
Curriculum Vitae

Name: Kee Keh Kim

List of Research:

Internal Grant

1. Smart Home Initiative (Research Id: 2/2020/08)
2. Predictive Model Development for Energy Performance of Hotel Building in Kuching, Sarawak (Research Id : 4/2019/06)
3. Predictive Modeling of CO2 emission based on electricity consumption Leader (Research Id: 4/2019/17)
4. Design and development of the model of Cyber Physical System (CPS) to support the application of IoT in Smart City (Research Id : 3/2018/13)

List of Publications:

1. Keh-Kim Kee, Yun Seng Lim, Jianhui Wong & Kein Huat Chua, "Impact of Nonintrusive Load Monitoring on CO2 Emissions in Malaysia", Bulletin of Electrical Engineering and Informatics (BEEI), e-ISSN: 2672-7439, Volume 10, Issue-4, August 2021. DOI: [10.11591/eei.v10i4.2979](https://doi.org/10.11591/eei.v10i4.2979)
2. Kee Keh Kim, Simon Lau Boung Yew, Mohamad Hafizan Affandi, "An Energy-efficient Smart Street Lighting System with Adaptive Control based on Environment", Borneo Journal of Sciences and Technology, e-ISSN: 2672-7439, Volume 2, Issue-1, 31 January 2020, pp 48-57. DOI: [10.35370/bjost.2020.2.1-09](https://doi.org/10.35370/bjost.2020.2.1-09)
3. Keh-Kim Kee, Yun Seng Lim, Jianhui Wong & Kein Huat Chua, "Cloud-based Non-intrusive Load Monitoring System (NILM)", International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249 – 8958, Volume-8, Issue-6S3, September 2019, pp 125-131. DOI:

10.35940/ijeat.F1021.0986S319

4. Raghavan S., Simon B.Y.L., Lee Y.L., Tan W.L., Kee K.K. (2020) Data Integration for Smart Cities: Opportunities and Challenges. In: Alfred R., Lim Y., Havaluddin H., On C. (eds) Computational Science and Technology. Lecture Notes in Electrical Engineering, vol 603. Pages 393-403, Springer, Singapore
5. Keh-Kim Kee, Yun Seng Lim, Jianhui Wong & Kein Huat Chua, "Non-Intrusive Load Monitoring (NILM) – A Recent Review with Cloud Computing", The 2019 IEEE 6th International Conference on Smart Instrumentation, Measurement and Applications (ICSIMA 2019), 27-29 August 2019, Kuala Lumpur, Malaysia 2019. DOI: [10.1109/ICSIMA47653.2019.9057316](https://doi.org/10.1109/ICSIMA47653.2019.9057316)
6. Keh-Kim Kee, Yun Seng Lim, Jianhui Wong & Kein Huat Chua, "Cloud-based Non-intrusive Load Monitoring System (NILM)", 8th International Conference on Computer Science and Computational Mathematics 2019, Pulau Langkawi, Malaysia 2019.
7. Keh-Kim Kee, Angelo Emanuel Robin, William K.S Pao, "Design and Development of Fanger Model and Fuzzy Logic Based Controller for Air Conditioners", Jurnal e-Bangi, Vol 16, No 3 (2019): Special Issues: Social Science and Technology Studies in Malaysia.
8. Kee K.K. & Simon Lau, "Cloud-Based IoT Solution for Predictive Modeling of Ship Fuel Consumption", International Conference on Fourth Generation Industrial Revolution 2019 (ICSCA 2019), 19 - 22 FEBRUARY, 2019, Penang, Malaysia. DOI:[10.1145/3316615.3316710](https://doi.org/10.1145/3316615.3316710)
9. Kee K.K., Simon Lau & Renco Yong, "Prediction of Ship Fuel Consumption and Speed Curve by Using Statistical Method", Journal of Computer Science & Computational Mathematics, Volume 8, Issue 1, March 2018. DOI: [10.20967/jcscm.2018.02.002](https://doi.org/10.20967/jcscm.2018.02.002)
10. Keh Kim Kee, Boun-Yew Lau Simon, and Sie-Mui Wong Peter, "A Holistic Approach for Energy Efficiency at a GBI-Platinum Rated Malaysian University Campus", Adv. Sci. Lett. 24, 8753–8758 (2018). DOI: [10.1166/asl.2018.12339](https://doi.org/10.1166/asl.2018.12339)
11. Kee K.K., Simon Lau & Renco Yong, "Artificial Neural Network Back-propagation Based Decision Support System for Ship Fuel Consumption

Prediction”, 5th IET International Conference on Clean Energy and Technology (CEAT) 2018, Kuala Lumpur, Malaysia 2018. DOI: [10.1049/cp.2018.1306](https://doi.org/10.1049/cp.2018.1306)

12. Kee K.K., Simon Lau & Renco Yong, “Prediction of Ship Fuel Consumption and Speed Curve by Using Statistical Method”, 7th International Conference on Computer Science and Computational Mathematics 2018, Pulau Langkawi, Malaysia 2018
13. Kee K.K., Simon Lau & Peter Wong, “A Holistic Approach for Energy Efficiency at a GBI-Platinum Rated Malaysian University Campus”, 4th Renewable Energy and Green Technology International Conference (REEGETECH), Melaka, Malaysia 2017.

List of Awards:

21-23 February 2019	Malaysia Technology Expo (MTE 2019), Kuala Lumpur, Malaysia Bronze Medal Winner - "E-Agro IoT-based System (E-AgroIS)"
9 – 11 August 2018	Sarawak Invention & Innovation of Technology Exhibition and Competition 2018 (SAINTEX'18), Sibul, Sarawak, Malaysia Gold Medal Winner – "E-Agro IoT-based System (E-AgroIS)" Project Recipient of RM5,000 Cash Prize and gold medal.