


## Curriculum Vitae for XMUM Official Website

|   |   |                        |
|---|---|------------------------|
|  | Name                                    | Goh Sim Kuan           |
|   | Current Position                        | Assistant Professor    |
|   | Administrative Position (if applicable) |                        |
|   | Room No.                                | NA                     |
|   | Programme                               | AIT                    |
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### BIOGRAPHY

Sim Kuan Goh obtained his B. Eng. and Ph.D. from the National University of Singapore in 2013 and 2019. His research focuses on computational intelligence, machine learning, deep learning, and brain-computer interface. He is currently an assistant professor at Xiamen University, Malaysia. Prior to joining Xiamen University Malaysia, he was a research fellow at the Air Traffic Management Research Institute, Nanyang Technological University.

### RESEARCH INTERESTS

Computational Intelligence, Machine/Deep Learning, Neuro-evolution, Neural Signal Processing, Brain-Computer Interface

### EDUCATIONAL BACKGROUND

- PhD (Computational Intelligence), Department of Electrical and Computer Engineering, Faculty of Engineering, National University of Singapore, Singapore (2019)
- B. Eng. (Electrical Engineering), Department of Electrical and Computer Engineering, Faculty of Engineering, National University of Singapore, Singapore (2013)

### WORKING EXPERIENCE

- Research Fellow, Air Traffic Management Research Institute, Nanyang Technological University (2019 to 2021).
- Graduate Teaching Assistant, Department of Electrical and Computer Engineering, Faculty of Engineering, National University of Singapore, Singapore (2013-2017)

### REPRESENTATIVE PUBLICATIONS

- Goh, S. K., Abbass, H. A., Tan, K. C., Al-Mamun, A., Guan, C., & Wang, C. C. (2016, July). Multiway analysis of EEG artifacts based on block term decomposition. In 2016 International Joint Conference on Neural Networks (IJCNN) (pp. 913-920). IEEE.
- Goh, S. K., Abbass, H. A., Tan, K. C., Al-Mamun, A., Wang, C., & Guan, C. (2017). Automatic EEG artifact removal techniques by detecting influential independent components. IEEE transactions on emerging topics in computational intelligence, 1(4), 270-279.

- Goh, S. K., Abbass, H. A., Tan, K. C., Al-Mamun, A., Thakor, N., Bezerianos, A., & Li, J. (2018). Spatio-spectral representation learning for electroencephalographic gait-pattern classification. *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, 26(9), 1858-1867.
- Goh, S. K., Jun Lim, Z., Alam, S., & Pratap Singh, N. (2021). Tunnel Gaussian Process Model for Learning Interpretable Flight's Landing Parameters. *Journal of Guidance, Control, and Dynamics*, 44(12), 2263-2275.

## **HONORS/AWARDS**

- Research Scholarship, National University of Singapore
- STePS: The School of Computing Term Project Showcase (1st Prize), National University of Singapore

**Note: Please delete the ITEM(S) if not applicable.**