

LIST OF PUBLICATIONS

Peer-Reviewed Journal Publications:

- [1] **Ruhul Amin Khalil**, Nasir Saeed, Mohammad Inayatullah Babar, Tariqullah Jan, and Sadia Din, "Bayesian Multidimensional Scaling for location Awareness in Hybrid-Internet of Underwater Things", *IEEE/CAA Journal of Automatica Sinica*, September, 2021 (Early Access). **[Impact Factor = 6.171]**
- [2] Junaid Bahadar Khan, Tariqullah Jan, **Ruhul Amin Khalil**, Nasir Saeed, and Muhannad Almutiry, "An Efficient Multistage Approach for Blind Source Separation of Noisy Convolutional Speech Mixture", *Applied Science* 2021, vol: 11, no: 13: 5968. **[Impact Factor = 2.679]**
- [3] Mohammad Haris, **Ruhul Amin Khalil**, and Nasir Saeed, "Polarization Re-Configurable Antenna with Increase gain for Small Satellites", *Springer-Journal of Electrical Engineering and Technology (JEET)*, June 15, 2021. **[Impact Factor = 1.069]**
- [4] **Ruhul Amin Khalil**, Nasir Saeed, Mudassir Masood, Yasaman Moradi Fard, Mohamed-Slim Alouini and Tareq Y. Al-Naffouri, "Deep Learning in the Industrial Internet of Things: Potentials, Challenges and Emerging Applications," in *IEEE Internet of Things Journal*, vol. 8, no. 14, pp. 11016-11040, July, 2021. **[Impact Factor = 9.471]**
- [5] **Ruhul Amin Khalil** and Nasir Saeed, "Optimal Relay Placement in Magnetic Induction-based Internet of Underwater Things," in *IEEE Sensors Journal*, vol. 21, no. 1, pp. 821-828, January 2021. **[Impact Factor = 3.301]**
- [6] **Ruhul Amin Khalil** and Nasir Saeed, "Network Optimization for Industrial Internet of Things (IIoT)," in *IEEE Sensors Letters*, vol. 4, no. 7, pp. 1-4, July 2020. **[Scopus Cite Score= 1.7]**
- [7] Junaid Bahadar Khan, Tariqullah Jan, **Ruhul Amin Khalil**, and Ali Altalbe, "Hybrid Source Prior Based Independent Vector Analysis for Blind Separation of Speech Signals," in *IEEE Access*, vol. 8, issue 1, pp. 132871-132881, 2020. **[Impact Factor = 3.367]**
- [8] **Ruhul Amin Khalil**, Nasir Saeed, Mohammad Inayatullah Babar and Tariqullah Jan, "Towards the Internet of Underwater Things: Recent Developments and Future Challenges", *IEEE Consumer Electronics Magazine*, (Early access article), March 2020. **[Impact Factor = 3.789]**
- [9] **Ruhul Amin Khalil**, Mohammad Inayatullah Babar, Nasir Saeed, Tariqullah Jan and Ho-Shin Cho, "Effect of Link Misalignment in the Optical-Internet of Underwater Things", *Electronics* 2020, vol: 9, no. 4:646. **[Impact Factor = 2.397]**
- [10] **Ruhul Amin Khalil**, Edward Jones, Mohammad Inayatullah Babar, Tariqullah Jan, Mohammad Haseeb Zafar, Thamer Alhussain, "Emotion Recognition Using Deep Learning Techniques: A Review", in *IEEE Access*, vol. 7, issue 1, pp. 117327-117345, 2019. **[Impact Factor = 3.367]**
- [11] Kashif Noor, Tariqullah Jan, Mohammed Basher, Amjad Ali, **Ruhul Amin Khalil**, Mohammad Haseeb Zafar, Majad Ashraf, M. Inayatullah Babar, and S. Waqar Shah, "Performances Enhancement of Fingerprint Recognition System Using Classifiers," in *IEEE Access*, vol. 7, issue 1, pp. 5760-5768, 2019. **[Impact Factor = 3.367]**

- [12] Sabir Shah, Majid Ashraf, Nasir Saeed, Tariqullah Jan, **Ruhul Amin Khalil**, M. Inayatullah Babar, Gulzar Ahmad, and Syed Waqar Shah, "Path Loss Model for Future Terahertz Wireless Communication Systems", *Proceedings of the Pakistan Academy of Sciences: Physical and Computational Sciences*, Vol.56, No. 2, pp.43-52, 2019. **[X-category]**
- [13] S. Shoaib Ullah Shah, Majid Ashraf, **Ruhul Amin Khalil**, Tariqullah Jan, M Inayatullah Babar, S. Waqar Shah, Gulzar Ahmad, "Implementing Enhanced MIMO with F-OFDM to Increase System Efficiency for Future 5G Cellular Networks", *International Journal of Communication Networks and Information Security (IJCNIS)*, Vol.10, No. 2, pp.403-409, 2018. **[X-category]**
- [14] **Ruhul Amin Khalil**, S. M. Majid Ashraf, Tariqullah Jan, Asiya Jehangir, Junaid Bahadar Khan, "Enhancement of speech signals using multiple statistical models", *Sindh University Research Journal (Science Series)*, Vol: 47(3), pages: 519-522, 2015. **[X-category]**

Conference Proceedings:

- [1] **Ruhul Amin Khalil**, Nasir Saeed, Tariqullah Jan, Majid Ashraf, "Multiple Object Localization in Underwater Wireless Communication using the Theory of Gravitation", 25th IEEE International Conference on Mechatronics and Machine Vision in Practice (M2VIP), Stuttgart, Germany, 2018.
- [2] Tariqullah Jan, Haseeb Zafar, **Ruhul Amin Khalil**, and Majid Ashraf, "A Blind Source Separation Approach Based on IVA for Convolutional Speech Mixtures". 8th Computer Science and Electronic Engineering (CEECE), Colchester England, United Kingdom, 2016.
- [3] Asiya Jehangir, Mohammad Inayatullah Babar, Nauman Khurshid, **Ruhul Amin Khalil**, Seema Akbar, "EETRNRP: Energy Efficient Two Relay Node Routing Protocol for Sensor Networks", IEEE International Conference on Emerging Technologies (ICET), Islamabad, 2012.