

Intellectual Contributions

Kennesaw State University
January 1, 2020 - December 31, 2020

Department of Computer Science

Aledhari, Mohammed (Assistant Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Yazdinejad, A., Srivastava, G., Meimandi Parizi, R., Dehghantanha, A., Choo, K. R., Aledhari, M. (2020). Decentralized Authentication of Distributed Patients in Hospital Networks using Blockchain. *IEEE Journal of Biomedical and Health Informatics*, 1-1, .. <https://ieeexplore.ieee.org/document/8970497/authors>Peer Review - Refereed

Journal Article, Academic Journal (Published)

Yazdinejad, A., Meimandi Parizi, R., Dehghantanha, A., Karimipour, H., Srivastava, G., Aledhari, M. (2020). Enabling Drones in the Internet of Things with Decentralized Blockchain-based Security. *IEEE Internet of Things Journal*, 1-1, .Peer Review - Refereed

Journal Article, Academic Journal (Published)

Aledhari, M., Razzak, R., Meimandi Parizi, R., Saeed, F. (2020). Federated Learning: A Survey on Enabling Technologies, Protocols, and Applications. *IEEE Access*, 1-1, .. <https://ieeexplore.ieee.org/abstract/document/9153560>Peer Review - Refereed

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Aledhari, M., Razzak, R., Parizi, R. M., Srivastava, G. (2020). Deep Neural Networks for Detecting Real Emotions Using Biofeedback and Voice.

Conference Proceedings

Conference Proceeding (Published)

Aledhari, M., Razzak, R. (2020). An Adaptive Segmentation Technique to Detect Brain Tumors Using 2D Unet. *2020 IEEE International Conference on Bioinformatics and Biomedicine (BIBM)* (pp. 2328--2334).

Conference Proceeding (Accepted)

Aledhari, M. (in press). *A Deep Recurrent Neural Network to Support Guidelines and Decision Making of Social Distancing*. 2020 IEEE International Conference on Big Data (IEEE BigData 2021).

Conference Proceeding (Accepted)

Aledhari, M. (in press). *Machine Learning for Network Application Security: Empirical Evaluation and Optimization*. Elsevier, Computers and Electrical Engineering Journal.

Aygun, Ramazan (Associate Professor)

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Tran, T. X., Pusey, M. L., Aygun, R. (2020). Protein crystallization segmentation and classification using subordinate color channel in fluorescence microscopy images. *Journal of fluorescence*, 30(3), 637--656, .

Journal Article, Academic Journal (Published)

Subedi, S., Dinc, I., Tran, T. X., Sharma, D., Shrestha, B. R., Pusey, M. L., Aygun, R. (2020). Visual-x2: interactive visualization and analysis tool for protein crystallization. *Network Modeling Analysis in Health Informatics and Bioinformatics*, 9(1), 1--13, .

Journal Article, Academic Journal (Published)

Tran, T. X., Aygun, R. (2020). WisdomNet: trustable machine learning toward error-free classification. *Neural Computing and Applications*, 1--16, .

Journal Article, Academic Journal (Accepted)

Mercan, S., Cebe, M., Aygun, R., Akkaya, K., Toussaint, E., Danko, D. (in press). Blockchain-based video forensics and integrity verification framework for wireless Internet-of-Things devices. *To appear in Security and Privacy*, e143, .

Conference Proceedings

Conference Proceeding (Published)

William, F., Aygun, R., Zhu, F. (2020). ERP Template Matching for EEG Single Trial Classification. *2020 IEEE International Conference on Bioinformatics and Biomedicine (BIBM)* (pp. 2876--2883).

Conference Proceeding (Published)

Tran, T., Pusey, M., Aygun, R. (2020). Mobile Fluorescence Imaging and Protein Crystal Recognition. *2020 IEEE 33rd International Symposium on Computer-Based Medical Systems (CBMS)* (pp. 83--88).

Conference Proceeding (Published)

Rabieh, K., Mercan, S., Akkaya, K., Baboolal, V., Aygun, R. (2020). Privacy-preserving and efficient sharing of drone videos in public safety scenarios using proxy re-encryption. *2020 IEEE 21st International Conference on Information Reuse and Integration for Data Science (IRI)* (pp. 45--52).

