

SUZI IRYANTI FADILAH

No. 12, Lorong Wawasan 19 Bertam Perdana 2

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suziiryanti@usm.my

EDUCATION

- 2011-2017 **Doctor Philosophy of Science (Honours):** Universiti Sains Malaysia (USM)
Major (**Computer Networking/QoS**)
- 2009-2011 **Master of Computer Science (Internetworking):** Universiti Teknikal Malaysia Melaka (UTeM)
- 2005-2008 **Bachelor of Computer Science (Networking):** Universiti Teknikal Malaysia Melaka (UTeM)
- 2004-2005 **Perak Matriculation College (KMPk) :** Pre University (Course: Physical Science)

EMPLOYMENT AS LECTURER/PART TIME LECTURER/TEACHING ASSISTANT

- 2018** **Lecturer**
February 2018-present: School of Computer Science, Universiti Sains Malaysia, (USM) Penang.
- 2017** **Lecturer**
January 2017- January 2018: School of Science and technology, Wawasan Open University Penang (WOU)
- 2016** **Teaching Assistant**
CST 231 Data Communication and Networks (Bachelor): September 2016-December 2016 (School of Computer Science, USM)
- 2016** **Part Time Lecturer**
TCC234/05 Computer Network (Bachelor): September 2016- December 2016 Wawasan Open University, Penang (WOU)
- 2016** **Course Writer**
TSN 305/05 Wireless Computing (6 months Project) Awarded by School of Science and Technology (SST, Wawasan Open University, Penang)
- 2016** **Adjunct Course Coordinator**
TSN 305/05 Wireless Computing (Bachelor): July 2016 – December 2016 (Wawasan Open University, Penang)
- 2014** **Teaching Assistant**
CST 231 Data Communication and Networks (Bachelor): September 2014 -December 2014 (USM)
- 2014** **Part time Lecturer**
MGT 417 Information Technology in Business (Bachelor): March 2014- June 2014 (UiTM Penang)

2009

Lecturer

Teaching Computer Science/IT/Computer Networks subjects (Diploma/ Bachelor)
International College of Yayasan Melaka (ICYM): January 2009 – August 2011
Subjects: Programming C, Data Communication and Networks, Computer Security, and
other Computer subjects

JOURNAL/ CONFERENCES/ BOOKS

- 2020 Reviewer The 2020 IEEE 92nd Vehicular Technology Conference: VTC2020-Fall
- 2020 Editorial Board members (Section Editor), Journal of Information and Communication Technology (International)
- 2020 Book Reviewer of Aplikasi Teknologi Maklumat Dan Komunikasi, 2020, Aplikasi Teknologi Maklumat Dan Komunikasi (Publisher: UTHM)
- 2020 Reviewer Journal of Information and Communication Technology (JICT)
- 2020 Reviewer Journal of Robotics and Controls (JRC)
- 2020 Reviewer Global Research Conference (GRaCe) 2020
- 2020 Reviewer The Sixth International Conference on Internet Applications, Protocols and Services (NETAPPS2020)
- 2020 Reviewer The Asian Conference on Education & International Development (ACEID) 2020
- 2020 Reviewer The 9th International Conference on Advances in Vehicular Systems, Technologies and Applications VEHICULAR 2020
- 2019 Reviewer Journal of Information and Communication Technology (JICT)
- 2019 Reviewer Malaysian Journal of Medicine & Health Sciences
- 2019 Reviewer Journal of Robotics and Controls (JRC)
- 2017 Paper Reviewer for CAMP 16 (Organizer: PECAMP)
- 2016 Paper Reviewer for iSMSC 2015 (Organizer: UiTM)
- 2015 Paper Reviewer for IC3E 2015 (Organizer: UTHM)

PROFESSIONAL MEMBERSHIP

- 2020 Certified IPv6 Fundamental, ITU-MUST IPv6 & IOT Center of Expertise,
- Lifetime Members, Internet Society, - (International)
- 2019 Members, International Academic Forum (IAFOR), - (International)
- 2018-2021 Huawei Certified Instructor

OTHERS

- 2021 Assessor Penambahbaikan Kurikulum Politeknik Balik Pulau, 2021, Politeknik Balik Pulau (National)
- 2020 APAN 49 Fellowship, Kathmandu, Nepal, 2020 (International)
- 2019 Assessor Penambahbaikan Kurikulum Politeknik Balik Pulau, 2019, Politeknik Balik Pulau (National)

COMMUNITY ENGAGEMENT

- Lifetime Volunteer, Majlis Kanser Nasional / National Cancer Council (MAKNA Malaysia)
- Lifetime Volunteer, Mental Illness Awareness And Support Association (MIASA Malaysia)
- Lifetime Volunteer, A global community of mental health innovators (International)

