

Professor Ah Chung Tsoi

Faculty of Information Technology

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Academic Qualification:

Ph.D. in Control Engineering, University of Salford, 1972

Master in Control Engineering Science, University of Salford, 1970

Higher Diploma in Electronic Engineering, Hong Kong Technical College, 1969

Bachelor in University of Otago, 1980

Teaching Area

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Research Area

Neural Networks, Fuzzy systems, Artificial Intelligence, Internet information retrieval, XML document retrieval, web spam detection, distributed smart cameras

Working Experience

Professor , faculty of Information Technology, MUST, 2015 - present

Dean, faculty of Information Technology, MUST, 2010 - 2015

Vice President (Research and Institutional Advancement), Hong Kong Baptist University, 2007 - 2010

Director, e-Research Centre, Monash University, 2005-2007

Executive Director, Mathematics, Information and Communications Sciences, Australian research Council, 2004-2005

Pro-Vice Chancellor (Information Technology and Services), University of Wollongong, 2001-2004

Dean, Faculty of Informatics, University of Wollongong, 1996-2001

Director, Information Technology Services Centre, University of Wollongong, 1999-2001

Reader, then, Professor of Electrical Engineering, University of Queensland, 1990-1996.

Academic Publication (selected)

A. C. Tsoi, L.S. Ma, "A Balanced Approach to Multichannel Blind Deconvolution". in IEEE Transactions on Circuits and Systems, Part 1, Vol 55, No. 4, pp. 599-613, 2008.

L. S. Ma, A. C. Tsoi, "A Variational Bayesian approach to Number of Sources Estimation for Multi-channel blind Deconvolution". Signal, Image and Video Processing, Vol. 2, No. 2, pp 107-127, 2008.

F. Scarselli, M. Gori, A. C. Tsoi, M. Hagenbuchner, G. Monfardini, "The Graph Neural Network Model", IEEE Transactions on Neural Networks, Vol. 20, No. 1, pp. 61-80, 2009,

F. Scarselli, M. Gori, A. C. Tsoi, M. Hagenbuchner, G. Monfardini, "Computational Capabilities of Graph Neural Networks", IEEE Transactions on Neural Networks, Vol. 20, No. 1, pp. 81-102, 2009.

M. Hagenbuchner, A. Sperduti, A. C. Tsoi, , "Graph Self-Organizing Maps for cyclic and unbounded graphs", Neurocomputing, Vol. 72, No. 7-9, pp. 1419-1430, 2009.

Professional Society Membership

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