Clincy, Victor (Professor)

Conference Proceedings

Conference Proceeding (Published)

Gomez, A., Shahriar, H. M., Clincy, V. A., Shalan, A. (2020). *Hands-on Lab on Smart City Vulnerability Exploitation* (pp. 1777-1782). Proc. of 44th IEEE Computer Society Signature Conference on Computers, Software and Applications: Proc. of 44th IEEE Computer Society Signature Conference on Computers, Software and Applications. Peer Review - Refereed

Conference Proceeding (Accepted)

Zhao, W., Shahriar, H. M., Clincy, V. A., Bhuiyan, M. Z. A. (2020). *Security and Privacy Analysis of Mhealth Application: A Case Study* (pp. 6). IEEE: The 19th IEEE International Conference on Trust, Security and Privacy in Computing and Communications. <http://ieeetrustcom.org/TrustCom2020/home.htm> Peer Review - Refereed

Haddad, Hisham (Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Accepted)

Shahriar, H. M., Haddad, H. M., Farhadi, M. (2021). Assessing HIPAA Compliance of Open Source Electronic Health Record Applications. *To appear in International Journal of Information Security and Privacy*, 15(2, Article 9), 13 pages, ., <https://www.igi-global.com/journal/international-journal-information-security-privacy/1096> Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)

Masum, M., Shahriar, H. M., Haddad, H. M., Sneha, S., Ahamed, S., Rahman, M. (2020). *Actionable Knowledge Extraction Framework for COVID-19* (pp. 5). IEEE: IEEE Big Data 2020. Peer Review - Refereed

Conference Proceeding (Published)

Masum, M., Shahriar, H. M., Haddad, H. M., Alam, M. (2020). *r-LSTM: Time Series Forecasting for COVID-19 Confirmed Cases with LSTM-based Framework* (pp. 6). IEEE: IEEE Big Data 2020. Peer Review - Refereed

Conference Proceeding (Published)

Vundavalli, V., Barsha, F., Masum, M., Shahriar, H. M., Haddad, H. M. (2020). *Malicious URL Detection Using Supervised Machine Learning Techniques* (pp. 11). ACM: 13th International Conference on Security of Information and Networks. <https://www.sinconf.org/> Peer Review - Refereed

Conference Proceeding (Published)

Masum, M., Shahriar, H. M., Haddad, H. M. (2020). *Epileptic Seizure Detection for Imbalanced Datasets Using an Integrated Machine Learning Approach* (pp. 5416-5419). In 42nd Annual International Conference of the IEEE Engineering in Medicine and Biology Society. <https://ieeexplore.ieee.org/document/9175632> Peer Review - Refereed

Conference Proceeding (Published)

Masum, M., Shahriar, H., Haddad, H. M. (2020). *Analysis of Sampling Techniques Towards Epileptic Seizure Detection from Imbalanced Dataset* (pp. 684-692). IEEE Computer Society: Proc. of 44th IEEE Computer Society Signature Conference on Computers, Software and Applications. <https://ieeexplore.ieee.org/document/9202532> Peer Review - Refereed

Conference Proceeding (Published)

Li, Z., Zhang, H., Masum, M., Shahriar, H., Haddad, H. M. (2020). *Cyber Fraud Prediction with Supervised Machine Learning Techniques* (pp. 176-180). ACM: ACM Southeast Conference. <http://hadiz.myweb.usf.edu/ACMSE/index.html> Peer Review - Refereed

He, Selena (Associate Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Accepted)

Tian, S., He, S., Han, M. (2021). Data-driven Approaches in FinTech: A Survey. *To appear in Information Discovery and Delivery*, ., Impact Factor: 7.462 Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)

He, S., Han, M., Yu, L., Mei, C. (2020). *Lung Pattern Classification Via DCNN*. IEEE BigData 2020.

