

CURRICULUM VITAE

Name: Chuan-Yu Chang

Mailing Address:

Professor Chuan-Yu Chang

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EDUCATIONS:

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| 1995-2000 | Electrical Engineering, National Cheng Kung University, Taiwan, Ph.D. |
| 1993-1995 | Electrical Engineering, National Taiwan Ocean University, Taiwan, M.S. |

PROFESSIONAL EMPLOYMENT:

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|-----------------|-------------------------|---|
| 2017/10~ | President | Taiwan Association for Web Intelligence Consortium |
| 2011/08~ | Dean | Office of Research and Development, National Yunlin University of Science and Technology |
| 2011/08~ | Director | Incubation Center for Academia-Industry Collaboration and Intellectual Property, National Yunlin University of Science and Technology |
| 2015/01~2017/12 | Chapter Committee | IEEE Region 10 |
| 2014/01~ | Director | Chinese Image Processing and Pattern Recognition Society |
| 2014/01~2016/12 | Director | IEEE Tainan Sector |
| 2013/01~2016/12 | Chair | IEEE Signal Processing Society, Tainan Chapter |
| 2013/08~ | Distinguished Professor | Department of Computer Science and Information Engineering, National Yunlin University of Science and Technology |

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| 2009/08~2011/07 | Chair | Department of Computer Science and Information Engineering, National Yunlin University of Science and Technology |
| 2003~2009 | Associate Professor | Department of Computer Science and Information Engineering, National Yunlin University of Science and Technology |

FIELDS OF SPECIALTY

- Medical Image Analysis
- Signal Processing
- Computational Intelligence
- Machine Learning

HONORS/AWARDS:

- 2017 IET Fellow (The Institute of Engineering and Technology, UK)
- 2017 Grand Prix, INNO Design Tech Expo
- 2017 Excellent Paper Award, The 30th IPPR Conference on Computer Vision, Graphics and Image Processing
- 2017 Excellent Paper Award, Symposium on Digital Life Technologies. (DLT 2017)
- 2015 Best Paper Award, National Computer Symposium (NCS2015).
- 2014 Best Paper Award, Symposium on Digital Life Technologies (DLT2014)
- 2013 Best Paper Award, The Ninth International Conference on Intelligent Information Hiding and Multimedia Signal Processing (IIHMSP2013)
- 2012 Best Paper Award, The International Conference on Information Security and Intelligent Control (ISIC2012)
- 2012 Best Paper Award, the 11st Conference on Information Technology and Applications in Outlying Islands
- 2012 Excellent Research Award, National Yunlin University of Science and Technology
- 2012 Excellent Service Award, National Yunlin University of Science and Technology
- 2010 Best Paper Award, 2010 International Computer Symposium
- 2009 Excellent Paper Award, The 22nd IPPR Conference on Computer Vision, Graphics and Image Processing

SELECTED REFERRED JOURNAL PUBLICATIONS:

Dr. Chang has published over 100 papers and 10 patents. The following is a selection of recent publications. For more information please visit the webpage at

<http://mipl.yuntech.edu.tw>.

1. **Chuan-Yu Chang**, Chuan-Wang Chang, S. Kathiravan, Chen Lin & Szu-Ta Chen, "DAG-SVM based infant cry classification system using sequential forward floating feature selection," *Multidimensional Systems and Signal Processing*, Vol.28, No.3, pp.961–976, 2017.
2. Qing-Qiang Chen, **Chuan-Yu Chang**, "A robust noise removal algorithm with consideration of contextual information," *Multidimensional Systems and Signal Processing*, Vol. 27, No. 1, pp. 179-200, 2016.
3. **Chuan-Yu Chang**, Chuan-Wang Chang, Jun-Ying Zheng, and Pau-Choo Chung, "Physiological Emotion Analysis Using Support Vector Regression," *Neurocomputing*, Vol.122, pp.79-87, 2013.
4. **Chuan-Yu Chang**, Chih-Chin Lai, C.-T. Lai, S.-J. Chen, "Integrating PSO and Boltzmann function for feature selection and classification of lymph nodes in ultrasound images", *Journal of Visual Communication and Image Representation*, Vol.24, No.1, pp.23-30, 2013
5. **Chuan-Yu Chang**, Pau-Choo Chung, Yong-Cheng Hong, and Chin-Hsiao Tseng, "A Neural Network for Thyroid Segmentation and Volume Estimation in CT Images," *IEEE Computational Intelligence Magazine*, Vol.6, No.4, pp.43-55, 2011
6. Chun-Hsi Li, **Chuan-Yu Chang**, MuDer Jeng, "Applying Regional Level-Set Formulation to Post-Sawing Four-element LED Wafer Inspection," *IEEE Transactions on Systems, Man, and Cybernetics--Part C: Applications and Reviews*, Vol. 41, No. 6, pp. 842 – 853, 2010.
7. **Chuan-Yu Chang**, Yue-Fong Lei, Chin-Hsiao Tseng and Shyang-Rong Shih, "Thyroid Segmentation and Volume Estimation in Ultrasound Images," *IEEE Transactions on Biomedical Engineering*, vol. 57, pp. 1348-1357, 2010.
8. **Chuan-Yu Chang**, Shao-Jer Chen, Ming-Feng Tsai, "Application of Support-Vector-Machine-Based Method for Feature Selection and Classification of Thyroid Nodules in Ultrasound Images," *Pattern Recognition*, vol. 43, pp. 3494-3506, 2010.
9. **Chuan-Yu Chang**, Chun-HsiLi, Si-Yan Lin, MuDer Jeng, "Application of Two Hopfield Neural Networks for Automatic Four-element LED Inspection," *IEEE transactions on Systems, Man, and Cybernetics--Part C: Applications and Reviews*, Vol. 39, No. 3, pp.352-365, 2009.
10. **Chuan-Yu Chang**, and Da-Feng Zhuang, "A Fuzzy-Based Learning Vector Quantization Neural Network for Recurrent Nasal Papilloma Detection," *IEEE Transactions on Circuits and Systems I*, Vol.54, No.12, pp.2619-2627, 2007.