

Sung-won Park

Education

B.S. in Electronics Engineering, Hanyang University, Seoul, South Korea, 1975.

M.S. in Electrical Engineering, University of New Mexico, Albuquerque, NM, 1982.

Ph.D. in Electrical Engineering, University of New Mexico, Albuquerque, NM, 1985.

Teaching Interests

Undergraduate courses: Network Analysis, Digital Logic Design, Linear Systems and Signals, Communications Engineering

Graduate Courses: Digital Signal Processing, Speech Processing

Research Interests

Nonuniform Sampling; Signal, Speech and Image Processing

Honors and Awards

- Phi Kappa Phi, 1985
- Senior Member of IEEE, 1998
- Lockheed Martin Aeronautics Company Faculty Teaching Award, 2005
- TAMUS Student Recognition Award for Teaching Excellence, 2010 and 2011
- Department of EECS Professor of the Year Award, 2016

Selected Publications

- S. Park, *Essence of Digital Signal Processing* (2nd Edition), Linus Learning, Ronkonkoma, NY, 2018, ISBN 10:1-60797-807-5.
- S. Park and T. Renukaradhya, "Reconstruction of Undersampled Super High Frequency Signals using Recurrent Nonuniform Sampling," Proceedings of the International Conference on Modeling, Simulation and Visualization Methods, Las Vegas, Nevada, July 2018, pp. 17-20.
- S. Park and R. Kestur, "Detection of Ultra High Frequency Narrow Band Signal Using Nonuniform Sampling," Proceedings of the International Conference on Modeling, Simulation and Visualization Methods, Las Vegas, Nevada, July 2017, pp. 82-86.
- G. Wang and S. Park (presenter), "Improved Estimation of Induction Motor Circuit Parameters with Published Motor Performance Data," Proceedings of the 2014 Sixth Annual IEEE Green Technology Conference, Corpus Christi, TX, April, 2014, pp. 25-28.
- S. Park, W. Hao and C. S. Leung, "Reconstruction of Uniformly Sampled Sequence from Nonuniformly Sampled Transient Sequence Using Symmetric Extension," IEEE Trans. on Signal Processing, vol. SP 30, pp. 1498-1451, March 2012.
- S. Park, "Speech Compression Using ARMA Model and Wavelet Transform," Proceedings of 1994 IEEE International Conference on Acoustics, Speech & Signal Processing, Adelaide, Australia, 1994, pp. 209-212.
- S. Park, "Very Low-Rate Speech Coding Using Least Squares ARMA Modeling," Program and Abstracts, IEEE Workshop on Speech Coding for Telecommunications, Whistler, BC, Canada, September 1991, pp. 62-63.
- S. Park and J. T. Cordaro, "Improved Estimation of SEM Parameters from Multiple Observations," IEEE Trans. on Electromagnetics Compatibility, vol. EMC 30, pp. 145-153, May 1988.

- S. Park and J. T. Cordaro, "Maximum Likelihood Estimation of Poles from Impulse Response Data in Noise," Proceedings of 1987 IEEE International Conference on Acoustics, Speech and Signal Processing, Dallas, TX, 1987, pp. 1501-1504.