Assoc Professor. Joanne Lim
Malaysia Sch of Engineering
Email: Joanne.Lim@monash.edu

Biography

Joanne Mun-Yee Lim received her Bachelor of Engineering (with honours) from Monash University in 2008, her Master of Engineering Degree from University Malaya in 2011, and her PhD (Engineering) from Multimedia University in 2016. She is also a member of The Institution of Engineers Malaysia and a Professional Engineer with Practicing Certificate (PEPC) of the Board of Engineers Malaysia. She joined the Department of Electrical Engineering in Asia Pacific University as a Lecturer in 2011. She is currently a Lecturer in the Department of Electrical and Computer Systems Engineering, School of Engineering, Monash University Malaysia. Her research interest includes Internet of Things (IoT), Intelligent Transportation System (ITS), Unmanned Aerial Vehicle (UAV/Drones), Vehicular Ad-hoc Network (VANET), Artificial intelligence, Machine Learning, Optimization schemes, Robotics design, Renewable and Sustainable Systems. Her research focuses on Internet of Things, communication system, machine learning and transportation. Her research also focuses on how the application of machine learning with Internet of Things in the field of vehicular system and unmanned aerial vehicle (drones) could improve quality of life. She has been actively looking at various ways to improving the quality of transportation using technologies. She has worked with many different industries to date and has been the chief investigator in many different IoT/Transportation/UAV research grants and projects.

Qualifications

BE. (Hons) Electrical and Computer System Engineering, Monash University Malaysia

Master of Engineering, Universiti Malaya (University of Malaya)

PhD in Engineering , Universiti Multimedia (Multimedia University)

MBOT, Ts

Member of IEM

PEng (PEPC, Ir)

Employment

Associate Professor
Malaysia Sch of Engineering
MONASH UNIVERSITY
23 Jan 2017 → present

Research outputs

Failure-prediction-activated Packet Rebroadcasting for Packet Loss Mitigation in Unmanned Aerial Vehicle Swarm Networks
Lim, R. Y. H., Lim, J. M. Y., Lan, B. L., Ho, P. W. C., Ho, N. S. & Ooi, T. W. M., Sept 2026, In: Reliability Engineering and System Safety. 273, 13 p., 112331.

Joint reflection coefficient, time proportion and power allocation for multicarrier backscatter communications
Goh, G.J.-V., Tan, C. K., Lim, J. M. Y., Lee, Y. L., Feng, K. & Wang, L. C., Dec 2025, In: Physical Communication. 73, 12 p., 102827.

Intelligent traffic rerouting with dynamic vehicle selection for congestion mitigation
Tay, L., Lim, J. M. Y., Liang, S. N., Chua, K. K. & Tay, Y. H., 15 Aug 2025, In: Engineering Applications of Artificial Intelligence. 154, 15 p., 111022.

Altitude-informed fusion pyramid network for multi-scale waste detection in unmanned aerial vehicle images
Liew, C. Y., Lim, J. M. Y., Tan, C. P. & Bin Tun Mohar, R. M. M., 1 Aug 2025, In: Engineering Applications of Artificial Intelligence. 153, 13 p., 110814.

Long-term traffic speed prediction utilizing data augmentation via segmented time frame clustering
Chan, R. K. C., Lim, J.M.-Y. & Parthiban, R., 10 Jan 2025, In: Knowledge-Based Systems. 308, 10 p., 112785.

A message verification scheme based on physical layer-enabled data hiding for flying ad hoc network
Mallikarachchi, D., Wong, K. S. & Lim, J.M.-Y., Sept 2024, In: Multimedia Tools and Applications. 83, 32, p. 77165–77185 21 p.

UAV swarm communication reliability based on a comprehensive SINR model
Lim, R. Y. H., Lim, J.M.-Y., Lan, B. L., Ho, P. W. C., Ho, N. S. & Ooi, T. W. M., Jun 2024, In: Vehicular Communications. 47, 18 p., 100781.

