

Bassem Alhalabi

Associate Professor

Department of Computer & Electrical Engineering and Computer Science

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(A) PROFESSIONAL PREPARATION

- University of Louisiana at Lafayette, Computer Engineering, Ph.D., 1995
- University of Louisiana at Lafayette, Computer Engineering, M.S., 1993
- Purdue University, W. Lafayette, IN, Electrical Engineering, M.S., 1986
- Ohio University, Athens, Ohio, Electrical Engineering, B.S., 1984

(B) APPOINTMENTS

- Associate Professor (August 2002-Current), Computer Science and Engineering, Florida Atlantic University
- Director (2001-Current), Center for the Advancement of Distance Education Technologies (CADET), Florida Atlantic University
- President and CEO (2005-Current), Research and Development G's Inc., a start-up R&D company based in Boca Raton.
- Assistant Professor (August 1996-2002), Computer Science and Engineering, Florida Atlantic University

(C) SELECTED PUBLICATIONS (TOTAL 64)

- Sloan, J., Khoshgoftaar, T.M., Alhalabi, B., and Beaujean, P-P., "Strategy and Application of Data-Driven Testing of an Ocean Turbine Drivetrain." International Journal of Reliability, Quality, and Safety Engineering, 2012. In Press.
- Wald, R., Khoshgoftaar, T.M. and Alhalabi, B., "A Novel Baseline-Differencing Approach to Create Generalizable Reliability Models of Ocean Turbine Behavior." Proceedings of the 18th ISSAT International Conference on Reliability and Quality in Design, Boston, Massachusetts, July 26-28, 2012. In Press.
- Vivek Tyagi, Ankur Agarwal, A. S. Pandya, B. Alhalabi, "Object Reorganization Framework and Test Methodology for Mobile Applications", IEEE Conference on High Assurance Systems Engineering, 2011.
- Mark Conatser, Chris Beachle, Ankur Agarwal, B. Alhalabi, A. S. Pandya, Borko Furht, A. S. Pandya, Bassem Alhalabi, "A Secure Mobile Framework for Monitoring Medical Data", IEEE High Assurance System Engineering, 2011.
- Duhaney, J., Khoshgoftaar, T.M., Cardei, I., Alhalabi, B. and Sloan, J., "Applications of Data Fusion in Monitoring Inaccessible Ocean Machinery." Proceedings of the 16th ISSAT International Conference on Reliability and Quality in Design, Washington, D.C., August 5-7, 2010, pp. 318-323.

- Sloan, J., Khoshgoftaar, T.M. and Alhalabi, B., "A Strategy for Data-Driven Testing of an Ocean Turbine Drivetrain." Proceedings of the 17th ISSAT International Conference on Reliability and Quality in Design, Vancouver, B.C., Canada, August 4-6, 2011, pp.364-368.
- Ionut Cardei, Ankur Agarwal, Bassem Alhalabi, Timur Tavtilov, Taghi Khoshgoftaar, Pierre-Philippe Beaujean, "Software and Communications Architecture for Prognosis and Health Monitoring of Ocean-based Power Generator," the 5th IEEE Systems Conference, Montreal, Canada, April 2011
- Chad Calvert, Georgiana Hamza-Lup, Ankur Agarwal, Bassem Alhalabi "An Integrated Component Selection for System Level Design", IEEE Conference on Systems Engineering, 2011
- B. Alhalabi, M.K. Hamza, and Ali Abu-El Humos, "Distance Education: Remote Labs Environment", Proceedings of ASEE Zone 1 Conference (ASEE Z1), United States Military Academy, West Point, NY, March 28-29, 2008.

(D) SYNERGISTIC ACTIVITIES

- Agency: Mobile Help, CAKES; \$46,000; CO-Principle Investigator, 2012-2013
 - Component Evaluation for Physical Phenomenon: Motion and Movement
- Agency: Tabuk University; \$20,000; Principle Investigator, 2011-2012
 - Service Oriented Architecture for Interfacing RFID and GSM Protocol
- Agency: Ocean Engineering, FAU; \$145,919; Principle Investigator, 2010-2011
 - MCM and Prognostics Monitoring
- Agency: CGC; \$50,000 Grant; CO-Principle Investigator, 2010-2011
 - Android Application Development
- Engineering labs management and enhancement 1995-Current
 - Logic Design, Microprocessors, Microcontrollers, Embedded Systems, Engineering Design: Constantly upgrading labs resources including platform, sensors, and actuators. Also and writing lab manuals every semester.
- Industrial and Consumer Products Prototypes, RnD's Inc., 2005-12.
 - Designed and built proof of concepts and prototypes for various consumer and health products. Examples are pool heater controller, hand washing enforcement system, baby sanitization produces, etc.
- Graduate students supervision and committee, total (53).
 - PhD Students: Advisor (4), Total (12)
 - Masters Students: Advisor (15), Total (41)

(E) SELECTED AWARDS, RECOGNITIONS AND MEMBERSHIPS

- Award for Excellence in Undergraduate Teaching, 2007/2008, Florida Atlantic University. Presented at FAU annual convocation.
- Distinguished Teacher of the Year, 2006, FAU CSE Department. Selected by students and nominated to the College.
- Listed in "Outstanding People of the 20th Century", 1999. Compiled by The International Biographical Center of Cambridge, England, Mid 1999.
- Member of UFF, IEEE, ASEE, NEA, ACM, and others