

## Prof Simon James Fong



Associate Professor and PhD Advisor of Computer and Information Science  
University of Macau

Simon Fong graduated from La Trobe University, Australia, with a 1st Class Honours BEng. Computer Systems degree in 1993 and a PhD. Computer Science degree in 1998. Simon is now working as an Associate Professor at the Computer and Information Science Department of the University of Macau. He is also one of the founding members of the Data Analytics and Collaborative Computing Research Group in the Faculty of Science and Technology. Prior to his academic career, Simon took up various managerial and technical posts, such as

systems engineer, IT consultant and e-commerce director in Australia and Asia.

Prof Fong has published over 300 international conference and peer-reviewed journal papers, mostly in the areas of data mining and optimization algorithms.

### **FUNDED RESEARCH PROJECTS**

- Nature-Inspired Computing and Metaheuristics Algorithms for Optimizing Data Mining Performance
- Improving the Protein-Ligand Scoring Function for Molecular Docking by Fuzzy Rule-based Machine Learning Approaches
- A Scalable Data Stream Mining Methodology: Stream-based Holistic Analytics and Reasoning in Parallel
- Temporal Data Stream Mining by Using Incrementally Optimized Very Fast Decision Forest (iOVDF)

### **KEYNOTE ADDRESSES**

- Invited Speaker, on the topic of "Opportunities and Applications of Big Data Streaming Analytics", *Academic Seminar*, 14 August 2017, Department of Computer Science, Lakehead University, Thunder Bay, Canada
- Hosted and delivered 3 *Big Data Analytics Training Workshops* on the topics of "Data Mining I", "Data Mining II", and "Big Data Analytics" at 西交利物浦大学 Xi'an Jiaotong Liverpool University (XJTLU), Suzhou, China, 28 June 2017
- Keynote Speaker, *The 2017 International Conference on Big Data Analytics and Business Intelligence*, on the topic of "Big Data Streaming Analytics in R&D: Challenges and Opportunities", 26 June 2017, Xi'an Jiaotong-Liverpool University, Suzhou, China
- Invited Speaker, on the topic of "Tutorial in Big Data Streaming Analytics and Latest R&D", *Frontier Seminar*, 3 May 2017, 南方科技大学, Southern University of Science and Technology

(SUSTech), Shenzhen, China

- Keynote Speaker, 8th iCatse Conference on Information Science and Applications, on the topic of "Emerging Research in Big Data Streaming Analytics (BDSA)", 20 March 2016, Macau
- Invited Speaker, on the topic of "Bio-Inspired Computing for Data Mining", Research Seminar, 13 March 2017, 北方工业大学, North China University of Technology, Beijing, China