GRANTS

- 2021-2024 **National Grant with School of Humanities USM: FRGS (RM 125,400.00)**
Mohd Nizam Bin Sahad, Mohd Najwadi Bin Yusoff @ Abdul Rahman, Mohd Sholeh Bin Sheh Yusuff , Suhaila Binti Abdullah, Suzi Iryanti Binti Fadilah, Wan Hishamudin Bin Wan Jusoh , Model Infak Bersepadu (Mib) Antara Masjid Dan Kelompok Asnaf Terpilih, Rm125,400.00,
Role: CO-Researcher
- 2020-2024 **RUI Grant by USM with School of Dental Science : RM 30000**
The Effectiveness of Mobile Application Prototype (Gigiku Sihat) in Improving Dietary Habit and Oral Hygiene of Children Aged 4 to 6 Years Old and the Nutrition and Oral Health Knowledge, Attitude and Practice of the Parents in Kelantan.
Role: Co-Researcher
- 2019-2021 **National Grant: FRGS (RM74, 800)**
A New Mobility Model and Novel Context-Aware Collision Avoidance System for Motorcycle Riders in Urban Cities.
Role: Principal Investigator, School of Computer Science USM
- 2019-2021 **Wawasan Open University (WOU) Internal Grant (RM30 000)**
Virtual Lan Surveying Instrument for Open Distance Learning (ODL)
Role: Co-Researcher, School of Science & Technology
WOU
- 2018-2019 **Wawasan Open University (WOU) Internal Grant (RM13000)**
Self-directed learning readiness, Internet self-efficacy, and preferences towards constructivist Internet-based learning environments amongst distance learners of WOU and Public University in Penang.
Role: Co-Researcher, School of Business WOU
- 2013-2015 **USM Short Term Grant (RM40000)**
Vehicle to vehicle communication in Vehicular Ad-hoc Network (VANET)
Role: Co-Researcher, School of Computer Science USM

AWARDS

- 2019 **APAN 49 Fellowship (Kathmandu)**
- 2021 ITE London , International Invention and Trade Expo London 2021, 2021 (International) – **Gold Award and Special Award**

COURSE TAKEN

2020

Certified IPv6 Fundamental

July 2020, Online Training

2018

HCAI (HUAWEI Certified Academy Instructor)

July 2018, Shah Alam

2017

CCAI (CISCO Certified Academy Instructor) Training: CCNA 1 and CCNA 2

17 April 2017-28 April 2017, Shah Alam

2009-2011

- Bengkel Penyediaan Dokumen Code of Practice for Programme Accreditation (COPPA-MQA) at Hotel Kings Melaka Kursus Kemahiran Keberkasanan Pedagogi at Glory Paradise Resort, Port Dickson
- Kursus Peningkatan Peagogi & Profesionalisme at Hotel Ancasa, Melaka
- Kursus Tauliah Jurulatih BELT (Best Effective Learning Techniques) at Corus Beach Resort
- Bengkel Penyusunan Semula Silibus Diploma Teknologi Maklumat at International College of Yayasan Melaka
- Bengkel Pembinaan Item Ujian dan Penyediaan Penilaian at Puteri Resort, Melaka
- Seminar Teknologi Maklumat 2009-Memperkasakan Inovasi Internet: Konsep & Perlaksanaan at Hotel Ancasa, Melaka