Reimagining Violent Action Detection with Human-Object Interaction
Baskaran, V. M., Sutopo, R., Lim, J. Y., Lim, J. M. Y. & Wong, K. S., 2024, *2024 IEEE Internatonal Conference on Advanced Video and Signal Based Surveillance (AVSS).* Jia, S. (ed.). 2024 ed. Piscataway NJ USA: IEEE, Institute of Electrical and Electronics Engineers, 7 p.

ADFPA – A deep reinforcement learning-based flow priority allocation scheme for throughput optimization in FANETs
Lau, W. J., Lim, J.M.-Y., Chong, C. Y., Ho, N. S. & Ooi, T. W. M., Dec 2023, In: Vehicular Communications. 44, 14 p., 100684.

Collaborative vehicle rerouting system with dynamic vehicle selection
Ho, M. C., Lim, J.M.-Y., Chong, C. Y., Chua, K. K. & Siah, A. K. L., Dec 2023, In: IEEE Transactions on Intelligent Transportation Systems. 24, 12, p. 14546-14555 10 p.

3D detection transformer: Set prediction of objects using point clouds
Tan, T., Lim, J.M.-Y., Foo, J. J. & Muniandy, R., Nov 2023, In: Computer Vision and Image Understanding. 236, 10 p., 103808.

Urban traffic volume estimation using intelligent transportation system crowdsourced data
Tay, L., Lim, J.M.-Y., Liang, S.-N., Keong, C. K. & Tay, Y. H., Nov 2023, In: Engineering Applications of Artificial Intelligence. 126, Part C, 12 p., 107064.

An authentication scheme for FANET packet payload using data hiding
Mallikarachchi, D., Wong, K. S. & Lim, J. M. Y., Sept 2023, In: Journal of Information Security and Applications. 77, 8 p., 103559.

General outage probability model for UAV-to-UAV links in multi-UAV networks
Lau, W. J., Lim, J.M.-Y., Chong, C. Y., Ho, N. S. & Ooi, T. W. M., Jun 2023, In: Computer Networks. 229, 13 p., 109752.

Short-term traffic forecasting model: prevailing trends and guidelines
Soon, K. L., Chan, R. K. C., Lim, J.M.-Y. & Parthiban, R., Jun 2023, In: Transportation Safety and Environment. 5, 3, 19 p. , tdac058.

Missing traffic data imputation for artificial intelligence in intelligent transportation systems: review of methods, limitations, and challenges
Chan, R. K. C., Lim, J. M. Y. & Parthiban, R., 3 Apr 2023, In: IEEE Access. 11, p. 34080-34093 14 p.

High dimensional origin destination calibration using Metamodel Assisted Simultaneous Perturbation Stochastic Approximation
Ho, M. C., Lim, J.M.-Y., Chong, C. Y., Chua, K. K. & Siah, A. K. L., Apr 2023, In: IEEE Transactions on Intelligent Transportation Systems. 24, 4, p. 3845-3854 10 p.

ERNet: An efficient and reliable human-object interaction detection network
Lim, J. Y., Baskaran, V. M., Lim, J.M.-Y., Wong, K., See, J. & Tistarelli, M., 2023, In: IEEE Transactions on Image Processing. 32, p. 964-979 16 p.

SCRATCHHOI: Training human-object interaction detectors from scratch
Jun Yi, L., Baskaran, V. M., Lim, J.M.-Y., Sutopo, R., Wong, K. & Tistarelli, M., 2023, *2023 IEEE International Conference on Image Processing, Proceedings.* Ngo, C.-W. & See, J. (eds.). Piscataway NJ USA: IEEE, Institute of Electrical and Electronics Engineers, p. 1690-1694 5 p.

UAV swarm communication reliability prediction using machine learning
Lim, R. Y. H., Lim, J. M. Y., Lan, B. L., Ho, P. W. C., Ho, N. S. & Ooi, T. W. M., 2023, *8th International Conference on Recent Advances and Innovations in Engineering: Empowering Computing, Analytics, and Engineering Through Digital Innovation, ICRAIE 2023.* IEEE, Institute of Electrical and Electronics Engineers

Efficient long-term dependencies learning for passenger flow prediction with selective feedback mechanism
Sutopo, R., Lim, J.M.-Y. & Baskaran, V. M., Dec 2022, In: IEEE Transactions on Intelligent Transportation Systems. 23, 12 , p. 24020-24030 11 p.

