

## Journal Publications

1. **Umara Noor**, Zahid Anwar, Asad Waqar Malik, Sharifullah Khan, Shahzad Saleem, “A machine learning framework for investigating data breaches based on semantic analysis of adversary's attack patterns in threat intelligence repositories.” **In Elsevier Future Generation Computer Systems**, 95: 467-487, 2019 (IF: 7.187)
2. **Umara Noor**, Zahid Anwar, Tehmina Amjad, Kim Kwang Raymond Choo, “A machine learning-based FinTech cyber threat attribution framework using high-level indicators of compromise.” **In Elsevier Future Generation Computer Systems**, 96: 227-242 (2019) (IF: 7.187)
3. **Umara Noor**, Zahid Anwar, Jörn Altmann, Zahid Rashid “Customer-oriented ranking of cyber threat intelligence service providers.” **In Elsevier Electronic Commerce Research and Applications**, 41: 100976, (2020) (IF: 5.6)
4. Zahid Rashid, **Umara Noor**, Jörn Altmann, “Economic model for evaluating the value creation through information sharing within the cybersecurity information sharing Ecosystem.” **In Future Generation Computer Systems**, 124: 436-466 (2021) (IF: 7.187)
5. Sarwat Ejaz, **Umara Noor**, and Zahid Rashid. "Visualizing Interesting Patterns in Cyber Threat Intelligence Using Machine Learning Techniques." **In Cybernetics and Information Technologies** 22, no. 2 (2022): 96-113.

## Conference Publications

1. **Umara Noor**, Zahid Anwar, Zahid Rashid, “An Association Rule Mining-Based Framework for Profiling Regularities in Tactics Techniques and Procedures of Cyber Threat Actors”, **In International Conference on Smart Computing and Electronic Enterprise, (IEEE ICSCEE), July 11-12, 2018, Kuala Lumpur, Malaysia** (DOI: 10.1109/ICSCEE.2018.8538379)
2. Zahid Rashid, **Umara Noor**, Jörn Altmann, “Network Externalities in Cybersecurity Information Sharing Ecosystems” **In 15th International Conference on Economics of Grids, Clouds, Systems, and Services GECON 2018, Springer LNCS, September 18-20, Pisa, Italy** (DOI [https://doi.org/10.1007/978-3-030-13342-9\\_10](https://doi.org/10.1007/978-3-030-13342-9_10))
3. **Umara Noor**, Zahid Rashid, “Secure Semantic Web Application Development: Present and Future”, **In 15th International Conference on Distributed Computing and**

**Applications to Business, Engineering and Science (IEEE-DCABES 2016), August 24-26, 2016 - Paris, France (DOI: 10.1109/CSE-EUC-DCABES.2016.263)**

4. **Umara Noor**, Anila Ghazanfar, “A Survey Revealing Path towards Service Life Cycle Management in COBIT 5”, **In 11th International Conference on Digital Information Management (IEEE-ICDIM) September 19-21, 2016- Porto, Portugal (DOI: 10.1109/ICDIM.2016.7829754)**
5. **Umara Noor**, Zahid Anwar, Yasir Mehmood, Waseem Aslam, “TrustBook: Web of Trust Based Relationship Establishment in Online Social Networks”, **In 11<sup>th</sup> International Conference on Frontiers of Information Technology (IEEE-FIT) December 16-18, 2013, Islamabad, Pakistan (DOI: 10.1109/FIT.2013.48)**
6. **Umara Noor**, Ali Daud, Ayesha Manzoor, “Latent Dirichlet Allocation Based Semantic Clustering of Heterogeneous Deep Web Sources” **In 5th International Conference on Intelligent Networking and Collaborative Systems (IEEE-INCoS) , September 9-11, 2013, Xi'an city, Shaanxi province, China (DOI: 10.1109/INCoS.2013.28)**
7. **Umara Noor**, Zahid Rashid, Azhar Rauf: “TODWEB: training-less ontology based deep web source classification”, **In 13th International Conference on Information Integration and Web-based Applications and Services (ACM-iiWAS), December 5-7, 2011, Ho Chi Minh City, Vietnam (DOI: 10.1145/2095536.2095569)**