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### **Education:**

**Ph.D** Electrical and Computer Engineering, Wichita State University, 2005

**M. S.** Physics and Electronics, Najah National University, 1998

**B. Sc.** Physics and Electronics, Najah National University, 1995

### **Academic Experience**

-Visiting Assistant Professor, Engineering Technology, Miami University, Aug2008-Present

- Faculty of Communication and Electronics Engineering, ITT Technical Institute, Maryland  
Sep2007- Aug2008

-Postdoctoral Researcher, Electrical and Computer Engineering Department  
Louisiana State University, Louisiana, Aug2006-Aug2007

-Visiting Assistant Professor, Electrical and Computer Engineering Department  
West Virginia University Institute of Technology, Oct 2005- July 2006

-RF Engineering, Sprint Nextel communication, Florida, April 2005-Oct2006

-Graduate Research Assistant, Electrical and Computer Engineering Department, Wichita State  
University, Wichita, KS Aug 2001 - Mar2005

### **Worked Projects**

-Worked in project "Smart Antenna for Future US Army Frequency-Hopping Communications  
Systems," US Army – DEPSCoR, Wichita state University, KS

-Worked in project supported from Aerospace Sensor Networks Technology Thrust, Minority  
Leader's Program, AFRL/Clarkson Aerospace, Louisiana State University

### **Award and Honors**

-Outstanding PhD Award in Electrical and Computer Engineering Wichita State University  
Spring 2004.

-Published More than 30 Journal and conference papers in the areas of signal processing and  
wireless communication

### **Selected PUBLICATIONS**

1. Nizar Tayem and Hyuck M. Kwon, "Azimuth and Elevation Angle Estimation with No Failure and No Eigen Decomposition," Elsevier Signal Processing Journal, Volume 86, Issue 1, Pages 8-16, January 2006.
2. Nizar Tayem and Hyuck M. Kwon, "L-Shape 2-Dimensional Arrival Angle Estimation with Propagator Method," *IEEE Transactions on Antennas and Propagation*, Vol. 53, No. 5, pp. 1622-1630, May 2005.
3. Nizar Tayem and Hyuck M. Kwon, "Conjugate ESPRIT (C-SPRIT)," *IEEE Transactions on Antennas and Propagation*, Vol. 52, No. 10, pp. 2618-2624, October 2004.

4. Kareem Al Jabr, Hyuck M. Kwon, and Nizar Tayem, "Modified UCA-ESPRIT for Estimating DOA of Coherent Signals Using One Snapshot," IEEE Vehicular Technology Conference, Spring 2008
5. N.Tayem and M. Naraghi-Pour, " Unitary MUSIC algorithm for Source bearing estimation," IEEE Vehicular Technology Conference, Baltimore, MD, 30 September 3 October 2007
6. N.Tayem and M. Naraghi-Pour, "Propagator Method and Triangular Factorization for Source Bearing Estimation," accepted at IEEE Military Communications Conference, Orlando, Florida, October 29-31 2007

### **Technical Reports**

Nizar Tayem, Raja Balakrishnan, and Hyuck M. Kwon, "Smart Antenna for Future US Army Frequency-Hopping Communications Systems," US Army – DEPSCoR Final Progress Report, June 7, 2005, 263 pages.