Covert communication in multi-hop UAV network
Mallikarachchi, D., Wong, K. & Lim, J.M.-Y., 1 Apr 2022, In: Ad Hoc Networks. 128, 8 p., 102788.

The influence of shifting the electric bus charging routine on the techno-economic performance of a solar-powered bus depot
Mominul Islam, S. M., Salema, A. A., Saleheen, M. Z. & Lim, J. M. Y., 15 Jan 2022, In: Energy. 239, Part D, 18 p., 122316.

Machine learning methods for multi-UAV network throughput prediction
Lau, W. J., Lim, J. M. Y., Chong, C. Y., Shen, H. N. & Min Ooi, T. W., 2022, *Proceedings - 2022 International Conference on Computer and Drone Applications, IConDA 2022.* Piscataway NJ USA: IEEE, Institute of Electrical and Electronics Engineers, p. 107-112 6 p.

A novel adaptive virtual inertia control strategy under varying irradiance and temperature in grid-connected solar power system
Yap, K. Y., Lim, J. M. Y. & Sarimuthu, C. R., Nov 2021, In: International Journal of Electrical Power and Energy Systems. 132, 16 p., 107180.

MOD3D-PAT - A novel modified 3rd degree polynomial approximation for modelling traffic congestion in urban areas
Chan, R. K. C., Lim, J. M. Y. & Parthiban, R., 7 Oct 2021, *2021 International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME 2021).* Akbarzadeh, R., Andriukaitis, D. & Metin, B. (eds.). Piscataway NJ USA: IEEE, Institute of Electrical and Electronics Engineers, p. 1401-1406 6 p.

Performance analysis of NOMA in vehicular communications over i.n.i.d nakagami-m fading channels
Patel, D. K., Shah, H., Ding, Z., Guan, Y. L., Sun, S., Chang, Y. C. & Lim, J. M. Y., Oct 2021, In: IEEE Transactions on Wireless Communications. 20, 10, p. 6254-6268 15 p.

Appearance-based passenger counting in cluttered scenes with lateral movement compensation
Sutopo, R., Lim, J. M. Y., Baskaran, V. M., Wong, K. S., Tistarelli, M. & Liau, H. F., Aug 2021, In: Neural Computing and Applications. 33, 16, p. 9891-9912 22 p.

A neural network approach for traffic prediction and routing with missing data imputation for intelligent transportation system
Chan, R. K. C., Lim, J. M. Y. & Parthiban, R., 1 Jun 2021, In: Expert Systems with Applications. 171, 14 p., 114573.

Reusability affecting factors and software metrics for reusability: a systematic literature review
Mehboob, B., Chong, C. Y., Lee, S. P. & Lim, J. M. Y., Jun 2021, In: Software - Practice and Experience. 51, 6, p. 1416-1458 43 p.

An adaptive synchronverter for ensuring fault ride through capability of grid-connected solar power system
Yap, K. Y., Sarimuthu, C. R. & Lim, J. M. Y., 4 Mar 2021, *2020 International Symposium on Automation, Information and Computing, ISAIC 2020.* Wen, S. (ed.). 1 ed. Bristol UK: IOP Publishing, Vol. 1828. 8 p. 012054. (Journal of Physics: Conference Series).

Innovative lane detection method to increase the accuracy of lane departure warning system
Teo, T. Y., Sutopo, R., Lim, J. M. Y. & Wong, K. S., Jan 2021, In: Multimedia Tools and Applications. 80, 2, p. 2063-2080 18 p.

Deep multi-level feature pyramids: application for non-canonical firearm detection in video surveillance
Lim, J. Y., Al Jobayer, M. I., Baskaran, V. M., Lim, J. M. Y., See, J. & Wong, K. S., 2021, In: Engineering Applications of Artificial Intelligence. 97, 18 p., 104094.

Distributed spectrum sensing for cognitive vehicular networks using quasi-newton optimization
Kavaiya, S., Patel, D. K., Guan, Y. L., Sun, S., Chang, Y. C. & Lim, J. M. Y., 2021, *2021 International Conference on COMmunication Systems & NETworkS (COMSNETS 2021).* Balasubramanian, A., Jagannathan, K. & Kanhere, S. (eds.). Piscataway NJ USA: IEEE, Institute of Electrical and Electronics Engineers, p. 212-215 4 p.