Conference Proceeding (Published)

Podrazhansky, A., Zhang, H., Han, M., He, S. (2020). A Chatbot-based Mobile Application to Predict and Early-prevent Human Mental Illness. *Proceedings of the 2020 ACM Southeast Conference* (pp. 311--312).

Conference Proceeding (Published)

Xu, X., He, S., Han, M., Meimandi Parizi, R., Srivastava, G. (2020). Budget Feasible Roadside Unit Allocation Mechanism in Vehicular Ad-Hoc Networks. *2020 IEEE 91st Vehicular Technology Conference (VTC2020-Spring)* (pp. 1-5).

Conference Proceeding (Published)

He, S., Han, M., Zheng, G., Ray, H. E. (2020). Implementing Capsule Neural Networks in Traffic Light Image Recognition. *Proceedings of the 2020 ACM Southeast Conference* (pp. 301--302).

Conference Proceeding (Published)

Li, Z., Han, M., Tian, S., He, S. (2020). *A Theory-Based Course Development Framework: A Case Study*. SIGITE2020. Peer Review - Refereed

Conference Proceeding (Published)

He, S. (2020). *Fine-grained Aspect Sentiment Analysis to Capture Customer Insight: A Flight Review Practical Study*. Southern Data Science Conference (SDSC 2020).

Conference Proceeding (Published)

He, S. (2020). *Long Range Iris Recognition a reality or a Myth?*. ACMSE2020.

Conference Proceeding (Published)

Wan, M., Han, M., Li, L., Li, Z., He, S. (2020). *Effects of and Defenses Against Adversarial Attacks on a Traffic Light Classification CNN* (pp. 94-99). ACM SE '20: Proceedings of the 2020 ACM Southeast Conference. Peer Review - Refereed

Conference Proceeding (Published)

Vyas, J. D., Han, M., Li, L., Pouriyeh, S., He, S. (2020). Integrating Blockchain Technology into Healthcare. *Proceedings of the 2020 ACM Southeast Conference*. ACMSE. <http://dx.doi.org/10.1145/3374135.3385280>

Conference Proceeding (Published)

He, S., Han, M. M., Patel, N., Li, Z. (2020). *Converting Handwritten Text to Editable Format via Gesture Recognition for Education*. SIGCSE2020. Peer Review - Refereed

Conference Proceeding (Published)

Zhang, Y., Han, M. M., He, S. (2020). *Seeking the Goals of K-12 Computing Education*. SIGCSE. Peer Review - Refereed

Conference Proceeding (Published)

Zhou, Y., Han, M., He, S., Liu, L., Xu, X., Gao, X. (2020). *Abnormal Activity Detection in Edge Computing: A Transfer Learning Approach*. International Conference on Computing, Networking and Communications (ICNC 2020). Peer Review - Refereed

Conference Proceeding (Accepted)

He, S. (2021). *Constructing a React Web Application for College Research Faculty and Students*. National Conferences on Undergraduate Research 2021.

Conference Proceeding (Accepted)

He, S. (2021). *Robust Efficient Accurate License Plate and Character Detection System Based on Simplified CNN*. National Conferences on Undergraduate Research 2021.

Hoganson, Ken (Professor)

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Hoganson, K. E. (Published). D: TEMP An Embedded Design Tool Targeting Multiprocessor Platforms.

Hossain, Mokter (Lecturer)

Non-Refereed Journal Articles

Journal Article, Professional Journal (Submitted)

Hossain, M. (under review). Better Prevention of Covid-19 and Infectious Diseases in Islam: A Scientific Review. *European Journal of Molecular & Clinical Medicine – Q4*, .

