Curriculum Vitae

Name: Dr. Yong Ching Yee

List of Research:

Internal Grant

1. A Prototype: Distribution Board with SCADA and IoT (4/2020/10)

2. Wireless Power Transfer Charging Plate (3/2019/07)

External Grant

List of Consultancy:

List of Publications:

JOURNAL

1. Yong, C. Y. & Iderus, S. (2021). A Proposed Comprehensive Novel Model (CN-Model): To Drive Continuous Quality Improvement (CQI) on Engineering Programme in Institution of Higher Learning. *Materials Science and Engineering*. In press.

2. Yong, C. Y. & Terence Sia, T. L. (2021). I Want to Control Your Move: Human- Human Interface (HHI) Neuromuscular Electrical Stimulator (NMES). *Frontiers in Artificial Intelligence and Applications*. In press.

3. Yong, C. Y., Sudirman, R. & Chew, K. M. (2020). Gait Processing and Analysis using Angular Velocity and Leaping Angle Parameters. *TEST Engineering & Management*, *82*(2020), 11883-11888.

4. Yong, C. Y., Chew, K. M., & Sudirman, R., (2018). Human Wrist Motion Classification using Decision Tree and Principle Component Analysis. *Materials Today, 16*(2019), 1750-1756.

5. Yong, C. Y., Chew, K. M., & Sudirman, R., (2018). Human Motion Analysis in Dark Surrounding Using Line Skeleton Scalable Model and Vector Angle Technique. *Materials Today*, *16*(2019), 1732-1741.

6. Yong, C. Y., Sudirman, R. & Chew, K. M. (2019). Gait Processing and Performance using Angular Velocity and Leaping Angle Parameters. *International Journal of Recent Technology and Engineering (IJRTE)*, *8*(2S2), 171-174.

7. Yong, C. Y., Sudirman, R. & Chew, K. M. (2018). Position and Shape Estimation using Double Integration of Acceleration. *E-Bangi*, *16*(3), 1-10.

CONFERENCE PROCEEDING

8. Yong, C. Y. & Iderus, S. (2021). A Proposed Comprehensive Novel Model (CN-Model): To Drive Continuous Quality Improvement (CQI) on Engineering Programme. *Institution of Higher. Regional Conference in Engineering Education (RCEE) & Research in Higher Education (RHEd)*. In press.

9. Yong, C. Y. & Iderus, S. (2021). EM-CQI: A Robust and Strategic CQI (Continuous Quality Improvement) Model for Engineering Programme Assessment. *3rd International Conference in Science Technology Engineering and Mathematics (ICSTEM 2021)* (pp. 45).

10. Yong, C. Y., Ab Hamid, K. & Chieng, J. H. (2021). Domestic Electrical Energy Monitoring and Alerting Using SCADA and IoT. 8th International Conference on Intelligent and Advanced System 2020 (ICIAS 2020). In press.

11. Chieng, J. H., Yong, C. Y. & Ab Hamid, K. (2021). Smart Electrical Switch Board V1.0. *Penang International Invention, Innovation and Design 2021 (PIID2021 E-Proceeding)* (pp. 353-358).

12. Jackie Ting, T. W., Ting, H. Y., Daniel Tan, W. Y. & Yong, C. Y. (2019). Kinect-Based Badminton Motion Analysis Using Intelligent Adaptive Range of Movement Index. *IOP Conference Series: Materials Science and Engineering* 495 (pp. 1-9).

13. Yong, C. Y. & Chen, K. F. (2019). Wireless Power Transfer Technology Using Resonant Technique. *IOP Conference Series: Earth and Environmental Science (EES)* 268 (pp. 1-6).

14. Chew, K. M., Yong, C. Y., Sudirman, R., & Syvester Tan, C. W. Human brain modeling tumor detection in 2D and 3D representation using microwave signal analysis. *2018 IEEE Symposium on Computer Applications & Industrial Electronics (ISCAIE)* (pp. 310-316). IEEE.

15. Chew, K. M., Yong, C. Y., Sudirman, R., & Syvester Tan, C. W. Bio-signal processing and 2D representation for brain tumor detection using microwave signal analysis. *2018 IEEE Symposium on Computer Applications & Industrial Electronics (ISCAIE)* (pp. 303-309). IEEE.

BOOK

16. Yong, C. Y. (2021). *Classification of Kinematic Data using Explainable Artificial Intelligence (XAI) for Smart Motion*. Taylor & Francis. DOI: 10.1201/9781003172772-10.

17. Kelvin Ting, S. W., Yong, C. Y., Ab Hamid, K., & Chieng, J. H. (2021). *An IoT Distribution Board*, Nurturing Creativity Through Research,

Technology and Social Innovation (NSIEx 2021). UiTM Cawangan Negeri Sembilan.

18. Phun, K. C., & Yong, C. Y. (2021). *A DIY Smart Mirror*, Nurturing Creativity Through Research, Technology and Social Innovation (NSIEx 2021). UiTM Cawangan Negeri Sembilan.

19. Yong, C. Y., Ab Hamid, K., & Chieng, J. H. (2021). *Smart Distribution Board Using SCADA*. The 5th International Innovation, Design and Articulation E-Book (i-IDeA 2020). UiTM Cawangan Perlis. ISBN: 9789671926918.

List of Awards:

1. Best Virtual Research Presentation at 2nd International Research Conference on Technology, Engineering, Culture and Society (IRConTECS 2021) (Bicol State College of Applied Sciences and Technology, Philippines) – 2021

2. Top 1 Research Infographics at 2nd International Research Conference on Technology, Engineering, Culture and Society (IRConTECS 2021) (Bicol State College of Applied Sciences and Technology, Philippines) – 2021

3. Gold Award - Negeri Sembilan International Exposition 2021 (NSIEx2021) (UiTM Cawangan Negeri Sembilan) – 2021

4. Gold Award - Negeri Sembilan International Exposition 2021 (NSIEx2021) (UiTM Cawangan Negeri Sembilan) – 2021

5. Gold Award - Virtual Innovation Competition (VIC 2021) (UiTM Kelantan Branch) – 2021

6. Silver Award - Virtual Innovation Competition (VIC 2021) (UiTM Kelantan Branch) – 2021

7. Silver Award - International Innovation ARSVOT Malaysia (IAM 2021) (Association for Researcher of Skills and Vocational Training (ARSVOT) Malaysia) – 2021

8. Bronze Award - 5th International Innovation, Design and Articulation (CROWN i-IDeA) (UiTM Cawangan Perlis) – 2021

9. Silver Award - Penang International Invention, Innovation and Design (PIID 2021) (UiTM Cawangan Pulau Pinang) – 2021

10. Silver Award - Global Virtual Student Invention, Innovation, Design, and Exhibition (GV-SiiDE 2020) (UiTM Cawangan Melaka) – 2020

11. Gold Award - Innovation & Technology Exposition 2019 (InTEX19) (Research Innovation & Enterprise Centre - UNIMAS) – 2019

12. Awards for Publication Excellence (i-Proclaim Annual Research Award) – 2017

13. Awards for Publication Citation (i-Proclaim Annual Research Award) – 2017