

Lin Sheng-Chou

Associate Professor

Department of Electrical Engineering, Fu-Jen University

Tel: 886-2-29053798, E-mail: 045870@mail.fju.edu.tw



Education

- Ph.D. Electrical Engineering, University of Texas at Arlington, TX, USA, 1997.
- M.S. Electrical Engineering, University of Texas at Arlington, TX, USA, 1992.

Career

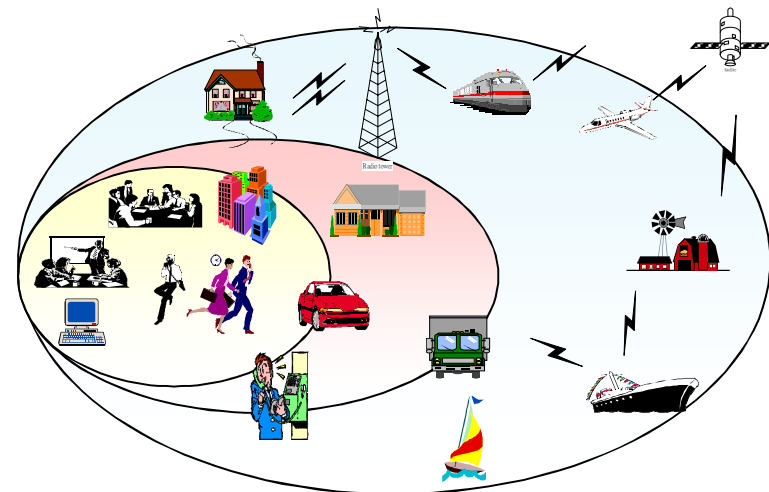
- Assistant Engineer, Product Development in Digital Integrated Circuit Design, Electronics Research & Service Organization (ERSO), Industrial Technology Research Institute (ITRI), Taiwan.
- Research Assistant, Weapon System Simulation in System Development Center, Chung-shan Institute of Science and Technology (CSIST), Taiwan.
- Coop, Bell Northern Research (BNR), TX, USA
- Senior Engineer, Radio System Analysis in Wireless Networks, Northern Telecom (NORTEL), TX, USA
- Consultant, Alltek Marine Electronics Corporation, Taiwan.
- Individual Director, Alltek Technology Corporation, Taiwan.

Specialty

- Communication Theory, Wireless Communications, Statistical Signal Processing, Neural Networks
- Microwave Measurement, Radar System Design, Fiber Optics Communications

Research area

- Equalization, Interference Cancellation, Multiuser Detection, Space-time Processing for CDMA, OFDM, and MIMO systems In Wireless Communications



Selected publication

1. Sheng-Chou Lin and Chi-Wei Wu, " MMSE space-time SS and DS fractionally-spaced decision-feedback multiuser detection and interference cancellation for SDMA systems over fading channels ", *International Journal of Electrical Engineering* (IJE), NST2012 special issue, vol. 19, No. 6, December 2013, pp.110 -118. (EI).
2. Sheng-Chou Lin, "Performance analysis for optimum transmission and comparison with Maximal Ratio Transmission for MIMO systems with cochannel Interference", *EURASIP Journal on Wireless Communications and Networking*, (EURASIP JWCN), vol. 2011, no. 1, Sep. 2011, pp.89. (SCI).
3. Sheng-Chou Lin and Chi-Wei Wu, "Spatial-temporal fractionally-spaced decision feedback equalization for fading channels with dispersive interference", *IET Communications*, vol.5, iss.11, Jul. 2011, pp. 1550-1559. (SCI).
4. Sheng-Chou Lin and Ching-Wen Chen, "Exact error probability for MMSE combining and comparison with Maximal Ratio Combining for digital radio", *Fu-Jen Studies*, vol. 43, pp.131-142. April 2010.
5. Sheng-Chou Lin, "Optimum diversity combining receivers with decision-feedback equalization for cellular mobile radio with CCI", *International Journal of Electrical Engineering* (IJE) , NST2009 special Issue, vol. 16, no. 6, December 2008, pp.447-457. (EI).
6. Sheng-Chou Lin, "Performance analysis of decision-feedback equalization for cellular mobile radio with cochannel interference and fading", *IET Communications*, vol. 3, no. 1, January 2009, pp.100-114. (SCI).
7. Sheng-Chou Lin, "Accurate error rate estimate using moment method for optimum diversity combining and MMSE equalization in digital cellular mobile", *IEE Proceeding- Communications*, June 2002, pp.157-165. (SCI).
8. Sheng-Chou Lin, "Finite-length decision-feedback equalization for optimum combining diversity in digital cellular mobile radio", *IEE Proceeding-Communications* , August 2001, pp.234-242 (SCI).

Financial support for Ph.D. students

[Stipend]

1. National Science Council (NSC) Scholarship for Ph.D : up to NT 12,000/mo
2. Ministry of Education Teaching Excellent Project for Ph.D: up to NT 12,000/mo (Teaching assistant, optional)
3. Fu Jen Catholic University International PhD student Scholarship: NT 10,000/mo

[Tuition]

1. The 1st and 2nd year tuition is waived (around NT 220.000).
2. The tuition will be free after the 3rd year of Ph.D program