

CURRICULUM VITAE

ASSOCIATE PROFESSOR DR. SHARIFAH MUMTAZAH SYED AHMAD ABDUL RAHMAN

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Education

- Ph.D Electronics, University of Kent, UK. (2004)
- M.Sc Communication Systems Engineering, University of Kent, UK (2000)
- B.Eng Computer Systems Engineering, University of Kent, UK. (1999)

Areas of Interest

- Biometrics (a member of ISO / IEC JTC 1 / SC 37 – Biometrics)
- Information Security
- Artificial Intelligence, Machine Learning & Deep Learning
- Data Analytics
- C, R, Java and Python Programming

Professional Membership & Learned Society

1. Member, Institute of Electrical and Electronics Engineers (IEEE), USA (since 2008 – current)
2. Member, IEEE Computer Society (since 2011 – current)
3. Member, IEEE Signal Processing Society (since 2015 – current)
4. Member, ISO / IEC JTC 1 / CS37 on Biometrics (appointed since 2009 – current)

Appointments

Position	Duration
1. Associate Professor, Department of Computer & Communication Systems Engineering, Faculty of Engineering, UPM	April 2011 - present
2. Senior Lecturer / Head of Department, Department of Systems & Networking, College of IT, UNITEN	Nov 2006 – March 2011
3. Lecturer, Faculty of Information Technology, Universiti Tun Abdul Razak (UNITAR)	2004 - 2006

Publications

1. Nur Luqman Saleh, Aduwati Sali, Raja Syamsul Azmir Raja Abdullah, Sharifah Mumtazah Syed **Ahmad**, Jiun Terng Liew, Fazirulhisyam Hashim, Fairuz Abdullah, Nur Emileen Abdul Rashid, "Utilizing Gammatone Filter Coefficient to Improve Human Mouth Click Signal Detection using Multiphase Correlation Process", Measurement, Vol. 224, January, 2024.
2. Omer Abdulhaleem Naser, **Sharifah Mumtazah Syed Ahmad**, Khairulmizam Samsudin, Marsyita Hanafi, Siti Mariam Shafie, Nor Zarina Zamri, "Facial Recognition for Partially Occluded Faces", Indonesian Journal of Electric Engineering and Computer Science, Vol. 30, No. 3, 2023. (DOI: 10.11591/ijeecs.v30.i3.pp1846-1855)
3. Omer Abdulhaleem Naser, **Sharifah Mumtazah Syed Ahmad**, Khairulmizam Samsudin, Marsyita Hanafi, "Investigating the Impact of Yaw Pose Variation on Facial Recognition

Performance”, *Advances in Artificial Intelligence and Machine Learning*; Vol. 3, No. 2, May, 2023. (DOI: 10.54364/AAIML.2023.1162)

