

CURRICULUM VITAE

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Education

Dual B.S. degree in mathematics and in computer science and information engineering, National Taiwan Normal University, 2001.

M.S. degree in mathematics, National Taiwan Normal University, 2003.

Ph.D. degree in mathematics, National Taiwan Normal University, 2007.

Research Interests

Interneural computing, neurodynamics, complex adaptive systems

Academic Employments

1. Postdoctor, Department of Mathematics, National Taiwan Normal University, 2007–2011 (Military service)
2. Research Assistant, Department of Mathematics, National Taiwan Normal University, 2011–2012 (Military service)
3. Assistant Research Scholar, National Science Council of Taiwan, 2012–2013
4. Postdoctor, Research Center for Nonlinear Analysis and Optimization, Kaohsiung Medical University, Taiwan, 2013–2014
5. Assistant Researcher, Research Center for Interneural Computing, China Medical University Hospital, Taiwan, 2015–present
6. Assistant Professor, Department of Biomedical Imaging and Radiological Science, China Medical University, Taiwan, 2015–present

Selected Publications

1. M.-H. Shih and F.-S. Tsai, Growth dynamics of cell assemblies, *SIAM J. Appl. Math.*, 69, 1110–1161 (2009).
2. M.-H. Shih and F.-S. Tsai, Decirculation process in neural network dynamics, *IEEE Trans. Neural Netw. Learn. Syst.*, 23, 1677–1689 (2012).
3. M.-H. Shih and F.-S. Tsai, Operator control of interneural computing machines, *IEEE Trans. Neural Netw. Learn. Syst.*, 24, 1986–1998 (2013).