# List of Own Publications

1. H. A. Ahmed, H. Salah, J. Robert, A. Heuberger, "A Closed-Form Solution for ALOHA Frame Length Optimizing Multiple Collision Recovery Coefficients' Reading Efficiency," in IEEE Systems Journal , IEEE Early Access Articles

2. H. Salah, H. A. Ahmed, J. Robert and A. Heuberger, "A Time and Capture Probability Aware Closed Form Frame Slotted ALOHA Frame Length Optimization," in IEEE Communications Letters, vol. 19, no. 11, pp. 2009-2012, Nov. 2015.

3. H. Salah, H. A. Ahmed, J. Robert and A. Heuberger, "Multi-Antenna UHF RFID Reader Utilizing Stimulated Rate Tolerance," in IEEE Journal of Radio Frequency Identification, vol. 1, no. 2, pp. 124-134, June 2017.

4. H. Salah, H. A. Ahmed, Joerg Ropert, and Albert Heuberger, "Performance Evaluation of Rate Estimation for UHF RFID Systems," in International Journal of RF Technologies, vol. 7, no. 2-3, pp. 87-104, Nov. 2016

5. H. A. Ahmed, H. Salah, J. Robert and A. Heuberger, "Time aware closed form frame slotted ALOHA frame length optimization," in IEEE Wireless Communications and Networking Conference, Doha, pp. 1-5, Oct. 2016.

6. H. A. Ahmed, H. Salah, J. Robert and A. Heuberger, "A closed form solution for frame slotted ALOHA utilizing time and multiple collision recovery coefficients," in IEEE Topical Conference on Wireless Sensors and Sensor Networks (WiSNet), Austin, TX, pp. 11-14, Apr 2016.

7. H. A. Ahmed, H. Salah, J. Robert and A. Heuberger, "An Efficient RFID Tag Estimation Method Using Biased Chebyshev Inequality for Dynamic Frame Slotted ALOHA," in Smart SysTech, European Conference on Smart Objects, Systems and Technologies, Dortmund, Germany, pp. 1-4, Sept 2014.

8. H. Salah, H. A. Ahmed, J. Robert and A. Heuberger, "A Study of Software Defined Radio Receivers for Passive RFID Systems," in Smart SysTech, European Conference on Smart Objects, Systems and Technologies, Dortmund, Germany, pp. 8-11, Sept 2014.

9. H. A. Ahmed, H. Salah, J. Robert and A. Heuberger, "A New Optimization Criteria For Frame Slotted ALOHA Utilizing Time And The Collision Recovery Coefficients," in Smart SysTech, European Conference on Smart Objects, Systems and Technologies, Aachen, Germany, pp. 1-4, Sept 2015.

10. H. Salah, H. A. Ahmed, J. Robert and A. Heuberger, "FFT Based Rate Estimation for UHF RFID Systems," in Smart SysTech, European Conference on Smart Objects, Systems and Technologies, Aachen, Germany, pp. 10-15, Sept 2015.

11. H. A. Ahmed, H. Salah, J. Robert and A. Heuberger, "Backwards compatible improvement of the EPCglobal class 1 gen 2 standard," in IEEE International Conference on RFID Technology and Applications (RFID-TA), Tokyo, pp. 114-119, Sept. 2015.

12. H. A. Ahmed, H. Salah, J. Robert and A. Heuberger, "A closed form solution for frame slotted ALOHA utilizing time and multiple collision recovery coefficients," in IEEE Topical Conference on Wireless Sensors and Sensor Networks (WiSNet), Austin, TX, pp. 11-14, Jan. 2016.

13. H. Salah, H. A. Ahmed, J. Robert and A. Heuberger, "Maximum Likelihood decoding for non-synchronized UHF RFID tags," in IEEE Topical Conference on Wireless Sensors and Sensor Networks (WiSNet), Austin, TX, pp. 89-92, Jan 2016.

14. H. A. Ahmed, H. Salah, J. Robert and A. Heuberger "A Closed Form Solution For Collision Recovery Aware Number of Tags Estimation", Submitted to IEEE Journal of Radio Frequency Identification.