Hung, Chih-Cheng (Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Cao, H., Liu, H., Song, E., Ma, G., Xu, X., Jin, R., Liu, T., Hung, C.-C. (2020). A new data augmentation method based on local image warping for medical image segmentation. *Medical Physics*, ., 201 Robin Rd SEPeer Review - Refereed

Journal Article, Academic Journal (Published)

Fang, M., Bai, X., Zhao, J., Yang, F., Hung, C.-C., Liu, S. (2020). Integrating Gaussian mixture model and dilated residual network for action recognition in videos. *Multimedia Systems (Springer)*, 26, 715–725(2020), .Peer Review - Refereed

Journal Article, Academic Journal (Published)

Cao, H., Liu, H., Song, E., Ma, G., Xu, X., Jin, R., Liu, T., Hung, C.-C. (2020). A two-stage convolutional neural network architecture for lung nodule detection. *IEEE Journal of Biomedical and Health Informatics*, 24(7), 2006 - 2015, .Peer Review - Refereed

Journal Article, Academic Journal (Published)

Long, J., Ma, G., Liu, H., Song, E., Hung, C.-C., Xu, X., Jin, R., Zhuang, Y., Liu, D. (2020). Cascaded Hybrid Residual U-Net for Glioma Segmentation. *MULTIMEDIA TOOLS AND APPLICATIONS (Springer)*, 79, pages 24929–24947, .Peer Review - Refereed

Journal Article, Academic Journal (Published)

Liu, H., Xu, L., Song, E., Jin, R., Hung, C.-C. (2020). Automatic labeling of brain tissues in MR images through spatial indexes based hybrid atlas forest. *IET Image Processing*, .Peer Review - Refereed

Journal Article, Academic Journal (Published)

Varniab, M., Hung, C.-C. (2020). Data Mining and Image Analysis Using Genetic Programming. *2019 ACM SIGAPP Applied Computing Review*, 19(4), ., <https://doi.org/10.1145/3381307.3381311>Peer Review - Refereed

Journal Article, Academic Journal (Published)

Cao, H., Liu, H., Song, E., Hung, C.-C., Ma, G., Xu, X., Jin, R., Lu, J. (2020). Dual-branch residual network for lung nodule segmentation. *Applied Soft Computing*, 86, 105934, .Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)

Hammami, M., Bechikh, S., Hung, C.-C., Said, L. B. (2020). *Class-Dependent Weighted Feature Selection as a Bi-level Optimization Problem*. The 27th International Conference on Neural Information Processing (ICONIP 2020).Peer Review - Refereed

Conference Proceeding (Published)

Gardner, N., Tekes, C., Weinberg, N., Ray, N., Duran, J., Housley, N., Wu, D., Hung, C.-C. (2020). *EMG Based Simultaneous Wrist Motion Prediction Using Reinforcement Learning*. Marietta: The 20th IEEE International Conference on Bioinformatics and BioEngineering (BIBE 2020). 201 Robin Rd SEPeer Review - Refereed

Conference Proceeding (Published)

Wong, M., Hung, C.-C. (2020). *Dimensionality Reduction with Weighted K-Means for Hyperspectral Image Classification*. 2020 IEEE International Geoscience & Remote Sensing Symposium (IGARSS 2020).Peer Review - Refereed

Conference Proceeding (Published)

Mallapragada, S., Hung, C.-C. (2020). *Statistical Perspective of SOM and CSOM for Hyperspectral Image Classification*. 2020 IEEE International Geoscience & Remote Sensing Symposium (IGARSS 2020).Peer Review - Refereed

Conference Proceeding (Published)

Hung, C.-C. (2020). *Class Dependent Feature Construction as a Bi-level Problem*. 2020 IEEE Congress on Evolutionary Computation (CEC).Peer Review - Refereed

Conference Proceeding (Published)

Boutaib, S., Bechikh, S., Hung, C.-C., Coello, C. O., Said, L. B. (2020). *Handling Uncertainty in Code Smells Detection Using A Possibilistic SBSE Approach*. ACM The Genetic and Evolutionary Computation Conference (GECCO).Peer Review - Refereed

Karakaya, Mahmut (Assistant Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Hacisoftaoglu, R. E., Karakaya, M. (2020). Comparison of Smartphone-based Retinal Imaging Systems for Diabetic Retinopathy Detection using Deep Learning. *BMC Bioinformatics*, 21, .Peer Review - Refereed

Journal Article, Academic Journal (Published)

Karakaya, M., Hacisoftaoglu, R. E., Sallam, A. B. (2020). Deep Learning Framework for Diabetic Retinopathy Detection with Smartphone-based Retinal Imaging Systems. *Pattern Recognition Letters*, 135, 409-417, .Peer Review - Refereed

Non-Refereed Journal Articles

Journal Article, Academic Journal (Submitted)

Jalilian, E., Karakaya, M., Uhl, A. (under review). CNN Based Off-angle Iris Segmentation and Recognition. *IET Biometrics*, .

