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Computer and Communication Engineering
Al-Zaytoonah University of Jordan
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ACADEMIC QUALIFICATIONS

Ph. D. in Electrical Engineering, 2012

New Mexico State University, USA

M. Sc. in Computer Science, 2007

Amman Arab University for Graduate Studies, Jordan

B. Sc. in Electrical Engineering, 2001

Jordan University of Science and Technology, Jordan

PROFESSIONAL EXPERIENCE

- 2013- Assistant Professor/ Computer and Communication Engineering - Al-Zaytoonah University of Jordan.
- 2008-2012 Teaching Assistant in Electrical Engineering Department / New Mexico State University, USA.
- 2008-2012 Research Assistant in Electrical Engineering and Computer Science Departments / New Mexico State University, USA.
- 2006-2008 Teaching Assistant in Electrical Engineering Department / Jordan University of Science and Technology, Jordan.
- 2003-2006 Computer enginner in Engineering Faculty/ Jordan University of Science and Technology, Jordan.

RESEARCH INTERESTS

- Ad-hoc Networks and sensor networks
- Small world networks
- Obstacles analysis in wireless networks

Professional Development Activities in the last six years

- **Courses Taught:**
 1. Problem solving using C
 2. Problem solving using MATLAB
 3. Digital Design
 4. Probability and random processes
 5. Introduction to linear systems
 6. Signals and systems
 7. Princeiples of electrical engineering

Journal Publications of the last five years

1. M. Balakrishnan, Hong Huang, Rafael Asorey-Cacheda, Satyajayant Misra, Sandeep Pawar, Yousef Jaradat: Measures and Countermeasures for Null Frequency Jamming of On-Demand Routing Protocols in Wireless Ad Hoc Networks. IEEE Transactions on Wireless Communications 11(11): 3860-3868 (2012)

Conference Publications of the last three years :

1. Manikanden Balakrishnan, Hong Huang, Satyajayant Misra, Rafael Asorey-Cacheda, Yousef Jaradat, Sandeep Pawar: Null Frequency Jamming of Dynamic Routing in Wireless Ad Hoc Networks. GLOBECOM 2011: 1-5