

## Journal Publications:

1. Abdul Chowdhury, Gour Karmakar, Joarder Kamruzzaman, Iqbal Gondal, "A Smart Priority Based Traffic Control System for Emergency Vehicles" IEEE Sensors Journal, Impact Factor: 3.78, 2020
2. Paul Black, Iqbal Gondal, Peter Vamplew, Arun Lakhota "Function Similarity Using Family Context", Electronics, Computer Science & Engineering Journal Impact Factor 2.412, 2020
3. Md. Ashraf Uddin, Andrew Stranieri, Iqbal Gondal, Venki Balasubrammanian, "Rapid Health Data Repository Allocation using Predictive Machine Learning" Health Informatics Journal, SAGE Publishing, Impact factor: 2.297, 2020
4. Attiq Ur-Rehman, Iqbal Gondal, Joarder Kamruzzaman, Alireza Jolfaei, "Vulnerability Modelling for Hybrid Industrial Control System Networks" Journal of Grid Computing, Impact factor: 4.29, Q1, 2020
5. Usman Muhammad, Jolfaei, Alireza, Gondal, Iqbal & Kant, Krishna., Anurag Srivastava, Sukumar Kamalasan, "Guest Editorial Special Issue on Security, Reliability, Privacy, and Quality in Industrial Automation and Control", IEEE Transactions on Industry Applications, Q1, Impact factor 2.937, 2020
6. Jolfaei, Alireza & Ostovari, Pouya & Alazab, Mamoun & Gondal, Iqbal & Kant, Krishna. (2020). Guest Editorial Special Issue on Privacy and Security in Distributed Edge Computing and Evolving IoT. IEEE Internet of Things Journal. 7. 2496-2500. 10.1109/JIOT.2020.2980103 Q1 Impact factor 9.515, 2020
7. Khraisat, A.; Gondal, I.; Vamplew, P.; Kamruzzaman, J.; Alazab, A., "Hybrid Intrusion Detection System Based on the Stacking Ensemble of C5 Decision Tree Classifier and One Class Support Vector Machine", Electronics Journal, 9, 173. Impact factor: 1.754, 2020
8. Md. Ashraf Uddin, Andrew Stranieri, Iqbal Gondal, Venki Balasubrammanian, "Blockchain Leveraged Decentralized IoT eHealth Framework" Journal of Internet of Things Cyber Physical Human Systems, ELSEVIER publisher, Impact factor:1.764, 2020
9. Md. Ashraf Uddin, Andrew Stranieri, Iqbal Gondal, Venki Balasubrammanian, "A Lightweight Blockchain Based Framework for Underwater IoT" Electronics Journal, Impact factor:1.764, 2020
10. Mahbub E Khoda, Tasadduq Imam, Joarder Kamruzzaman, Iqbal Gondal and Ashfaqur Rahman "Robust Malware Defense in Industrial IoT Applications using Machine Learning with Selective Adversarial Samples" IEEE Transactions on Industry Applications, I.F. 3.347, 2020
11. Sona Taheri, Iqbal Gondal, Adil Bagirov, Simon Brown, "Cyber-attack Triage using Incremental Clustering for Intrusion Detection Systems" International Journal of Information Security, I.F. 1.822, 2020
12. Ansam Khraisat; Iqbal Gondal; Peter Vamplew; Joarder Kamruzzaman, Ammar Alazab, "A novel Ensemble of Hybrid Intrusion Detection System for Detecting Internet of Things Attacks, Journal *Electronics* (ISSN 2079-9292; CODEN: ELECGJ), 2019, I.F. 1.764
13. Ansam Khraisat; Iqbal Gondal; Peter Vamplew; Joarder Kamruzzaman, "Survey of Intrusion Detection Systems: Techniques, Datasets and Challenges" Cybersecurity Journal, Springer 2019 IF. 1.822

14. Md. Ashraf Uddin, Andrew Stranieri, Iqbal Gondal, Venki Balasubrammanian, "Continuous Patient Monitoring With a Patient Centric Agent: A Block Architecture" IEEE Access Journal, Impact factor:3.6, 2018
15. Paul Black, Iqbal Gondal, Robert Layton, "A Survey of Similarities in Banking Malware Behaviours, Journal of Computers & Security 2017 , impact factor 2.85
16. Sattar Seifollahi, Adil Bagirov, Robert Layton, Iqbal Gondal, "Optimization Based Clustering Algorithms for Authorship Analysis of Phishing Emails" Journal Neural Process Letters, DOI 10.1007/s11063-017-9593-7, impact factor: 1.75, 2017
17. Mandy Truong, Lisa Gibbs, Veronika Pradel, Michal Morris, Pauline Gwatarisa, Maryanne Tadic, Andrea de Silva, Martin Hall, Dana Young, Elisha Riggs, Hanny Calache, Mark Gussy, Richard Watt, Iqbal Gondal, Elizabeth Waters, "A Cultural Competence Organizational Review for Community Health Services: Insights From a Participatory Approach", Journal of Health Promotion Practice, 2017
18. Kopp, C., Sillitoe, J., Gondal, I., "I am your perfect online partner" analysis of dating profiles used in cybercrime", Asia Pacific Journal of Contemporary Education and Communication Technology ISSN: 2205-6181, 2017

