



LEONG KAH MENG
LECTURER
FACULTY OF ENGINEERING AND INFORMATION
TECHNOLOGY
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1. Academic Qualification

No.	QUALIFICATION	FIELD OF SPECILIZATION	NAME OF AWARDING INSITUTION & COUNTRY	START DATE – END DATE
1.	Ph.D	Wireless Power Transmission	Universiti Teknologi Malaysia (UTM)	2017-present
2.	M. Eng	Wireless Power Transmission	Universiti Teknologi Malaysia (UTM)	2013-2017
3.	B. Eng	Electrical and Electronics	Universiti Teknologi Malaysia (UTM)	2009-2013

2. PREVIOUS EMPLOYMENT RECORD

No.	START DATE – END DATE	POSITION	JOB NATURE	EMPLOYER / COMPANY
1.	Nov 2018 - Nov 2019	Electronic Engineer	Research	Mindmatics Resources Sdn. Bhd. Industrial-UTM
2.	Feb 2014 – Sep 2020	Research Assistant	Research	Universiti Teknologi Malaysia (UTM)
3.	Jun 2012 – Aug 2012	Trainee	Electronic Engineering	HPH Technologies
4.				



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3. PROFESSIONAL QUALIFICATION / MEMBERSHIP (NATIONAL / INTERNATIONAL)

No.	TYPE OF QUALIFICATIONS / MEMBERSHIP	GOVERNED BY WHICH BODY / COMPANY / ASSOCIATION / OTHERS	AWARDED YEAR / MEMBERSHIP DURATION
1.	Graduate Engineer	Board of Engineers Malaysia	2014 - present

4. RECOGNITION AWARD (NATIONAL / INTERNATIONAL)

No.	TYPE OF AWARD RECEIVED	RECEIVED FROM WHICH BODY / COMPANY / ASSOCIATION / OTHERS	RECEIVED YEAR
1.			
2.			
3.			

5. CONSULTANCY SERVICES / COMMUNITY SERVICES

No.	ORGANIZATION / EVENT / PROJECT	DATE / DURATION	VENUE / COMPANY	ROLE / POSITION
1.				
2.				
3.				

6. CONFERENCES AND TRAININGS

No.	TITLE OF THE CONFERENCES / TRAINING	DATE	TRAINING VENUE	ORGANIZE BY SPEAKER / TRAINER
1.				
2.				



7. RESEARCH AND PUBLICATION

RESEARCH / PUBLICATION / JOURNALS / BOOKS / OTHER

JOURNALS

1. Joyce Sin Yin Sia, Tian Swee Tan, Matthias Foh Thye Tiong, Kah Meng Leong, Kelvin Chia Hiik Ling, Sameen Ahmed Malik, and Jeremy Yik Xian Sia. "K-means clustering in knee cartilage classification: Data from the OAI." *Indonesian Journal of Electrical Engineering and Informatics (IJEEI)* 8, no. 2 (2020): 320-330.
2. Joyce Yin Sin Sia, Tan Tian Swee, Azli Bin Yahya, Matthias Tiong Foh Thye, Kelvin Ling Chia Hiik, Leong Kah Meng, Tan Jia Hou et al. "Prominent Region of Interest Contrast Enhancement for Knee MR Images: Data from the OAI." *Jurnal Kejuruteraan* 32, no. 3 (2020): 145-155.
3. Malik, Sameen Ahmed, Tan Tian Swee, Nik Ahmad Nizam Nik Malek, Azli Yahya, Takahiro Emoto, Masatake Akutagawa, Leong Kah Meng et al. "Effectiveness of visible and ultraviolet light emitting diodes for inactivation of Staphylococcus aureus, Pseudomonas aeruginosa, and Escherichia coli: A comparative study." *Malaysian Journal of Fundamental and Applied Sciences* 15, no. 4 (2019): 572-576.
4. Meng, Leong Kah, Tan Tian Swee, Sameen Ahmed Malik, Tan Jia Hou, Tengku Ahmad, Iskandar Tengku Alang, and Lum Kin Yun. "Contactless power transfer system for low power medical devices." *Malaysian Journal of Fundamental and Applied Sciences* 13 (2017): 438-444.
5. Tan, Jia Hou, Tian Swee Tan, Mohammed Rafiq Abdul-Kadir, Arman Zaharil Mat Saad, Chong Keat Teoh, Jose Javier Serrano Olmedo, Kin Yun Lum, Kah Meng Leong, Tengku Ahmad Iskandar Tengku Alang, and Sameen Ahmed Malik. "Incorporating fuzzy logic into an adaptive negative pressure wound therapy device." *Journal of Telecommunication, Electronic and Computer Engineering (JTEC)* 9, no. 4 (2017): 85-89.
6. Malik, Sameen Ahmed, Tan Tian Swee, N. A. N. N. Malek, Mohammed Rafiq Abdul Kadir, Takahiro Emoto, Masatake Akutagawa, Leong Kah Meng, Tan Jia Hou, and T. A. I. T. Alang. "Comparison of standard light-emitting diode (LED) and 385 nm ultraviolet A LED (UVA-LED) for disinfection of Escherichia coli." *Mal. J. Fund. Appl. Sci* (2007): 430-437.
7. Alang, Tengku Ahmad Iskandar Tengku, Tan Tian Swee, Tan Jia Hou, Leong Kah Meng, Sameen Ahmed Malik, Muhammad Amir Asari, Adil Hussein, Azhany Yaakub, Hum Yan Chai, and Juhara Haron. "Global Canny algorithm based on Canny edge detector framework in magnetic resonance imaging." *Malaysian Journal of Fundamental and Applied Sciences* 13, no. 4-2 (2017): 445-451.
8. KahMeng, Leong, Lum Kin Yun, Tan TianSwee, Ahmad Zahran Md Khudzari, and Suhaini Bin Kadiman. "Wireless Power Transfer System for Biomedical Devices by using Magnetic Resonance Coupling Technique." *Research Journal of Applied Sciences, Engineering and Technology* 12, no. 8 (2016): 823-827.
9. Tan, Tian-Swee, Kee-Gang Ng, Kasim Johari, Kah-Meng Leong, Zaharil Arman, and Chong-Keat Teoh. "Low Cost Negative Pressure Wound Healing Device System." *Research Journal of Applied Sciences, Engineering and Technology* 14, no. 2 (2017): 56-60.
10. Meng, Leong Kah, Tan Tian Swee, Lum Kin Yun, and Johari Kassim. "Wireless energy transfer using microstrip antenna." *American Journal of Applied Sciences* 11, no. 2 (2014): 195-201.



