



KING SAUD UNIVERSITY
College of Computer and Information Sciences
Department of Computer Science

1. **Name:** Dr. Mznah Abdullah Al-Rodhaan
2. **Administrative Duties:**
 - a. **Vice Chair of Computer Science Department.**
3. **College Committees**
 - a. عضو في لجنة مبنى الطالبات الجديد على مستوى الكلية
4. **Department Committees**
 - a. Graduate Committees
 - b. B.S. Curriculum Development and refinement Committee
 - c. Manpower Committee & Missionees
 - d. Scheduling Committee
 - e. TA's & Lectures Support Committee
5. **Service activities**
 - a. Reviewer for Journal of King Saud University - Computer and Information Sciences.
 - b. Reviewer for International Journal of Ad Hoc and Ubiquitous Computing.

Journal publications (2013-2014):

1. Najla Al-Nabhan, Bowu Zhang, Xiuzhen Cheng Mznah Al-Rodhaan, and Abdullah Al-Dhelaan, "Three Connected Dominating Set Algorithms for Wireless Sensor Networks." accepted for publication by the International Journal of Sensor Networks. [ISI Journal]
2. Ohood Althobaiti, Mznah Al-Rodhaan, and Abdullah Al-Dhelaan, "An Efficient Biometric Authentication Protocol for Wireless Sensor Networks," International Journal of Distributed Sensor Networks, vol. 2013, Article ID 407971, 13 pages, 2013. doi:10.1155/2013/407971. [ISI Journal]
3. Wei Li, Shengling Wang, Yong Cui, Xiuzhen Cheng, Ran Xin, Mznah A. Al-Rodhaan, Abdullah Al-Dhelaan, "AP Association for Proportional Fairness in Multi-rate WLANs" accepted for publication by the ACM/IEEE Transactions on Networking. [ISI Journal]
4. Yuan Le, Liran Ma, Hongjun Yu, Xiuzhen Cheng, Yong Cui, Mznah A. Al-Rodhaan, and Abdullah Al-Dhelaan, "Load Balancing Access Point Association Schemes for

- IEEE 802.11 Wireless Networks,” accepted for publication by the *Springer Personal and Ubiquitous Computing*. [ISI Journal]
5. Adeel Javed, Mznah Al-Rodhaan, Abdullah Al-Dhelaan, “Performance Evaluation of MAODV for VANETs in Urban and Rural Scenarios.” *INFORMATION Journal*, Vol. 16, no. 5, 2013, Pages 3013-302. [ISI Journal]
 6. Nourah Al-Angari and Mznah Al-Rodhaan “Accelerating Signature-Based Broadcast Authentication in Decentralized Wireless Sensor Networks.” *Journal of Theoretical and Applied Information Technology*, Vol. 52, no. 3, 2013.
 7. Najla Al-Nabhan, Mznah Al-Rodhaan, Abdullah Al-Dhelaan, and Xiuzhen Cheng “Connected Dominating Set Algorithms for Wireless Sensor Networks.” *International Journal of Sensor Networks*, Vol. 13, No. 2, 2013, Pages 121-134. [ISI Journal]
 8. Mashael Bin-Sabbar and Mznah Al-Rodhaan “Diabetes Monitoring System Using Mobile Computing Technologies. “*International Journal of Advanced Computer Science and Applications*, Vol. 4, No. 2, 2013, Pages 23-31. [IF = 1.18]
 9. Mznah Al-Rodhaan “Energy Conservation for Multi-Transition Wireless Sensor Networks.” *Egyptian Computer Science Journal*, Vol. 37, no. 1, 2013, Pages 19-30.

Conferences (2013-2014):

1. Yuan Tian, Biao Song, Mznah Al-Rodhaan, Abdullah Al-Dhelaan, Eui-Nam Huh, “Threat-based Evaluation for Context-aware Multimedia Surveillance System. “ The 8th International Conference on Ubiquitous Information Management and Communication, January 9~11, 2014, Siem Reap, Cambodia, ACM, IMCOM 2014.
2. Alharbi, A. Al-Dhalaan and M. Al-Rodhaan "Stability-Aware CPN Routing Protocol for MANET." the 5th International Joint Conference on Computational Intelligence, Portugal Sep 20-23, 2013. [Best Paper Award]
3. Bowu Zhang, Wei Cheng, Limin Sun, Xiuzhen Cheng, Taieb Znati, Mznah A. Al-Rodhaan, and Abdullah Al-Dhelaan, “ Queuing Modeling for Delay Analysis in Many-to-One Wireless Networks under the Protocol Interference Model” The Second ACM Annual International Workshop on Mission-Oriented Wireless Sensor Networking (ACM MiSeNet 2013), In conjunction with ACM MobiCom 2013, Miami, Florida, October, 2013. [Best Paper Award]
4. N. Al-Nabhan, M. Al-Rodhaan, A. Al-Dhelaan, and X. Cheng, “Distributed Algorithm for Connected Dominating Set Construction in Sensor Networks,” in SMC 2013, Manchester, UK, October 2013.
5. N. Al-Nabhan, M. Al-Rodhaan, and A. Al-Dhelaan, “A Distributed Self-Healing Algorithm for Virtual Backbone Construction and Maintenance in Wireless Sensor Networks,” in WISEE, Baltimore, US, November 2013.