

Phan Kien Tuong

CONTACT INFORMATION	Room BB79e, School of Computer Science, University of Nottingham Malaysia Campus	Email: phankientuong@gmail.com Mobile: +60 10-4249 423 GitHub: https://github.com/TuongPK
RESEARCH INTERESTS	Neural Networks, Machine Learning, Computer Vision, Pattern Recognition, Remote Sensing	
EDUCATION	University of Nottingham Malaysia Campus , Selangor, Malaysia PhD, Computer Science, <i>Expected</i> : July 2018 <ul style="list-style-type: none">• Thesis Topic: <i>Parallel Circuits - A Modular Neural Network Architecture</i>• Supervisors: Tomas Henrique Maul, PhD and Tuong Thuy Vu, PhD University of Nottingham Malaysia Campus , Selangor, Malaysia BSc, Computer Science (Honors), July 2012	
JOURNAL PUBLICATIONS	<ol style="list-style-type: none">1. PHAN, K.T., MAUL, T.H., VU, T.T. and LAI, W.K. 2017. DropCircuit: A Modular Regularizer for Parallel Circuit Networks. (In Press) Neural Processing Letters.2. PHAN, K.T., MAUL, T.H. and VU, T.T. 2017. An Empirical Study on Improving the Speed and Generalization of Neural Networks Using a Parallel Circuit Approach. International Journal of Parallel Programming, 45, 780-796.	
CONFERENCE PUBLICATIONS	<ol style="list-style-type: none">1. PHAN, K.T., MAUL, T.H., VU, T.T. and LAI, W.K. 2016. Improving Neural Network Generalization by Combining Parallel Circuits with Dropout. In: HIROSE, A., OZAWA, S., DOYA, K., IKEDA, K., LEE, M. and LIU, D. (eds.) Neural Information Processing: 23rd International Conference, ICONIP 2016, Kyoto, Japan, October 16–21, 2016. Proceedings, Part III. Cham: Springer International Publishing.2. PHAN, K.T., MAUL, T.H. and VU, T.T. 2015. A Parallel Circuit Approach for Improving the Speed and Generalization Properties of Neural Networks. 11th International Conference on Natural Computation, ICNC 2015, Zhangjiajie, China.	
AWARDS	PhD Funding — Crop for the Future Research Center (CFRRC) Full tuition fee and stipend.	
PROJECTS	Undergraduate Final Year Project — Content-based Image Retrieval <ul style="list-style-type: none">• Depict the orientations of images via Fourier domain.• Develop and optimize a Deep Belief Network model to recognize the scenes. PhD Project — Vegetation Classification based on Remote Sensing Imagery <ul style="list-style-type: none">• Generate a vegetation dataset of satellite images within Malaysian boulder.• Perform numerous experiments to select the optimal models for the task.• Tackle the heavy computational expenses by proposing more lightweight models.• Compensate the reduction in generalization through an emphasize on modularity and diversified learning.	

TECHNICAL
EXPERIENCES

Programming Skills:

- Java, MATLAB, Python (Theano)

Professional Activities:

- Peer-reviewer for Optical Engineering, Journal of Applied Remote Sensing