Conference Proceedings

Conference Proceeding (Published)

Jalilian, E., Karakaya, M., Uhl, A. (2020). *End-to-end Off-angle Iris Recognition Using CNN Based Iris Segmentation*. International Conference of the Biometrics Special Interest Group. Peer Review - Refereed

Conference Proceeding (Published)

Kim, D., Hacisoftoglu, R. E., Karakaya, M. (2020). *Optic Disc Localization in Retina Images using Deep Learning Framework* (vol. 11419). SPIE Proceedings, Disruptive Technologies in Information Sciences IV; Editorial Review

Conference Proceeding (Submitted)

Elrich, E., Karakaya, M. (under review). *Comparison of Elliptical Unwrapping and Perspective Projection for Off-angle Iris Normalization*. SPIE Defense and Commercial Sensing Conference.

Lee, Ahyoung (Assistant Professor)

Book Chapters

Book, Chapter in Scholarly Book-New (Working Paper)

Lee, A. (Working Paper). An Efficient Mobile Healthcare Management System for Next-Generation IoT-enabled Healthcare Infrastructures. *Internet of Things: Business Principles and Applications (Anthem Press)*. Anthem Press.

Refereed Journal Articles

Journal Article, Professional Journal (Published)

Math, S., Tam, P., Lee, A., Kim, S. (2020). A NB-IoT data transmission scheme based on dynamic resource sharing of MEC for effective convergence computing. *Personal and Ubiquitous Computing (Springer)*, . Peer Review - Refereed

Journal Article, Professional Journal (Published)

Moon, J., Lee, A., Min, S. D., Hong, M. (2020). An Internet of Things sensor-based construction workload measurement system for construction process management. *International Journal of Distributed Sensor Networks (SAGE)*, . Peer Review - Refereed

Journal Article, Professional Journal (Accepted)

Sharma, J., Kim, D., Lee, A., Seo, D. (in press). On Differential Privacy based Framework for Enhancing User Data Privacy in Mobile Edge Computing Environment. *To appear in IEEE Access*, . Peer Review - Refereed

Journal Article, Professional Journal (Submitted)

Zefuack, V., Kim, D., Seo, D., Lee, A. (under review). An Unsupervised Anomaly Detection Framework for Detecting Anomalies in Real Time through Network System's Log Files Analysis. *PeerJ Computer Science*, . Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Accepted)

Sharma, J., Kim, D., Lee, A., Seo, D. (2021). *Differential Privacy using Fuzzy Convolution Neural Network (DP-FCNN) with Laplace Mechanism and Authenticated Access in Edge Computing*. International Conference on Ubiquitous Information Management and Communication (IEEE IMCOM 2021).Peer Review - Refereed

Conference Proceeding (Accepted)

Das, R. K., Lee, A. (2020). *A Study of Load-Balancing Solutions of Mobile Cloud Computing for Next-Generation Mobile Applications*. Research in Adaptive and Convergent Systems (ACM RACS 2020).Peer Review - Refereed

Conference Proceeding (Accepted)

Grady, A., Lee, A. (2020). *Experimental Study of Network Traffic Overhead in Cloud Environments*. Intermountain Engineering, Technology, and Computing Conference (IEEE i-ETC 2020).Peer Review - Refereed

Conference Proceeding (Submitted)

Suo, K., Shi, Y., Lee, A. (under review). *Characterizing Networking Performance and Interrupt Overhead of Container Overlay Networks*. The ACM Southeast (ACMSE) conference.Peer Review - Refereed

Lo, Dan (Professor)

Conference Proceedings

Conference Proceeding (Published)

