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Academic rank: Assistant Professor



Education

2009 to 2012	PhD in Computer Engineering (GPA=3.96/4) from Iowa State University.
2003 to 2006	Master in Computer Engineering (GPA=87%) from Jordan University of Science and Technology, Jordan
1998 to 2003	Bachelor in Computer Engineering (GPA=80.7%) from Jordan University of Science and Technology, Jordan
1998	High school (grade = 95.6%) from Jordan

Work Experience

University of Jordan in Amman, Jordan School of Engineering Dean Assistant	Full time Aug 2016 up to now
University of Jordan in Amman, Jordan Assistant Professor	Full time Jan 2013 up to now
Iowa State University in Ames, Iowa Teaching Assistant (OS, Distributed systems, digital forensics, & Applications of computer algorithms)	Part time Jan 2011 up to Dec2012
SEDCO in Amman, Jordan Software Support Engineer	Full time job April 2005 to April 2008

Research

Research interests	Wired and wireless networks, Wireless sensor networks, Cognitive Radio Networks, computer and network Security, Embedded Systems, and image processing
Published Papers:	Ramzi R. Saifan, Iyad F. Jafar, and Ghazi Al Sukkar. "Optimized Cooperative Spectrum Sensing Algorithms in Cognitive Radio Networks". Accepted in Oxford the Computer Journal, Jan 2017. Andraws Swidan, Haytham Bani Abdelghany, Ramzi Saifan , and Zeljko Zilic. "Mobility and Direction Aware Ad-hoc on Demand Distance Vector Routing Protocol." <i>Procedia Computer Science</i> 94 (2016): 49-56. Sharhabeel H. Alnabelsi, Ramzi R. Saifan , and Hisham M. Almasaeid, "Improving Routing Performance Using Cooperative Spectrum Sensing in Cognitive Radio Networks". <i>International Review on Computers and Software (I.RE.CO.S.)</i> , Vol. 11, N. 10, October 2016 Ramzi R. Saifan, Iyad F. Jafar, and Ghazi Al Sukkar. "Optimized Cooperative Spectrum Sensing Algorithms in Cognitive Radio Networks". Accepted in Oxford

the Computer Journal, Jan 2017.

Jafar, Iyad F., Khalid A. Darabkh, Raed T. Al-Zubi, and **Ramzi R. Saifan**. "An efficient reversible data hiding algorithm using two steganographic images." *Signal Processing* 128 (2016): 98-109.

Iyad F. Jafar, Khalid A. Darabkh, Raed T. Al-Zubi, and **Ramzi R. Saifan**. "An Efficient Reversible Data Hiding Algorithm Using Two Steganographic Images **Signal Processing**". Accepted in Elsevier *Signal Processing Journal*, March 2016.

Al Sukkar, Ghazi, **Ramzi Saifan**, Sufian Khwaldeh, Mahmoud Maqableh, and Iyad Jafar. "Address Resolution Protocol (ARP): Spoofing Attack and Proposed Defense." *Communications and Network* 8, no. 03 (2016): 118.

Ramzi Saifan, Ghazi Al-Sukkar, Rawaa Al-Ameer, Iyad Jafar. "Energy efficient cooperative spectrum sensing in cognitive radio". *International Journal of Computer Networks and Communications (IJCNC)*. Volume 8, No. 2, March 2016 Issue.

Amal Ahmad, Andraws Swidan and **Ramzi Saifan**. "Comparative Analysis of Different Encryption Techniques in Mobile Ad Hoc Networks (MANETS)". *International Journal of Computer Networks and Communications (IJCNC)*. Volume 8, No. 2, March 2016 Issue.

Ramzi Saifan, Asma Salem, Dema Zaidan, and Andraws Swidan. "A Survey of behavioral authentication using keystroke dynamics: Touch screens and mobile devices". *Journal of Social Sciences*. Volume 5, No.1, January 2016 Issue.

Ramzi Saifan. "Proactive Driver Alert System (PDAS) for Drowsy Drivers". *Journal of Social Sciences*. Volume 5, No.1, January 2016 Issue.

Celik, Abdulkadir, **Ramzi Saifan**, and Ahmed E. Kamal. "Sensing strategies for channel discovery in Cognitive Radio Networks." *Computing, Networking and Communications (ICNC)*, 2015 International Conference on. IEEE, 2015.

Ramzi Saifan, Ahmed E. Kamal, and Yong Guan. "A Cross Layer Routing Protocol in Cognitive Radio Networks" published in *Globecom* 2013

Ramzi Saifan, Ahmed E. Kamal, and Yong Guan. "Spectrum Decision for Efficient Routing in Cognitive Radio Network." published in 9th IEEE International Conference on Mobile Adhoc and Sensor Systems (IEEE MASS 2012).

Ramzi Saifan, Ahmed E. Kamal, and Yong Guan. Efficient Spectrum Searching and Monitoring in Cognitive Radio Network, In IEEE MASS 2011: proceeding of 8th IEEE International Conference on Mobile Ad-hoc and Sensor Systems (IEEE MASS 2011)

Ramzi Saifan, Yawen Wei, and Yong Guan. A Framework for Cooperative In-Band Sensing in Cognitive Radio Network, In proceeding on the Fifth IEEE Workshop on Networking Technologies for Software Defined Radio (SDR) Networks, pages 1-6, 2010

Omar Al-Jarrah and **Ramzi Saifan**. A Novel Key Management Algorithm in Sensor Networks. In *MoMM '08: Proceedings of the 6th International Conference on Advances in Mobile Computing and Multimedia*, pages 291-294, New York, NY, USA, 2008. ACM

Ramzi Saifan and Omar Al-Jarrah. A Novel Algorithm for Defending Path-Based

Denial of Service Attacks in Sensor Networks. In International Journal of Distributed Sensor Networks, 2010

Awards and Honor Societies

1. First position award in the 8th national technology parade in the track of “Business and Social Technologies”. The project title is “Efficient Gas Distribution in Jordan”. 2015.
2. Second position award in the 7th national technology parade in the track of “Defense Technology and Safety Applications”. The project title is “Detective Droid”. 2014.
3. Teaching assistantship from Iowa State University, USA for two years (2011 – 2012).
4. Scholarship from the University of Jordan to pursue PhD in the United States, 2009.
5. Full grant from the Ministry of Higher Education during my Bachelor study (1998 – 2003).
6. First rank in the high school, 1998.

Teaching

Ramzi has taught several classes and laboratories including:

Network Security, Digital Logic, Embedded Systems, Computer Networks, Object oriented and problem solving, networks lab, embedded systems lab, and advanced networks lab.

Languages: Arabic (native)

English (fluent)