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CONFERENCES

Authors	Title	Place of publication	Year
Leong Kah Meng, Tan Tian Swee, You Kok Yeow, Matthias Tiong Foh Thye, Joyce Sia Sin Yin, Sameen Ahmed Malik, Jahanzeb Sheikh, Kelvin Chia Hiik Ling	Innovative Transformer-Based Wireless Power Transfer System For Low Power Medical Device Application	International Conference on Biosciences and Medical Engineering (ICBME) 2021.	2021
Kelvin Chia Hiik Ling, Tan Tian Swee, Yan Chai Hum, Wan Hazabbah Wan Hitam, Tan Jia Hou, Leong Kah Meng, Joyce Sin Yin Sia, Matthias Tiong Foh Thye, Sameen Ahmed Malik, Sinan S. Mohammed Sheet, Roy Eduardo Aquilar Leon	Enhanced Detection of Retinal Blood Vessels by Integrating DSI-BBCCE into Tyler Coye Algorithm	International Conference on Biosciences and Medical Engineering (ICBME) 2021.	2021
Leong Kah Meng, Tan Tian Swee, You Kok Yeow, Matthias Tiong Foh Thye, Joyce Sia Sin Yin, Sameen Ahmed Malik	Wireless Power Transfer System Simulation With Lumped Elements Matching For Possible Bid Applications	8th International Graduate Conference on Engineering Science & Humanity 2020 (IGCESH 2020)	2020
Leong Kah Meng, Tan Tian Swee	Two Coils Wireless Power Transfer System Impedance Matching Modeling Analysis	7th International Graduate Conference on Engineering Science & Humanity 2018 (IGCESH 2018)	2018
Tan Tian Swee, Leong Kah Meng, Sameen Ahmed Malik, Tan Jia Hou, Tengku Ahmad Iskandar Tengku Alang, Lum Kin Yun	Contactless Power Transfer System For Low Power Medical Devices	International Medical Device and Technology Conference 2017	2017
Sameen Ahmed Malik, Tan Tian Swee, Nik Ahmad Nizam Nik Malek, Mohammed Rafiq Abdul Kadir, Takahiro Emoto, Masatake Akutagawa, Leong Kah Meng, Tan Jia Hou, Tengku Ahmad Iskandar Tengku Alang	Comparison Of Standard Light-Emitting Diode (LED) And 385 Nm Ultraviolet A LED (UVA-LED) For Disinfection Of Escherichia Coli	International Medical Device and Technology Conference 2017	2017
Tengku Ahmad Iskandar Tengku Alang, Tan Tian Swee, Tan Jia Hou, Leong Kah Meng, Sameen Ahmed Malik, Muhammad Amir Asari, Adil Hussein, Azhany Yaakub, Hum Yan Chai, Juhara Haron	Global Canny Algorithm Based On Canny Edge Detector Framework In Magnetic Resonance Imaging	International Medical Device and Technology Conference 2017	2017
Tan Tian Swee and Yii Yik Wei and Lum Kin Yun and Leong Kah Meng and Sarah Samson Soh and M. N. bin Mazenan	Hybrid battery for rapid charging of biomedical application	The 7th 2014 Biomedical Engineering International Conference	2014

BOOKS

- 2019 – Editor – Biomedical Research and Application Volume II
- 2017 - Editor – Biomedical Research and Application Volume I

Awards

1. 2018 – Silver medal - International Invention, Innovation and Design (IIID) Johor 2018
2. 2018 – Bronze medal - International Invention, Innovation and Design (IIID) Johor 2018
3. 2018 – Best Presenter (session 5)- IGCESH 2018
4. 2017 - Gold medal – International Invention, Innovation and Design (IIID) Johor 2017



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8. TEACHING EXPERIENCE

Degree

No.	Subject	FACULTY	START DATE – END DATE
1.	BAES 4083 Engineering Statistics	FEIT	2021 SEM B
2.	BAEM 1003 Engineering Mathematics I	FEIT	2020 SEM C

Diploma

No.	Subject	FACULTY	START DATE – END DATE
1.	ELEG1183 Electric Circuit II	FEIT	2021 SEM C
2.	MATH1194 Calculus I	FEIT	2021 SEM C
3.	ELEG 2144 Electronics II	FEIT	2021 SEM B
4.	ELEG 2273 Software Application and Simulation	FEIT	2021 SEM A
5.	ELEG 1083 Electric Circuit I	FEIT	2020 SEM C

9. OTHER ADDITIONAL ADMINISTRATIVE RESPONSIBILITIES

No.	POSITION (APPOINTMENT)	FACULTY / DIVISION / DEPARTMENT	START DATE – END DATE
1.			
2.			

10. OTHER RELEVANT INFORMATION