### **Book Chapters and Lecture Notes:**

19. Paul Black, Iqbal Gondal, Peter Vamplew, Arun Lakhota "Reanimating Historic Malware Samples", Book: Malware Analysis using Artificial Intelligence and Deep Learning, 2020
20. Khraisat, A.; Gondal, I.; Vamplew, P.; Kamruzzaman, J.; Alazab, A., "A Low-Level Intrusion Detection System Based on Hardware Performance Counters", Malware Analysis using Artificial Intelligence and Deep Learning, Springer 2020
21. Sean Park, Iqbal Gondal, Joarder Kamruzzaman, Jon Oliver, "Comparative Study on Machine Learning Methods to Detect Metamorphic Threats" Malware Analysis using Artificial Intelligence and Deep Learning" Springer, 2020.
22. Christian Kopp, Robert Layton, Iqbal Gondal, Jim Sillitoe, "Ethical considerations when using online datasets for research purposes" Book chapter, Automating open source intelligence: Algorithms for OSINT, Elsevier 2016

### **Conference Publications:**

23. Shaoning Pang, Tao Ban, Youki Kadobayashi, Jungsuk Song, Kaizhu Huang, Geongsen Poh, Iqbal Gondal, Kitsuchart Pasupa and Fadi Aloul, "CDMC'19- the 10th International Cybersecurity Data Mining Competition" 27th International Conference on Neural Information Processing (ICONIP 2020), ERA A 2020
24. Paul Black, Ammar Sohail, Iqbal Gondal, Joarder Kamruzzaman, Peter Vamplew, Paul Watters "API Based Discrimination of Ransomware and Benign Cryptographic Programs" 27th International Conference on Neural Information Processing (ICONIP 2020), ERA A 2020

25. Mahbub E Khoda, Tasadduq Imam, Joarder Kamruzzaman, Iqbal Gondal and Ashfaqur Rahman, "Mobile Malware Detection with Imbalanced Data using a Novel Synthetic Oversampling Strategy and Deep Learning" WiMob 2020
26. Ikram Ul Haq, Iqbal Gondal, Peter Vamplew, "Unified Expression Ripple Down Rules based Fraud Detection Technique for Scalable Data" 20th Industrial Conference on Data Mining ICDM'2020
27. Sean Park, Iqbal Gondal, Joarder Kamruzzaman, "Neural Malware Detection" Cyber Defence Next Generation Technology & science Conference (CDNG) 2020
28. Md Moniruzzaman, Adil Bagirov and Iqbal Gondal, "Partial Undersampling of Imbalanced Data for Cyber Threats Detection" Australasian Information Security Conference (AISC 2020)
29. Md Ashraf Uddin, Andrew Stranieri, Iqbal Gondal, Venki Balasubramanian, "Dynamically Recommending Repositories for Health Data: a Machine Learning Model" HIKM 2020
30. Ikram Ul Haq, Iqbal Gondal, Peter Vamplew, "Enhancing Model Performance for Fraud Detection by Feature Engineering and Compact Unified Expressions" International Conference on Algorithms and Architectures for Parallel Processing Melbourne, ICA3PP, 2019
31. Sean Park, Iqbal Gondal, Joarder Kamruzzaman, Jon Oliver, "Instruction Cognitive One-Shot Malware Outbreak Detection" International Conference on Neural Information Processing (ICONIP2019)
32. Md Ashraf Uddin, Andrew Stranieri, Iqbal Gondal, Venki Balasubramanian, "A Decentralized Patient Agent Controlled Blockchain for Remote Patient Monitoring" WiMob 2019
33. Md Ashraf Uddin, Andrew Stranieri, Iqbal Gondal, Venki Balasubramanian, "*Blockchain Leveraged Task Migration in Body Area Sensor Networks*" Asia-Pacific Conference on Communications (APCC) 2019
34. Paul Black, Iqbal Gondal, Peter Vamplew and Arun Lakhota, "Evolved Similarity Techniques in Malware Analysis" Trustcom2019
35. Mahbub E Khoda, Tasadduq Imam, Joarder Kamruzzaman, Iqbal Gondal and Ashfaqur Rahman, "Selective Adversarial Learning for Mobile Malware" Trustcom2019
36. Sean Park, Iqbal Gondal, Joarder Kamruzzaman, Leo Zhang One-Shot Malware Outbreak Detection using Spatio-Temporal Isomorphic Dynamic Features, Trustcom2019
37. Wendy Burke, Taiwo Oseni, Alireza Jolfaei, Iqbal Gondal, "Cybersecurity Indexes for eHealth" 12th Australasian Conference on Health Informatics and Knowledge Management 2019
38. Sean Park, Iqbal Gondal, Joarder Kamruzzaman, "Generative Malware Outbreak Detection" Security Hardening of Industrial IoT Systems, *IEEE-ICIT 2019*
39. Md Ashraf Uddin, Andrew Stranieri, Iqbal Gondal, Venki Balasubramanian, "An Efficient Selective Miner Consensus Protocol in Blockchain Oriented IoT Smart Monitoring" Security Hardening of Industrial IoT Systems, *IEEE-ICIT 2019*
40. Mahbub E Khoda, Joarder Kamruzzaman, Iqbal Gondal, Tasadduq Imam, Ashfaqur Rahman, "Mobile Malware Detection: An Analysis of Deep Learning Model" Security Hardening of Industrial IoT Systems, *IEEE-ICIT 2019*

