

## **Biography:**

Yiu-ming Cheung received Ph.D. degree from Department of Computer Science and Engineering at The Chinese University of Hong Kong in 2000. He joined the Department of Computer Science in Hong Kong Baptist University (HKBU) in 2001, and became a full professor since 2012. He is an IEEE Fellow, IET/IEE Fellow, British Computer Society (BCS) Fellow, Fellow of the Royal Society of Arts (RSA), and IETI Distinguished Fellow, as well as the recipient of “Chu Tian Scholars” in China. His research interests include machine learning, pattern recognition, image and video processing, and optimization. He has published over 220 articles in the high-quality conferences and journals, including IEEE Transactions on Pattern Analysis and Machine Intelligence, IEEE Transactions on Neural Networks and Learning Systems, IEEE Transactions on Information Forensics and Security, IEEE Transactions on Image Processing, IEEE Transactions on Knowledge and Data Engineering, IEEE Transactions on SMC (Part B), and so on. His co-authored work on multi-modal optimization won the championship in the competition of Multi-Niche Optimization held in CEC’2015 --- a flagship international conference on Evolutionary Computation. Moreover, he has been granted one Chinese patent and two US patents. In particular, selected from 1000 new inventions and products of 700+ competition teams from 40 countries, he was awarded two most prestigious prizes: (1) the Gold Medal with Distinction (i.e. the highest grade in Gold Medals) and (2) Swiss Automobile Club Prize, in the 45<sup>th</sup> International Exhibition of Invention, Geneva, Switzerland, on March 29-April 2, 2017, in recognition of his innovative work. Also, he was the Gold Award Winner of Hong Kong Innovative Invention Award in the Seventh Hong Kong Innovative Technologies Achievement Award 2017. In addition, he won the Gold Medal with Congratulations of Jury (i.e. the highest grade in Gold Medals) and the Award of Excellence from Romania, respectively, at the 46th International Exhibition of Inventions of Geneva 2018. Prof. Cheung was the recipient of 2011 Best Research Award in Department of Computer Science, HKBU, the recipient of Best Paper Awards in SEAL’2017, ISICA’2017, ICNC-FSKD’2014, and IEEE IWDVT’2005, respectively, and the recipient of 2017 IETI Annual Scientific Award. He is the Founding and Past Chairman of IEEE (Hong Kong) Chapter of Computational Intelligence Society, and the Chair of IEEE Computer Society Technical Committee on Intelligent Informatics. Furthermore, he has taken the key positions in several top-tier international conferences, e.g. Senior Program Committee Member of IJCAI-ECAI’2018, Area Chair of ICDM’2017 and ICDM’2018, Program Committee Chair of WI’2012 and IAT’2012, Organizing Committee Chair of WI’06, IAT’06, ICDM’06, etc. He has served as the Guest Editor / Associate Editor in several prestigious international journals, including: IEEE Transactions on Neural Networks and Learning Systems, IEEE Transactions on Cybernetics, Pattern Recognition, Neurocomputing, and Knowledge and Information Systems: An International Journal, to name a few.