

Dr Ch'ng Sue Inn

Position: Senior Lecturer
E-Mail: sueinn@sunway.edu.my
Office Extension: 7139



Education:

Ph.D, University of Nottingham, Malaysia

M. Eng., University of Nottingham, Malaysia

Teaching:

Human Computer Interaction

C# Programming

Computer Vision

Brief Employment History:

KDU University College : Lecturer

University of Nottingham : Research Assistant

Research Interests:

Biometrics

Image Processing

Artificial Neural Networks

Selected Publications:

- [1] **S.I. Ch'ng**, S. K. Phooi, F. T. Ong, L.M. Ang, "Multiband Curvelet-based technique for Audio-visual Recognition over Internet Protocol", Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, Volume 62, Part 1, 132-138,2012.
- [2] **S. I. Ch'ng**, F.T. Ong, S.K. Phooi, L.M. Ang, "Audio Visual System for Large Scale People Authentication and Recognition over Internet Protocol (IP)" In Chou, T. (Ed.), Information Assurance

- and Security Technologies for Risk Assessment and Threat Management: Advances. (pp. 183-203).doi:10.4018/978-1-61350-507-6.ch007, 2011.
- [3] **S.I. Ch'ng**, S. K. Phooi, L.M. Ang, "Block-based Deep Belief Network for Face Recognition", *International Journal of Biometrics (IJBM)*, Vol. 4, No. 2, Pages 130-143, 2012.
 - [4] **S.I. Ch'ng**, S. K. Phooi, Y.W. Wong, L.M. Ang, F. T. Ong, "Robust Video Authentication System over Internet Protocol", *International Journal of Biometrics (IJBM)*, Vol. 3, Issue 4, Pages 322-336, 2011.
 - [5] Y.W. Wong, **S. I. Ch'ng**, S. K. Phooi, L.M. Ang, S.W. Chin, W.J. Chew, K. H. Lim, "A New Multi-Purpose Audio-Visual UNMC-VIER Database with Multiple Variabilities", *Pattern Recognition Letters*, vol. 32, Issue 13, 1 October 2011, Pages 1503-1510, ISSN 0167-8655, 2011.
 - [6] **Sue Inn Ch'ng**, Kah Phooi Seng, Li-Minn Ang; "Modular Dynamic RBF Neural Network for Face Recognition", *Proceedings of IEEE Conference on Open Systems, ICOS 2012* 1569627851, ISBN:978-1-4673-1045-1/8, 2012.
 - [7] **Sue Inn Ch'ng**, Kah Phooi Seng, Li-Minn Ang; "Adaptive Momentum Levenberg-Marquardt RBF for Face Recognition"; *Proceedings of 1st IEEE International Conference on Circuits and Systems (ICCAS 2012)*; pp. 126-131, ISBN: 978-1-4673-3119-7; 2012.
 - [8] Fong Tien Ong, Kah Phooi Seng, **Sue Inn Ch'ng**, "Encryption-based DWT for Secure Face Authentication over IP using the Secure Wavelet Transform", *Proceeding of 2011 International Conference on Embedded Systems & Intelligent Technology (ICESIT 2011)*, pp.112-116, CD paper no:00032, 2011.
 - [9] **Sue Inn Ch'ng**, Kah Phooi Seng, Li-Minn Ang, "Curvelet-based Illumination Invariant Feature Extraction for Face Recognition", *Proceedings of International Conference on Computer Applications and Industrial Electronics (ICCAIE 2010)*, CD-ROM: Pages 456-460, ISBN 978-1-4244-9053-0, 2010.
 - [10] **Sue Inn Ch'ng**, Kah Phooi Seng, Li-Minn Ang, "Enhanced Multiband Feature Technique for Face Recognition under Varying Illumination", *Proceedings of IEEE Conference on Sustainable Utilization and Development in Engineering and Technology (IEEE STUDENT 2010)*, CDROM: Pages 61-64, ISBN:978-1-4244-7502-5, 2010.
 - [11] **Sue Inn Ch'ng**, Kah Phooi Seng, Li-Minn Ang, "Improving Large-scale Population Recognition through Structure Optimization", *Proceedings of the 3rd International Conference on Computer Science and Information Technology*, Vol. 5, Pages 380-383, ISBN 978-1-4244-5538-6, 2010.
 - [12] **Sue Inn Ch'ng**, Kah Phooi Seng, Li-Minn Ang, "Multiview-multiband Face Recognition System to Solve Illumination and Pose Variation", *Proceedings of the 3rd International Conference on Computer Science and Information Technology (ICCSIT 2010)*, Vol. 5, Pages 384-387, ISBN 978-1-4244-5538-6, 2010.
 - [13] **Sue Inn Ch'ng**, Kah Phooi Seng, Li-Minn Ang, "Scalable Face Recognition System using Split-Train Structure", *Proceedings of the International Conference on Embedded Systems and Intelligent Technology (ICESIT2010)*, CD-ROM: Paper 11; ISBN 978-974-672-477-7, 2010.
 - [14] Yee Wan Wong, **Sue Inn Ch'ng**, Kah Phooi Seng, Li-Minn Ang, Siew Wen Chin, Wei Jen Chew, King Hann Lim, "The Audio-Visual UNMC-VIER Database", *Proceedings of the International Conference on Embedded Systems and Intelligent Technology (ICESIT2010)*, CD-ROM: Paper 6; ISBN 978-974-672-477-7, 2010.
 - [15] T. Nandha Kumar, **Sue Inn Ch'ng**, "An Automated Approach for the Diagnosis of Multiple Faults in FPGA Interconnects", *1st Asia Symposium on Quality Electronic Design*, pp. 391-395, 2009.