41. Sona Taheri, Iqbal Gondal, Adil Bagirov, Greg Harkness, Simon Brown, CHihung Chi, "Multi-Source Cyber-Attacks Detection using Machine Learning" Security Hardening of Industrial IoT Systems, *IEEE-ICIT 2019*
42. Attiq Ur-Rehman, Iqbal Gondal, Joarder Kamruzzaman, Alireza Jolfaei, "Vulnerability Modelling for Hybrid IT Systems" Security Hardening of Industrial IoT Systems, *IEEE-ICIT 2019*
43. Ikram ullaah, Iqbal Gondal, Peter Vamplew, Simon Brown, "Categorical Features Transformation with Compact One-hot Encoder for Fraud Detection in Distributed Environment" The Australasian Data Mining Conference 2018
44. Mahbub E Khoda, Joarder Kamruzzaman, Iqbal Gondal, Tasadduq Imam "Mobile Malware Detection - an Analysis of the Impact of Feature Categories", International Conference on Neural Information Processing (ICONIP2018) ERA A
45. Md. Ashraf Uddin, Andrew Stranieri, Iqbal Gondal, Venki Balasubrammanian, "A Patient Agent to Manage Blockchains for Remote Patient Monitoring" Global Telehealth 2018
46. Ansam Khraisat, Iqbal Gondal, Peter Vamplew, Simon Brown, "An Anomaly Intrusion Detection System Using C5 Decision Tree Classifier" AWMLC18: Australasian Workshop on Machine Learning for Cyber-security, The 22nd Pacific-Asia Conference on Knowledge Discovery and Data Mining, PAKDD 2018
47. Md Moniruzzaman, Adil Bagirov and Iqbal Gondal "A server side solution for detecting WebInject: A machine learning approach" AWMLC18: Australasian Workshop on Machine Learning for Cyber-security, The 22nd Pacific-Asia Conference on Knowledge Discovery and Data Mining, PAKDD 2018
48. Md. Mamunur Rashid, Iqbal Gondal, Joarder Kamruzzaman, Rafiul Hassan "Periodic Associated Sensor Patterns Mining from Wireless Sensor Networks", International Conference on Neural Information Processing (ICONIP2017) ERA A
49. Luoxi Pan, Iqbal Gondal and Robert Layton, "Improving Authorship Attribution in Twitter Through Topic Modelling" The 30th Australasian Joint Conference on Artificial Intelligence, 2017
50. Kopp, C., Sillitoe, J.F., Gondal, I. and Layton, R. (2016). "I am your perfect online dating partner": Narrative analysis of Romance Scam profiles, In Proceedings of the 4th Asia Pacific Conference on Advanced Research (APCAR-2017).
51. Shahriar Kaiser, Joarder Kamruzzaman, Gour Chandra Karmakar and Iqbal Gondal, "Dynamic Content Distribution for Decentralized Sharing in Tourist Spots using Demand and Supply" IWCMC 2017 ERA A
52. Ikram ullaah, Iqbal Gondal, Peter Vamplew, Robert Layton, "Generating Synthetic Datasets for Experimental Validation of Fraud Detection" The Australasian Data Mining Conference 2016
53. Anwaar Ulhaq, Yunchan Zhang and Iqbal Gondal, "A robust space-time Correlation Filter for Action Recognition in clutter and adverse lighting conditions" ACIVS 2016 ERA A
54. Md. Mamunur Rashid, Iqbal Gondal, Joarder Kamruzzaman, "An Efficient Data Extraction Framework for Mining Wireless Sensor Networks", International Conference on Neural Information Processing (ICONIP2016) ERA A

55. Shahriar Kaiser, Joarder Kamruzzaman, Gour Chandra Karmakar and Iqbal Gondal, "Carry Me If You Can: A Utility Based Forwarding Scheme for Content Sharing in Tourist Destinations)" APCC 2016
56. Kopp, C., Sillitoe, J., Gondal, I., & Layton, R, "Online Romance Scam: Expensive e-Living for romantic happiness" Conference Paper (Bled-e Slovenia), 2016