Artificial intelligence based MPPT techniques for solar power system: A review
Yap, K. Y., Sarimuthu, C. R. & Lim, J.M.-Y., Nov 2020, In: Journal of Modern Power Systems and Clean Energy. 8, 6, p. 1043-1059 17 p.

Harvesting heat energy as alternative renewable energy
Chan, M. K., Lim, J. M. Y. & Kumaran, P., Sept 2020, In: International Journal of Emerging Trends in Engineering Research. 8, 9, p. 5966-5970 5 p.

On the energy detection performance of multi-antenna correlated receiver for vehicular communication using MGF approach
Kavaiya, S., Patel, D. K., Guan, Y. L., Sun, S., Chang, Y. C. & Lim, J. M. Y., 28 Jul 2020, In: IET Communications. 14, 12, p. 1858-1868 11 p.

Design and sizing of solar PV plant for an electric bus depot in Malaysia
Islam, S. M. M., Salema, A. A. & Lim, J. M. Y., 25 Mar 2020, *The 6th International Conference on Renewable Energy Technologies (ICRET 2020).* Kim, H. J. (ed.). Les Ulis France: EDP Sciences, Vol. 160. 4 p. 02003. (E3S Web of Conferences).

Cognitive intelligence with adaptive MAC Vehicular Ad-Hoc Network optimization
Lim, J. M. Y., Chang, Y. C. & Patel, D. K., 2020, *2020 International Conference on Artificial Intelligence in Information and Communication, ICAIIC 2020.* Hoon Lee, J. & Park, S. (eds.). Piscataway NJ USA: IEEE, Institute of Electrical and Electronics Engineers, p. 98-102 5 p.

Grid integration of solar photovoltaic system using machine learning-based virtual inertia synthetization in synchronverter
Yap, K. Y., Sarimuthu, C. R. & Lim, J. M. Y., 2020, In: IEEE Access. 8, p. 49961-49976 16 p.

Impacts of non-recurrent events on pheromone-based green transportation system
Soon, K. L., Lim, J. M. Y. & Parthiban, R., 2020, In: IEEE Access. 8, p. 8876-8885 10 p.

On physical layer security over *α-η-κ-μ* fading for relay based vehicular networks
Kavaiya, S., Patel, D. K., Guan, Y. L., Sun, S., Chang, Y. C. & Lim, J. M. Y., 2020, *2020 International Conference on Signal Processing and Communications (SPCOM 2020).* Kumar Ghosh, P., Jagannathan, K. & Karamchandani, N. (eds.). Piscataway NJ USA: IEEE, Institute of Electrical and Electronics Engineers, p. 235-239 5 p. (SPCOM 2020 - International Conference on Signal Processing and Communications).

Performance analysis of arbitrary correlated multiantenna receiver for mobile cognitive user
Patel, D. K., Soni, B., Guan, Y. L., Sun, S., Chang, Y. C. & Lim, J. M. Y., 2020, *2020 IEEE Global Communications Conference (GLOBECOM), Proceedings.* Lin, S. & Liu, C. (eds.). Piscataway NJ USA: IEEE, Institute of Electrical and Electronics Engineers, p. 782-787 6 p.

Performance analysis of NOMA aided cooperative relaying over *α-η-κ-μ* fading channels
Soni, B., Patel, D. K., Guan, Y. L., Sun, S., Chang, Y. C. & Lim, J. M. Y., 2020, *26th National Conference on Communications, NCC 2020.* Sahoo, B. (ed.). Piscataway NJ USA: IEEE, Institute of Electrical and Electronics Engineers , p. 554-559 6 p.

Virtual inertia-based inverters for mitigating frequency instability in grid-connected renewable energy system: a review
Yap, K. Y., Sarimuthu, C. R. & Lim, J.M.-Y., 2 Dec 2019, In: Applied Sciences. 9, 24, 29 p., 5300.

