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Position: Assistant Professor Tennessee Tech University

Education: 2011: Ph.D. degree, Department of Electrical and Computer Engineering (ECE), University of Waterloo, Canada.
2011-2012: Postdoctoral fellow, University of Waterloo, Canada.
2012-2013: Postdoctoral fellow, Ryerson University, Canada.

Employment: 2013 – present: Tenure-track assistant professor, Electrical and Computer Engineering, Tennessee Tech University, TN, USA.

Awards: - NSERC-PDF award, 2013, $80K for two years, Canadian national award.
- MITACS-PDF award, Mitacs Elevate Fellowship, 2012, $110K, for two years - Canadian national award.
- The Best Paper Award, IEEE International Conference on Communications (IEEE ICC'09), Dresden, Germany, 14-18 June, 2009.

Research interests:

- Security & Privacy in Smart Grid, Vehicular Ad Hoc Network (VANET), Wireless Sensor Network (WSN), LTE-A, Mobile social networks, and eHealthcare System.
- Traffic management in VANETs.
- Cross layer schemes.
- Preserving Base-Station Anonymity in Wireless Ad-hoc Networks
- Electric vehicles to grid communications.
- Optimal and privacy preserving electric vehicles' charging schemes.

Publications:

1. **M. Mahmoud**, J. Misic, K. Akkaya, X. Shen, *"Investigating Public-Key Certificate Revocation in Smart Grid", IEEE Journal on Internet of Things (IoT), to appear.*
2. K. Akkaya, K. Rabieh, **M. Mahmoud**, and S. Tonya, *"Customized Certificate Revocation Lists for IEEE 802.11s based Smart Grid AMI Networks"*, IEEE Transactions on Smart Grid, *to appear*.
3. **M. Mahmoud**, X. Lin, and X. Shen, "*Secure and reliable routing protocols for heterogeneous multihop wireless networks*", IEEE Transactions on Parallel and Distributed Systems (IEEE TPDS), vol.26, no.4, pp. 1140,1153, April 2015.
4. **M. Mahmoud**, S. Taha, J. Misic, and X. Shen, *"Lightweight privacy-preserving and secure communication protocol for hybrid ad hoc wireless networks"*, IEEE Transactions on Parallel and Distributed Systems (IEEE TPDS), vol. 25, no. 8, pp. 2077- 2090, Aug. 2014.
5. K. Rabieh, **M. Mahmoud**, M. Azzer, M. Allam, "*A Secure Event Reporting Scheme for Vehicular Ad Hoc Networks*", Wiley Security and Communication Networks, *to appear*.