cipta:

1. Algorithm of State Sensitivity Partitioning Optimizer (Inventor)
2. BuggyD: Duplicate Bug Report Detection System (Co-inventor)
3. Test Case Prioritization for Event Sequences Test Cases – Source Code (Inventor)
4. Test Case Prioritization for Event Sequences Test Cases – Process Flowchart (Inventor)
5. Test Case Prioritization for Event Sequences Test Cases – Object Code (Inventor)