HUSSAM G. BATSHON

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EDUCATION

AUG. 2007 – PRESENT **University Of Arizona, Tucson, AZ - USA**
Ph.D. in Electrical Engineering.

AUG. 2005 – AUG. 2007 **University Of Arizona, Tucson, AZ - USA**
M. S. in Electrical Engineering, Fulbright Grantee, GPA 4.0/4.0

OCT. 2000 – JAN. 2005 **University Of Jordan, Amman - JORDAN**
Bachelor of Electrical Engineering, GPA 3.36/4.00

EMPLOYMENT

JAN. 2006 – PRESENT **University of Arizona, Tucson, AZ**
Teaching/Research Assistant

MAY 2007 – AUG. 2007 **NEC Laboratories America, Inc.**
Summer Research Assistant (Intern)

RESEARCH INTERESTS

Fiber Optics, coding and wireless communications.

PROFFESIONAL ACTIVITIES

REVIEWING
IEEE - Photonics Technology Letters
IEEE - Journal of Lightwave Technology
Optics Communications

PUBLICATIONS

Journal Publications

H. G. Batshon, I. B. Djordjevic, B. Vasic, "An Improved Technique for Suppression of Intrachannel Four-Wave Mixing in 40 Gb/s Optical Transmission Systems," IEEE Photonics Technol. Lett., vol. 19, no. 2, pp. 67-69, Jan. 15, 2007.

I. B. Djordjevic, H. G. Batshon, M. Cvijetic, L. Xu, and T. Wang, "PMD Compensation by LDPC-Coded Turbo Equalization," IEEE Photonics Technol. Lett., vol. 19, no. 15, pp. 1163 - 1165, Aug. 1, 2007.

L. L. Minkov, I. B. Djordjevic, H. G. Batshon, L. Xu, T. Wang, M. Cvijetic, and F. Kueppers, "Demonstration of PMD Compensation by LDPC-Coded Turbo Equalization and Channel Capacity Loss Characterization Due to PMD and Quantization," IEEE Photon. Technol. Lett., accepted for publication.

Conference Publications

H. G. Batshon, I. B. Djordjevic, B. Vasic, "An efficient modulation technique for suppressing intrachannel FWM in 40Gb/s optical transmission systems," in Proc. Optical Transmission Systems and Equipment for Networking V-SPIE Optics East Conference, 1-4 Oct. 2006, Boston, Massachusetts, USA.

H. G. Batshon, I. B. Djordjevic, L. Minkov, "Chromatic Dispersion Compensation using LDPC-Coded Turbo Equalization," IEEE LEOS Summer Topicals 2007: Advanced Digital Signal Processing in Next Generation Fiber Optic Transmission, pp. 37-38, 23-25 Jul. 2007, Portland, Oregon, USA.

I. B. Djordjevic, H. G. Batshon, M. Cvijetic, L. Xu, and T. Wang, "PMD Compensation using LDPC Coding based Turbo Equalization," in Proc. CLEO 2007, Paper no. CMQ3.

I. B. Djordjevic, H. G. Batshon, L. L. Minkov, L. Xu, T. Wang, M. Cvijetic, Y. Yano, F. Kueppers, "Experimental Demonstration of PMD Compensation by LDPC-Coded Turbo Equalization," 33rd European Conference and Exhibition on Optical Communication (ECOC 2007), Sep. 16-20, 2007 - International Congress Center (ICC), Berlin, Germany.

MEMBERSHIPS

Student member, The Institute of Electrical and Electronics Engineers (IEEE).

COMPUTER SKILLS

Packages: MATLAB.
Languages: C, C++.
Operating Systems: Unix/Linux, Windows.