An improved pheromone-based vehicle rerouting system to reduce traffic congestion
Ho, M. C., Lim, J. M. Y., Soon, K. L. & Chong, C. Y., Nov 2019, In: Applied Soft Computing. 84, 13 p., 105702.

Identifying transmission opportunity through transmission power and bit rate for improved VANET efficiency
Wei, L. J. & Lim, J. M. Y., Oct 2019, In: Mobile Networks and Applications. 24, 5, p. 1630-1638 9 p.

Coordinated traffic light control in cooperative green vehicle routing for pheromone-based multi-agent systems
Soon, K. L., Lim, J. M. Y. & Parthiban, R., Aug 2019, In: Applied Soft Computing. 81, 16 p., 105486.

On the energy detection performance of arbitrarily correlated dual antenna receiver for vehicular communication
Kavaiya, S., Patel, D. K., Guan, Y. L., Sun, S., Chang, Y. C. & Lim, J. M. Y., Jul 2019, In: IEEE Communications Letters. 23, 7, p. 1186-1189 4 p.

Extended pheromone-based short-term traffic forecasting models for vehicular systems
Soon, K. L., Lim, J. M. Y. & Parthiban, R., Jun 2019, In: Engineering Applications of Artificial Intelligence. 82, p. 60-75 16 p.

Proactive eco-friendly pheromone-based green vehicle routing for multi-agent systems
Soon, K. L., Lim, J. M. Y., Parthiban, R. & Ho, M. C., 1 May 2019, In: Expert Systems with Applications. 121, p. 324-337 14 p.

Mobility-based clustering algorithm for multimedia broadcasting over IEEE 802.11P-LTE-enabled VANET
Syfullah, M., Lim, J. M. Y. & Siaw, F. L., 31 Mar 2019, In: KSII Transactions on Internet and Information Systems. 13, 3, p. 1213-1237 25 p.

Computational intelligence-based real-time lane departure warning system using Gabor features
Sutopo, R., Yau, T. T., Lim, J. M. Y. & Wong, K., 2019, *2019 Asia-Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA ASC 2019).* Kawahara, T. & Yi, J. (eds.). Piscataway NJ USA: IEEE, Institute of Electrical and Electronics Engineers, p. 1989-1992 4 p.

Gun detection in surveillance videos using deep neural networks
Lim, J., Al Jobayer, M. I., Baskaran, V. M., Lim, J. M., Wong, K. & See, J., 2019, *2019 Asia-Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA ASC 2019).* Kawahara, T. & Yi, J. (eds.). Piscataway NJ USA: IEEE, Institute of Electrical and Electronics Engineers, p. 1998-2002 5 p. (2019 Asia-Pacific Signal and Information Processing Association Annual Summit and Conference, APSIPA ASC 2019).

On the joint impact of SU mobility and PU activity in Cognitive Vehicular Networks with Improved Energy Detection
Thakkar, O., Patel, D. K., Guan, Y. L., Sun, S., Chang, Y. C. & Lim, J. M. Y., 2019, *2019 IEEE 89th Vehicular Technology Conference (VTC Spring), Proceedings.* Ismail, M. & Irvine, J. (eds.). Piscataway NJ USA: IEEE, Institute of Electrical and Electronics Engineers, p. 1213-1218 6 p. (IEEE Vehicular Technology Conference; vol. 2019-April).

Data broadcasting on Cloud-VANET for IEEE 802.11p and LTE hybrid VANET architectures
Syfullah, M. & Lim, J. M. Y., 2017, *3rd IEEE International Conference on "Computational Intelligence and Communication Technology", CICT 2017.* Mittal, Y., Upadhayay, H., Kundra, P., Kr. Yadav, V., Goyal, A., Singh, P., Aeron, A., Goel, A., Chauhan, N. & Yadav, A. (eds.). Piscataway NJ USA: IEEE, Institute of Electrical and Electronics Engineers, p. 335-340 6 p.

Cognitive radio network in vehicular ad hoc network (VANET): a survey
Lim, J.M.-Y., Chang, Y. C., Alias, M. Y. & Loo, J., 20 Jun 2016, In: Cogent Engineering. 3, 1, 1191114.