LIST OF PUBLICATIONS

1. Tan Shi An, **Suzi Iryanti Fadilah**, Pantea Keikhosrokiani, Nur Hana Samsudin, 2021, *Exploring the Business Intelligence Efficiency in Organizations Among Employees in Penang, Malaysia*, IEEE Proceeding Scopus, 431-438 (SCOPUS/ACCEPTED) - **Corresponding Author**
2. Mohammed Madi, Khuzairi Mohd Zaini, **Suzi Iryanti Fadilah** 2021 *The Impact of Access History Length And Storage Capacity On The Performance of Replication Algorithms in Grid Environment*, Springer (Scopus) Book Chapter Publication (SCOPUS/ACCEPTED)- **Corresponding Author**
3. Robiah Yusof, Erman Hamid, **Suzi Iryanti Fadilah**, 2021, *Studies on the effectiveness of students' technical competency using hands-on-approach in Network Analysis and Design Course at UTeM*, Conference Proceeding with e-ISBN (Non Scopus/ACCEPTED) – Co-Author
4. E.B. Priyanka, S. Thangavel), Martin Sagayam Kulandairaj, Mohd Helmy Abd Wahab, **Suzi Iryanti Fadilah** 2021 *Analysis on IoT based Fault Identification in Oil pipeline using Prognostic Algorithm* , IEEE Proceeding Scopus, 431-438 (SCOPUS/ACCEPTED) – Co-Author
5. Bahareh Pahlevanzadeh, Sara Koleini **Suzi Iryanti Fadilah** (2020) Security in IoT: Threats and Vulnerabilities, Layered Architecture, Encryption Mechanisms, Challenges and Solutions. In *2nd International Conference on Advances In Cyber Security (ACeS 2020)*. Part of the Communications in Computer and Information Sciencebook series (CCIS, volume 1347) pp 267-283 – (SCOPUS/Co-Author)
6. A. R. Mohd Shariff, M. F. Abdul Jalil and **S. I. Fadilah** (2020) The Study of Digital Identity of Mobile Users Based on Android Dataset. In *Applied Informatics International Conference 2020 (Ailc 2020)*- (Non indexed Journal/Co Author)
7. **Fadilah, S. I.**, Shariff, A. R. M. & Hilmi, M.N.M (2019) Crash Avoidance Based Periodic Safety Message Dissemination Protocol for Vehicular Ad Hoc Network. In *IEEE 89th Vehicular Technology Conference VTC 2019 (SCOPUS/Main Author)*
8. Madi M.K., Zaini K.M., Ahmad. A & **Fadilah S.I.** (2019) Layered Based Classification Framework for Network Fault Management using Machine Learning. *International Journal of Innovative and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume 8, June 2019.* (Non indexed Journal/Co Author)
9. Oluwaseyi Jaiyeoba, Azizul Rahman Mohd Shariff, **Suzi Iryanti Fadilah** (2019). Passenger Vehicle Avoidance Time Model for Connected and Autonomous Vehicles. In *2019 7th International Conference on Information and Communication Technology (ICoICT)* – (SCOPUS/Co-Author)
10. F Muchtar, PK Singh, Y Kumar, AH Ariffin, **SI Fadilah**, MN Yusoff (2018) ToMRobot: A Low-Cost Robot for MANET Testbed. In *2018 Fifth International Conference on Parallel, Distributed and Grid Computing (PDGC)* – (SCOPUS/Co-Author)
11. F Muchtar, PK Singh, SNZ Ahmmad, R Ambar, HF Hanafi, **SI Fadilah** (2018) P2P Over MANET: A Review and Its Conceptual Framework. In *2018 Fifth International Conference on Parallel, Distributed and Grid Computing (PDGC)* – (SCOPUS/Co-Author)
12. AA Hashim, ARM Shariff, SI Fadilah (2017) The modified safe clustering algorithm for vehicular ad hoc networks. In *2017 IEEE 15th Student Conference on Research and Development (SCoReD)*
13. SI Fadilah, MHA Wahab, ARM Shariff, KM Zaini, AS Shibghatullah (2016) Improving Vehicular Ad hoc Networks (VANET) Communication Performance by using Time Gap Following Distance (TGFD) Model. In *Knowledge Management International Conference (KMICe) 2016, 29 – 30 August 2016, Chiang Mai, Thailand*
14. Fadilah, S. I., & Shariff, A. R. M. (2014, January). A Time Gap Interval for Safe Following Distance (TGFD) in Avoiding Car Collision in Wireless Vehicular Networks (VANET) Environment. In *Intelligent Systems, Modelling and Simulation (ISMS), 2014 5th International Conference on* (pp. 683-689). IEEE.
15. Suzi Iryanti, F. (2010). *A Comparative Analysis of QoS For Data Transmission Over Wirelees Network* (Master dissertation, UTeM).
16. Fadilah, S. I., Wahab, A., Helmy, M., Shibghatullah, A. S., & Hashim, W. N. W. (2015). Wireless vehicular network based commercial advertisement dissemination (VCAD).
17. Fadilah, S. I., & Rahman, A. (2015). New Time Gap Analytical Model for Rear End Collision Avoidance In Wireless Vehicular Networks.
18. Fadilah, S. I., Shibghatullah, A. S., Abal Abas, Z., Wahab, A., Helmy, M., & Hashim, W. N. W. (2014). Performance analysis for wireless G (IEEE 802.11 G) and wireless N (IEEE 802.11 N) in outdoor environment.
19. Fadilah, S. I., & Rahman, A. (2015). A Novel Adaptive Time Gap -Based Congestion Control for Vehicular Ad Hoc Network.
20. Fadilah, S. I., & Shariff, A. R. M. A Time Gap Interval for Safe Following Distance (TGFD) in Avoiding Car Collision in Wireless Vehicular Networks (VANET) Environment.
21. Fadilah, S. I., Wahab, A., Helmy, M., Shariff, A. R. M, KM Zaini, Shibghatullah, A. S. (2016) Improving Vehicular Ad hoc Networks (VANET) Communication Performance by using Time Gap Following Distance (TGFD) Model
22. Hashim, W. N., Shariff, A. R. M., & Fadilah, S. I. (2013, November). A new hop-count and node-degree based routing protocol for Vehicular Ad-hoc Networks (VANETs). In *Communications (MICC), 2013 IEEE Malaysia International Conference on* (pp. 310-315). IEEE.
23. Shibghatullah, A. S., M Sultan, S., R Abudulsheed, H., Fadilah, S. I., Wahab, A., & Helmy, M. (2014). Design and Development Of Zigbee Based Wireless Remote Controlling And Data Acquisition Device Through Internet. *Journal of Theoretical and Applied Information Technology*, 228-233.

REFEREES

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