

# Farah Kandah

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<b>EDUCATION</b>	01/2008 – 08/2012	<b>Ph.D.</b> , Computer Science, North Dakota State University <b>Dissertation:</b> <i>A Secure and Reliable Interference-aware Wireless Mesh Network Design.</i>
	10/2002 – 06/2005	<b>M.Sc.</b> , Computer Science, The University of Jordan <b>Thesis:</b> <i>Evaluation of the TCP's Fast Retransmit Mechanism over IEEE 802.11's DCF.</i>
	10/1998 – 06/2002	<b>B.Sc.</b> , Computer Science, The Hashemite University
<b>EXPERIENCE</b>	08/2012 – Present	<b>Computer Science and Engineering, University of Tennessee, Chattanooga, Tennessee (USA).</b> <i>Assistant Professor.</i>
	08/2011 – 06/2012	<b>Computer Science Department, North Dakota State University, Fargo, North Dakota (USA).</b> <i>Teaching Assistant.</i>
	01/2009 – 08/2011	<b>Computer Science Department, North Dakota State University, Fargo, North Dakota (USA).</b> <i>Research Assistant.</i>
	08/2005 – 12/2007	<b>Computer Science Department, The Hashemite University, Az Zarqa, Jordan.</b> <i>Lecturer and Course Coordinator.</i>
	10/2003 – 06/2005	<b>Computer Science Department, The University of Jordan, Amman, Jordan.</b> <i>Research Assistant.</i>
<b>PROFESSIONAL ACTIVITIES</b>	<b>Membership:</b> IEEE Graduate Student Member and IEEE Communication Society (ComSoc) member. <b>TPC Member:</b> IEEE WCNC 2013, IEEE/ACM ICCVE 2012, IEEE ICNC 2012, IEEE INFOCOM 2011 workshop on Machine-to-Machine Communications and Networking (M2MCN). <b>Journal Reviewer:</b> WILEY's Security and Communication Networks (SCN) Journal, International Journal of Information Processing and Management (IJIPM), Journal of Computer Systems, Networks and Communications (JCSNC). <b>Conference Reviewer:</b> IEEE ICNC 2012, IEEE Globecom 2011, IEEE ICC 2011 and IEEE Globecom 2010. <b>Workshop Reviewer:</b> IEEE INFOCOM 2011 Workshop on Machine-to-Machine (M2MCN), WIP of PerCom 2011, International workshop on Quality of Service (IWQoS) 2010, IEEE INFOCOM 2010 (Student Workshop).	
<b>HONORS AND AWARDS</b>	<ul style="list-style-type: none"><li>- North Dakota State University, 2010 grant to attend and participate in the Consumer Communications and Networking Conference (CCNC 2010) in Las Vegas, NV (USA).</li><li>- Tuition waiver and research/teaching assistantship to pursue Ph.D. of Computer Science at North Dakota State University (2008).</li><li>- Tuition waiver and research assistantship to pursue M.Sc. of Computer Science at the University of Jordan (2003).</li></ul>	

## TALKS

- IEEE Globecom 2010 (Miami, FL. USA).
- IEEE CCNC 2010 (Las Vegas, NV. USA).
- ND EPSCoR 2010 (Grand Forks, ND. USA).
- ND EPSCoR 2009 (Fargo, ND. USA).

## REFEREED JOURNALS AND CONFERENCE PUBLICATIONS

1. **Farah Kandah**, Yashaswi Singh, and Weiyi Zhang, “*Mitigating Colluding Injected Attack using Monitoring Versification in Mobile Ad-hoc Networks*”, Security and Communication Networks (SCN), Wiley (*Accepted for publication*).
2. **Farah Kandah**, Yashaswi Singh, and Weiyi Zhang, “*Mitigating Eavesdropping Attack using Secure Key Management Scheme in Wireless Mesh Networks*”, Journal of Communications (JCN, ISSN 1796-2021), vol 7, no 8 (2012), 596-605, Aug 2012.
3. **Farah Kandah**, Yashaswi Singh, Weiyi Zhang, and Tie Wang, “*A Misleading Active Routing Attack in Mobile Ad-hoc Networks*”, International Journal of Security and Networks (IJSN), vol.7, no.1, pp.17 - 29.
4. Weiyi Zhang, **Farah Kandah**, Chonggang Wang, and Tao Jiang, “*OFDMA Scheduling and QoS Routing in Hybrid Wireless Networks*”, International Journal of Information Processing and Management (IJIPM) (*Accepted for publication*).
5. Weiyi Zhang, **Farah Kandah**, Xiaojiang Du, and Chonggang Wang (2011), “*Self-protecting Networking using Dynamic p-cycle Consideration with Link Capacity Constraint*”, Security and Communication Networks, Wiley, issn 1939-0122, doi: 10.1002/sec.364.
6. **Farah Kandah**, Weiyi Zhang, Chonggang Wang, and Juan Li (2011), “*Diverse Path Routing with Interference and Reusability Consideration in Wireless Mesh Networks*”, Mobile Networks and Applications, pp. 1-10, vol. , Issue 1383-469X, doi:10.1007/s11036-011-0301-y.
7. Weiyi Zhang, **Farah Kandah**, Chonggang Wang, and Hongxiang Li (2011), “*Dynamic Light Trail Routing in WDM Optical Networks*”, Photonic Network Communications, pp. 78 – 89, vol. 21, Issue: 1, doi: 10.1007/s11107-010-0282-y.
8. **Farah Kandah**, Yashaswi Singh, Weiyi Zhang, and Tie Wang (2011), “*MIRA: Misleading Routing Attack in Mobile Ad-hoc Networks*”, Global Telecommunications Conference (GLOBECOM 2011), IEEE, pp.1-5, doi: 10.1109/GLOCOM.2011.6134283.
9. **Farah Kandah**, Weiyi Zhang, Xiaojiang Du, and Yashaswi Singh (2011), “*A Secure Key Management Scheme in Wireless Mesh Networks*”, Communications (ICC), 2011 IEEE International Conference on, pp.1-5, 5-9 June 2011, doi: 10.1109/icc.2011.5962807.
10. **Farah Kandah**, Yashaswi Singh, and Chonggang Wang (2011), “*Colluding Injected Attack in Mobile Ad-hoc Networks*”, Computer Communications Workshops (INFOCOM WKSHPS), 2011 IEEE Conference on, vol., no., pp.235-240, 10-15 April 2011, doi: 10.1109/INFCOMW.2011.5928815.
11. Yashaswi Singh, **Farah Kandah**, and Weiyi Zhang (2011), “*A Secure Cost-effective Multi-Cloud Storage in Cloud Computing*”, Computer Communications Workshops (INFOCOM WKSHPS), 2011 IEEE Conference on, pp.619-624, 10-15 April 2011, doi: 10.1109/INFCOMW.2011.5928887.
12. **Farah Kandah**, Weiyi Zhang, Yashaswi Singh, and Juan Li (2010), “*Interference-aware Robust Wireless Mesh Network Design*”, GLOBECOM 2010, 2010 IEEE Global Telecommunications Conference, vol., no., pp.1-5, 6-10 Dec. 2010, doi: 10.1109/GLOCOM.2010.5683887.
13. Weiyi Zhang, **Farah Kandah**, Jian Tang, and Kendall Nygard (2010), “*Interference-Aware Robust Topology Design in Multi-Channel Wireless Mesh Networks*”, Consumer Communications and Networking Conference (CCNC), 2010 7th IEEE, pp.1-5, doi: 10.1109/CCNC.2010.5421854.