Gardner, C., Lo, D. C.-T. (2021). *PCA Embedded Random Forest*. IEEE Southeast Conference (IEEE Southeastcon 2021).Peer Review - Refereed

Conference Proceeding (Published)

Asrafi, N., Lo, D. C.-T., Meimandi Parizi, R., Shi, Y., Chen, Y.-W. (2020). *Comparing Performance of Malware Classification on Automated Stacking*. *Proceedings of the 2020 ACM Southeast Conference* (pp. 307–308). New York, NY, USA: Association for Computing Machinery. <https://doi.org/10.1145/3374135.3385316>Peer Review - Refereed

Conference Proceeding (Published)

Li, Z., Zhang, H., Shahriar, H., Whitman, M., Lo, D. C.-T., Qian, K., Wu, F. (2020). *Denial of Service (DoS) Attack Detection: Performance Comparison of Supervised Machine Learning Algorithms* (pp. 469-474). IEEE: The 18th IEEE International Conference on Dependable, Autonomic and Secure Computing. <http://cyber-science.org/2020/dasc/>Peer Review - Refereed

Conference Proceeding (Published)

Hasty, J., Lo, D. C.-T. (2020). *Detecting Fake News Using Machine Learning Algorithms*. National Conference for Undergraduate Research.Peer Review - Refereed

Conference Proceeding (Published)

Lyu, S., Lo, D. C.-T. (2020). *Fake News Detection by Support Vector Machine*. Bozeman, Montana: National Conference for Undergraduate Research.Peer Review - Refereed

Conference Proceeding (Published)

Roepke, R., Podrazhansky, A., Nguyen, J., Lo, D. C.-T. (2020). *Utilizing Machine Vision for Complex Psoriatic Categorization*. Bozeman, Montana: National Conference for Undergraduate Research. Peer Review - Refereed

Conference Proceeding (Published)

Lyu, S., Lo, D. C.-T. (2020). *Fake News Detection with User Profiles using Unsupervised Machine Learning*. Raleigh, NC: IEEE Southeast Conference. Peer Review - Refereed

Conference Proceeding (Published)

Lo, D. C.-T., Bearden, R., Muralidhar, D., Shahriar, H. M., Chen, W., Paschos, P., Ng, C. (2020). *A Hands-On Lab for Macro Malware Detection using Machine Learning on Virtual Machines*. The 51st ACM Technical Symposium on Computer Science Education (ACM SIGCSE 2020). Peer Review - Refereed

Conference Proceeding (Published)

Lo, D. C.-T., Qian, K., Shahriar, H. M., Wu, F., Chern, J.-C., Paschos, P., Ng, C. (2020). *Information Assurance and Security Education on Undergraduate Computing Degree Programs*. The 51st ACM Technical Symposium on Computer Science Education (ACM SIGCSE 2020). Peer Review - Refereed

Conference Proceeding (Accepted)

Asrafi, N., Lo, D. C.-T., Parizi, R. M. (2020). *Comparing Performance of Malware Classification on Automated Stacking Platforms*. Tampa, FL: ACM Southeast Conference. Peer Review - Refereed

Conference Proceeding (Accepted)

Yu, S., Lo, D. C.-T. (2020). *Disinformation Detection using Passive Aggressive algorithms*. Tampa, FL: ACM Southeast Conference. Peer Review - Refereed

Conference Proceeding (Accepted)

Buciumas, S., Lo, D. C.-T. (2020). *Reinforcement Learning for Abstractive Text Summarization*. Tampa, FL: ACM Southeast Conference. Peer Review - Refereed

Conference Proceeding (Accepted)

Podrazhansky, A., Roepke, R., Nguyen, J., Lo, D. C.-T. (2020). *Utilizing Computer Vision, Clustering and Neural Networks for Complex Skin Disease Categorization*. Tampa, FL: ACM Southeast Conference. Peer Review - Refereed

Conference Proceeding (Accepted)

Shahriar, H., Whitman, M., Lo, D. C.-T., Wu, F., Thomas, C. (2020). *Case Study-based Portable Hands-on Labware for Machine Learning in Cybersecurity* (pp. 1). ACM: Proc. of 51st ACM Technical Symposium on Computer Science Education (SIGCSE). Peer Review - Refereed

