

Salim A. Alkhawaldeh

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EDUCATION

- Sept. 2001 – Sept. 2005 Concordia University (Canada)
Ph.D., Electrical Engineering (Digital Signal Processing and
Wireless Communications)
- Sept. 1996 – Feb. 1999 Jordan University of Science and Technology (Jordan)
M.Sc. Electrical Engineering (Communications and Electronics)
- Sept. 1989 – June 1994 University of Jordan (Jordan)
B.Sc., Electrical Engineering

PUBLICATIONS

Book Chapter

1. “Computer Modeling of Optical Fibers and Waveguides, “Unconventional optical elements for information storage, processing and communications,” edited by E. Marom ... [et al.], publisher: Dordrecht ; Boston, USA : Kluwer Academic Publishers, 2000.

Journal Papers

2. “Edge-based finite/infinite elements modeling of circular and buried microstrip lines,” *International Journal of Electronics*, Germany, pp. 1257-1268, Vol. 87, No. 10, 2000.
3. “Computer modeling of optical dielectric waveguides by edge infinite elements,” *Journal of Optical Communications*, UK, pp. 66-72, Vol. 21, No. 2, April 2000.
4. “A robust pilot-symbol-aided channel estimator for OFDM wireless communications,” *IEEE CJECE Journal*, vol. 30, no.1, pp. 23–28, Winter 2005.
5. “A New approach to diversity and multiplexing gains for wideband MIMO channels,” accepted for publication in *IEEE Transaction on Wireless Communications*.
6. “Multi-layered linear dispersion codes for flat fading MIMO Channels,” submitted to *IEEE Transaction on Signal Processing*.

Conference Papers

7. “Phase-Shift-Based Layered Linear Space-Time Codes ,” *10th IEEE Symposium on Computers and Communications ISCC 2005*, pp. 281-286, Cartagena, Spain, July, 2005.
8. “A robust Pilot-Symbol-Aided Channel Estimator for OFDM Wireles Communications,” *6th World Wireless Congress, WWC’05*, pp. 34-39, Palo Alto/San Francisco, USA, May, 2005.
9. “A New Divesrity Scheme for Frequency Selective MIMO Channels, *14th IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC2003)*, Beijing, China, Sept. 7-10, 2003.

10. "An extended space-time transmit diversity scheme for frequency selective fading channels," *IEEE CCECE conference*, 2003, Montreal, Canada, pp. 1663-1666, May 2003.
11. "Computer Solutions to Integrated Optical Waveguides," *Proceedings of the Workshop on Unconventional Optical Elements for Information Storage, Processing, and Communications, 19-21 Oct., 1998*.

PROFESSIONAL ACTIVITIES

Reviewer for:

1. IEEE VTC 2004-Fall Conference, Transmission Technology, Los Angeles, CA, USA.
2. IEEE Globecom 2004 Conference, Signal Processing for Communications, Dallas, Texas, USA.
3. IEEE ICC 2005 conference, Signal Processing for Communications, Seoul, Korea.

WORK EXPERIENCE

Feb. 1999 – Aug. 2001 Al-Balqa' Applied University (Jordan)
Lecturer

Sept. 1996 – Jan. 1999 Jordan University of Science and Technology (Jordan)
Teaching Assistant

COMPUTER SKILLS

- Assembly Language.
- Fortran Language.
- Qbasic.
- Visual Basic.
- C++ Language.
- Matlab.
- Mathcad.