

Dr. Adelina Tang Lai Toh

Position: Senior Lecturer  
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**Education:**

PhD in Computer Science, The University of Queensland, Australia  
MBA in Finance, University of Malaya, Malaysia  
MSc in Computer Science, University of Malaya, Malaysia  
BAsc in Electrical Engineering, University of Ottawa, Canada  
Certificate in Academic Practice, Lancaster University, United Kingdom

**Teaching:**

CSC 1202 Computer Organisation  
CSC 3206 Artificial Intelligence  
CSC 3034 Computational Intelligence

**Administrative role:**

Faculty Teaching & Learning Committee Chair  
BSc in Computer Science Programme Committee Chair

**Brief Employment History:**

Sunway University: Senior Lecturer  
Taylor's University: Programme Director  
HELP University: Senior Lecturer

**Research Interests:**

Teaching and Learning approaches (Problem-Based Learning, student-centred learning, learning through assessment) Artificial Intelligence (Ontology, Machine Learning),

### **Selected Publications:**

1. **Adelina Tang** and Joan Tack Foong, “A Qualitative Evaluation of Random Forest Feature Learning”, T. Herawan et al. (eds.), *Recent Advances on Soft Computing and Data Mining SCDM 2014*, Advances in Intelligent Systems and Computing 287, pp. 359-368, Springer 2014.
2. **Adelina Tang** and Jason Hoh, “Ontology-specific API for a Curricula Management System”, Proceedings of the Second International Conference on e-Learning and e-Technologies in Education (ICEEE 2013), pp. 294-297, IEEE, 2013.
3. **Adelina Tang** and Amanullah Abdur Rahman, “Proof-of-Concept Design of an Ontology-Based Computing Curricula Management System”, in Proceedings of The International Conference on Digital Information and Communication Technology and its Applications (DICTAP2011), Communications in Computer & Information Science (CCIS 167) series of Lecture Notes in Computer Science, pp. 280-292, Springer, 2011.
4. **Adelina Tang**, “Towards the Use of a Computing Ontology: A Curricula Management System Proposal”, International Journal of Digital Information and Wireless Communications (IJDIWC), vol. 1, no. 1, pp. 94-108, 2011.
5. **Adelina Tang**, “Dynamic Bayesian approach to forecasting”, in Proceedings of the 2010 Sixth International Conference on Natural Computation (ICNC 2010), vol. 8, pp. 3933-3937, IEEE, 2010.
6. **Adelina Tang**, Classification and forecasting: A tree augmented naïve Bayes network approach. Saarbrücken: LAP Lambert Academic Publishing, 2010, 144pp.
7. **Adelina Tang**, “The Bayesian approach to belief propagation in digital ecosystems”, in Proceedings of the IEEE International Conference on Digital EcoSystems and Technologies 2009 (IEEE-DEST 2009), CD-ROM: Paper 779; ISBN 978-1-4244-2346-0, 2009.
8. Tom Downs and **Adelina Tang**, “Boosting the tree-augmented naïve Bayes classifier”, in Proceedings of the Fifth International Conference on Intelligent Data Engineering and Automated Learning (IDEAL 2004), Lecture Notes in Computer Science (LNCS 3177), pp. 708-713, Springer, 2004.