4. Haqi Khalid, Shaiful Jahari Hashim, Fazirul Hisham, **Sharifah Mumtazah Syed Ahmad**, Muhammad Akmal Chaudhary, “HOOPOE: High Performance and Efficient Anonymous Handover Authentication Protocol for Flying Out of Zone UAVs”, *IEEE Transactions on Vehicular Technology*, March, 2023. (DOI: 10.1109/TVT.2023.3262173)
5. Lu Li, Aduwati Sali, Jiun Terng Liew, Nur Luqman Salleh, Sharifah Mumtazah Syed Ahmad, Azizi Mohd Ali, Ahmad Ainuddin Nuruddin, Nurizana Amir Aziz, Imas Sukaesih Sitanggang, Lailan Shaufina, Ati Dwi Nurhayati, Hisanori Nishino, Nobuyuki Asai, “Estimation of Ground Water level (GWL) for Tropical Peatland Forest using Machine Learning, *IEEE Access*, Vol. 10, 2022. (DOI: doi.org/10.1109/ACCESS.2022.3225906)
6. Ahmed Muthanna Shibel, **Sharifah Mumtazah Syed Ahmad**, Luqman Hakim Musa, Mohammed Naufal Yahya, “Deep Learning Detection of Facial Biometric Presentation Attack”, *International Journal of Health and Life Sciences*, Vol. 8, No. 2, 2002.
7. Haqi Khalid, Shaiful Jahari Hashim, **Sharifah Mumtazah Syed Ahmad**, Fazirul Hisham, Muhammad Akmal Chaudhary, “Cross-sn: A Lightweight Authentication Scheme for a Multi Server Platform using IoT based Wireless Medical Sensor Network”, *Electronics*, Vol. 10, No. 7, 2021. (DOI: doi.org/10.3390/electronics10070790)
8. Haqi Khalid, Shaiful Jahari Hashim, **Sharifah Mumtazah Syed Ahmad**, Fazirul Hisham, Muhammad Akmal Chaudhary, “SELAMAT: A New Secure and Lightweight Multi-Factor Authentication Scheme for Cross Platform Industrial IoT Systems”, *Sensors*, Vol. 21, No. 4, 2021. (DOI: 10.3390/s21041428)
9. Wan Azizun Wan Adnan, Siti Mariem Shafie, **Sharifah Mumtazah Syed Ahmad**, Emierul Izzuddin Jefri, Salasiah Hitam, “Development of a Basketball Coaching App”, *Journal of Physics: Conference Series*, Vol. 1489, No. 1, 2020.
10. Enas A. Raheem, Sharifah Mumtazah Syed Ahmad, Wan Azizun Wan Adnan, “Insights on Face Liveness Detection: A Systematic Literature Review”, *International Journal of Electrical and Computer Engineering*, Vol. 9, No. 6, 2019. pp. 5165-5175. (DOI: 10.11591/ijece.v9i6.pp5165-5175)
11. Fadi Imad, Sharifah Mumtazah Syed Ahmad, Shaiful Jahari Hashim, Khairulmizam Samsudin, “GPU Accelerated Stereo Vision System to Capture Handwriting Information”, *International Journal of Advanced Trends in Computer Science and Engineering*, Vol. 8, No. 4, 2019. pp. 1186 - 1193. (DOI: 10.30534/ijatcse/2019/29842019)

Patents (If any)

1. Sharifah Mumtazah Syed Ahmad Abdul Rahman, Wan Azizun Wan Adnan, “Method and System for Steganography Within Handwritten Signature Images”, PI2013700217 , Patent Granted

Research Grants

Grant Title	Year	Source of Fund	Amount (RM)
Member, angrove Ecosystems via Internet of Things Application (MEITA) - Member	April, 2021	Asia @Connect	€D197,00
NAPC: Networked Peat Swamp ASEAN Forest - Member	July, 2018	NICT, Japan	USD76,00
Bio-Inspired Signal Waveform for Future Applications in Man Made Sensor System - Member	Feb, 2018	MOHE	RM95,000

Consultancy Projects/Grants

Grant Title	Year	Source of Fund	Amount (RM)
Stage 2: Multimodal Biometric Data Collection – Project Leader	Jan., 2024	Cybersecurity Malaysia	RM45,368
Stage 1: Multimodal Biometric Data Collection – Project Leader	Nov., 2023	CyberSecurity Malaysia	RM44,528
Work to Obtain Ethical Approval for Multimodal Biometrics Data Collection – Project Leader	June, 2023	CyberSecurity Malaysia	RM43,990
The Development of Technical Specifications Requirements of Facial Biometric Data Collection Database System for Biometric Security Evaluation Test Lab – Project Leader	March, 2022	CyberSecurity Malaysia	RM49,500
The Development of Technical Specification Requirements of Front End Facial Biometric Repository System Evaluation Test Lab – Project Leader	March, 2022	CyberSecurity Malaysia	RM49,500
Technical Specifications for Biometrics Data Repository – Project Leader	April, 2021	CyberSecurity Malaysia	RM30,000

Teaching Experience