Conference Proceeding (Accepted)

Lyu, S., Hasty, J., Lo, D. C.-T. (2020). *Fake News Detection by Support Vector Machine*. Raleigh, NC: IEEE Southeast Conference. Peer Review - Refereed

North, Sarah (Senior Lecturer)

Refereed Journal Articles

Journal Article, Academic Journal (Accepted)

Richardson, R., North, M., North, S. M., Garofalo, D. (2020). Information Systems Students' Perception of Critical and Marketable Skills in Thriving Job Security. *To appear in International Management Review Journal*, 16(1), 5-22, .Peer Review - Refereed

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

North, M., Rhea, J., Ansari, A., Sellers, Z., Okhio, C. B., Crimm, L. C., North, S. M. (2020). Department of Defense Industry Perspective: A Primer Exploration. *International Management Review Journal*, 16(2), 40-50, .

Shaw, Alan (Assistant Professor)

Conference Proceedings

Conference Proceeding (Accepted)

Shaw, A., Crombie, W. (2020). *Incorporating Computer Programming into Mathematics Curricula to Enhance Learning for Low Performing, Underserved Students..* Las Vegas, Nevada: Proceed of FECS 2020 - The 16th International Conference on Frontiers in Education. Peer Review - Refereed

Shi, Yong (Associate Professor)

Conference Proceedings

Conference Proceeding (Published)

Asrafi, N., Lo, D. C.-T., Meimandi Parizi, R., Shi, Y., Chen, Y.-W. (2020). Comparing Performance of Malware Classification on Automated Stacking. *Proceedings of the 2020 ACM Southeast Conference* (pp. 307–308). New York, NY, USA: Association for Computing Machinery. <https://doi.org/10.1145/3374135.3385316> Peer Review - Refereed

Conference Proceeding (Published)

Suo, K., Shi, Y., Xu, X., Cheng, D., Chen, W. (2020). *Tackling Cold Start in Serverless Computing with Container Runtime Reusing.* ACM SIGCOMM 2020 Workshop on Network Application Integration/CoDesign.

Conference Proceeding (Published)

Inamdar, S., Chakravarty, S., Shi, Y., Das, S. (Published). *Improving Maximum Power Point Tracking Efficiency for Partially Shaded PV Arrays by Nested Zone Prediction via Machine Learning* (vol. 47, pp. 2795 - 2798). IEEE Photovoltaic Specialists' Conference 2020. <https://ieeexplore.ieee.org/document/9300747> Peer Review - Refereed

Conference Proceeding (Published)

Suo, K., Shi, Y., Xu, X., Cheng, D., Chen, W. (2020). *HotC: Mitigating Startup Latency of Serverless Applications via Reusing Container Runtimes.* USENIX Workshop on Hot Topics in Edge Computing. <https://www.usenix.org/conference/hotedge20>

Conference Proceeding (Published)

Brown, D., Shi, Y. (2020). *A Distributed Density-Grid Clustering Algorithm for Multi-Dimensional Data.* IEEE 10th Annual Computing and Communication Workshop and Conference (IEEE CCWC 2020).

Conference Proceeding (Published)

Japa, A., Shi, Y. (2020). *Parallelizing the Bounded K-Nearest Neighbors Algorithm for Distributed Computing Systems*. IEEE 10th Annual Computing and Communication Workshop and Conference (IEEE CCWC 2020).

Conference Proceeding (Accepted)

Duchatellier, J., Granger, H., Shi, Y., Suo, K. (2020). *An Empirical Study of Artificial Intelligence Performance on Edge Devices*. KSU Proceedings on Cybersecurity Education, Research and Practice.

Conference Proceeding (Accepted)

Shi, Y., Suo, K., Kemp, S., Hodge, J. (2020). *A Task Scheduling Approach for Cloud Resource Management*. IEEE World Conference on Smart Trends in Systems, Security and Sustainability (IEEE WS4 2020).