Joint optimization and threshold structure dynamic programming with enhanced priority scheme for adaptive VANET MAC
Lim, J. M. Y., Chang, Y. C., Alias, M. Y. & Loo, J., Apr 2016, In: Wireless Networks. 22, 3, p. 897-913 17 p.

A novel manufacturing process to fabricate double-layer membranes
Mieowkee, C., Raoo, P., Eu, Y. K. & Lim, J. M. Y., 2016, In: Materials and Manufacturing Processes. 31, 15, p. 1941-1947 7 p.

Improving VANET performance with heuristic and adaptive fuzzy logic scheme
Lim, J. M. Y., Chang, Y. C., Loo, J. & Alias, M. Y., 29 Aug 2015, In: Wireless Personal Communications. 83, 3, p. 1779-1800 22 p.

Performance modelling of adaptive vanet with enhanced priority scheme
Lim, J. M. Y., Chang, Y. C., Alias, M. Y. & Loo, J., 2015, In: KSII Transactions on Internet and Information Systems. 9, 4, p. 1337-1358 22 p.

Cognitive VANET with enhanced priority scheme
Lim, J. M. Y., Chang, Y. C., Alias, M. Y. & Loo, J., 7 Oct 2014, *2014 International Conference on Telecommunications and Multimedia, TEMU 2014.* IEEE, Institute of Electrical and Electronics Engineers, p. 116-121 6 p.

Handover trigger based on frame retransmission trend in mobile IPv6
Lim, J. M. Y., Chow, C. O. & Ishii, H., May 2013, In: Wireless Personal Communications. 70, 1, p. 41-56 16 p.

Activities

Governing (with) AI: Opportunities and Concerns for AI in Malaysia's Public Sector (II)
Bächtold, S. (Organiser), Lim, J. (Organiser), Kananatu, T. (Organiser) & Karim, R. (Organiser)
11 May 2026

Governing (with) AI: Opportunities and Concerns for AI in Malaysia's Public Sector (I)
Bächtold, S. (Organiser), Lim, J. (Organiser), Kananatu, T. (Organiser) & Karim, R. (Organiser)
23 Jan 2026

External Examiner for SEGi University
Lim, J. (Fellow)
2023 → 2025

Transportation Safety and Environment (Journal)
Lim, J. (Editor in chief)
2022 → …

EAC Panel
Lim, J. (Fellow)
6 Sept 2021

Prizes

2020 PVC Award for Excellence in Research
Lim, J. (Recipient), 2020

2023 Dean's Award for Industry and Community Education Programs
Lim, J. (Recipient), 2023

2023 PVC Award for Industry and Community Education Programs
Lim, J. (Recipient), 2023

2023 School of Engineering Award for Excellence in Education (Early Career Education Award)
Lim, J. (Recipient), 2023

Faculty of Engineering Dean's Award for Excellence in Research by an Early Career Researcher 2021, International
Lim, J. (Recipient), 2021

Innovate Malaysia Design Competition, IMDC
Lim, J. (Recipient), 2020

ITEX 2020 - Gold Award - DroGatLight
Lim, J. (Recipient), 2020

ITEX 2023 Silver award, DroneHub DHub
Lim, J. (Recipient), 2023

School of Engineering Award for Excellence in Research 2019
Lim, J. (Recipient), 2020

Projects

A Big Data Analytics Approach for Identifying Reuse-Proneness of Object-Oriented Classes in Source Code Management Systems
Chun Yong, C. (Primary Chief Investigator (PCI)), Lee, S. P. (Chief Investigator (CI)), Lim, J. (Chief Investigator (CI)) & Ho, P. W. C. (Chief Investigator (CI))
1/01/19 → 30/09/21

Adaptive Large Language Model Architectures for Automated Process Optimization
Lim, J. (Primary Chief Investigator (PCI)) & Chee Pin, T. (Chief Investigator (CI))
1/10/26 → 1/04/30

A Framework for AI-Integrated Adaptive Matrix Beam Illumination
Vineetha, V. (Primary Chief Investigator (PCI)), Khong, Y. J. (Chief Investigator (CI)), Ho, P. W. C. (Chief Investigator (CI)) & Lim, J. (Chief Investigator (CI))
1/05/26 → 31/10/30

Agriculture 4.0 - Investigation on Fusing Digital Twins and Deep Learning for improving Agricultural Yield and Autonomy
Juman, M. A. (Primary Chief Investigator (PCI)), Ragavan, V. (Chief Investigator (CI)), Ta Yeong, W. (Chief Investigator (CI)), Lim, J. (Chief Investigator (CI)), Hazliza, N. (Chief Investigator (CI)) & Gobithaasan, R. U. (Chief Investigator (CI))
1/10/23 → 31/03/26

Artificial Intelligence and Natural Language Processing for Document Intelligence
Lim, J. (Primary Chief Investigator (PCI)) & Chee Pin, T. (Associate Investigator (AI))
2/03/26 → 1/09/29

Efficient Agriculture through Innovative Artificial Intelligence Drone Technology
Lim, J. (Primary Chief Investigator (PCI)), Teh, P.-L. (Chief Investigator (CI)) & Parthiban, R. (Chief Investigator (CI))
1/04/25 → 30/09/28

Intelligent Retail System using Artificial Intelligence and Computer Vision
Lim, J. (Primary Chief Investigator (PCI))
1/09/25 → 28/02/29

Internet of Things and Artificial Intelligence Based Predictive Maintenance System
Lim, J. (Primary Chief Investigator (PCI)) & Chee Pin, T. (Chief Investigator (CI))
1/03/25 → 30/09/28

Investigation into Traffic Mobility in Malaysia for Intelligent Transportation System
Lim, J. (Primary Chief Investigator (PCI)), Parthiban, R. (Chief Investigator (CI)), Susilawati, S. (Chief Investigator (CI)), Monn, V. (Chief Investigator (CI)), Chun Yong, C. (Chief Investigator (CI)) & Ho, P. W. C. (Chief Investigator (CI))
1/09/19 → 31/05/23

Multimodal Travel Routing Algorithm Enhancement
Lim, J. (Primary Chief Investigator (PCI)) & Parthiban, R. (Associate Investigator (AI))
1/07/24 → 31/12/27

Novel Analytics for Real-time Snatch Theft Classification in a Multifarious Setting
Monn, V. (Primary Chief Investigator (PCI)), See, J. S. Y. (Chief Investigator (CI)), Wong, K. S. (Chief Investigator (CI)), binti Ahmad, N. N. (Chief Investigator (CI)) & Lim, J. (Chief Investigator (CI))
1/01/19 → 30/09/22

Reliable Communication Architecture for Navigation and Guidance of Interconnected Aerial Vehicles
Lim, J. (Primary Chief Investigator (PCI)), Boon Leong, L. (Chief Investigator (CI)), Ho, P. W. C. (Chief Investigator (CI)), Chun Yong, C. (Chief Investigator (CI)), Yazid Yahaya, S. (Chief Investigator (CI)) & Ho, N. S. (Chief Investigator (CI))
1/01/21 → 21/07/24

Smart Drone Trash Monitoring System
Lim, J. (Primary Chief Investigator (PCI)) & Chee Pin, T. (Chief Investigator (CI))
1/12/23 → 1/03/29

Smart Edge Computing Vision Solution using Artificial Intelligence
Lim, J. (Primary Chief Investigator (PCI)) & Vineetha, V. (Chief Investigator (CI))
1/03/25 → 31/08/28

Smart Sustainable Inventory Management with Drone
Lim, J. (Primary Chief Investigator (PCI)) & Liang, S.-N. (Chief Investigator (CI))
1/10/24 → 31/03/28

Sustainable Crop Management through Intelligent Drone Automation
Lim, J. (Primary Chief Investigator (PCI)), Teh, P.-L. (Chief Investigator (CI)) & Parthiban, R. (Chief Investigator (CI))
12/04/26 → 1/11/28

Press/Media

ASAP Mobility collaborates with Monash University Malaysia to develop solutions for failures in a fully operational railway system
Lim, J.
8/11/21
1 Media contribution

Asia Mobiliti and Monash University Malaysia collaborate in R&D of intelligent sensing technologies for vehicle detection and monitoring

Lim, J.

25/02/21

1 item of Media coverage