Conference Proceeding (Submitted)

Suo, K., Shi, Y., Lee, A. (under review). *Characterizing Networking Performance and Interrupt Overhead of Container Overlay Networks*. The ACM Southeast (ACMSE) conference. Peer Review - Refereed

Son, Jungab (Assistant Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Stone, W., Kim, D., Youdom Kemmoe, V., M., Son, J. (2020). Rethinking the Weakness of Stream Ciphers and Its Application to Encrypted Malware Detection. *IEEE Access*, 8, 191602-191616, ., Acceptance Rate: 60%, Impact Factor: 3.745, <https://ieeexplore.ieee.org/document/9222070> Peer Review - Refereed

Journal Article, Academic Journal (Published)

Kemmoe, V. Y., Stone, W., Kim, J., Kim, D., Son, J. (2020). Recent Advances in Smart Contract: A Technical Overview and State of the Art. *IEEE Access*, 8, 117782-117801, ., Impact Factor: 3.745, <https://ieeexplore.ieee.org/document/9125932> Peer Review - Refereed

Journal Article, Academic Journal (Published)

Son, J., Kim, D.-H., Bhuiyan, M. Z. A., Tashakkori, R., Seo, J., Lee, D. H. (2020). Privacy Enhanced Location Sharing for Mobile Online Social Networks. *Transactions on Sustainable Computing (TSC) / IEEE*, ., <https://ieeexplore.ieee.org/document/8370740> Peer Review - Refereed

Journal Article, Academic Journal (Published)

Kim, D.-H., Son, J., Seo, D., Kim, Y., Kim, H., Seo, J. T. (2020). A Novel Transparent and Auditable Fog-assisted Cloud Storage with Compensation Mechanism. *Tsinghua Science and Technology*, 25(1), 28-43, ., Impact Factor: 2.32, <http://tst.tsinghuajournals.com/EN/1007-0214/home.shtml> Peer Review - Refereed

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Kim, H., Ben-Othman, J., Mokdad, L., Son, J., Li, C. (2020). Research Challenges and Security Threats to AI-driven 5G Virtual Emotion Applications Using Autonomous Vehicles, Drones and Smart Devices. *IEEE Network Magazine*, 34(6), 288-294, ., Impact Factor: 11.05

Conference Proceedings

Conference Proceeding (Published)

Kim, J., Son, J., Stone, W., Kim, H., Noh, J., Cho, S. (2020). *A Novel Resource Allocation scheme for NOMA-V2X-Femtocell with Channel Aggregation* (pp. 1-6). IEEE Global Communications Conference (IEEE GlobeCom).
<https://globecom2020.ieee-globecom.org/program/symposia-wednesday>Peer Review - Refereed

Conference Proceeding (Published)

Youdom Kemmoe, V., Kwon, Y., Shin, S., Hussain, R., Cho, S., Son, J. (2020). *Leveraging Smart Contracts for Asynchronous Group Key Agreement in Internet of Things* (pp. 1-6). IEEE International Conference on Systems, Man, and Cybernetics (IEEE SMC 2020).
<https://ieeexplore.ieee.org/document/9282954>Peer Review - Refereed

Conference Proceeding (Published)

Karasek, D. Y., Kim, J., Kemmeo, V. Y., Shin, S., Cho, S., Son, J. (2020). *SuperB: Superior Behavior-based Anomaly Detection Defining Authorized Users' Traffic Patterns*. 2020 IEEE International Conference on Communications (ICC).
<https://ieeexplore.ieee.org/document/9209657>Peer Review - Refereed

Conference Proceeding (Not Accepted)

Kim, J., Lee, H., Cranfill, L., Kang, M., Cho, S., Son, J. (Not Accepted). *Detecting Encrypted Packets from New Malware Exploiting Stream Cipher Using Deep Deterministic Policy Gradient* (pp. 1-10). IEEE Conference on Communications and Network Security (IEEE CNS).Peer Review - Refereed

Conference Proceeding (Not Accepted)

Youdom Kemmoe, V., Kwon, Y., Shin, S., Hussain, R., Cho, S., Son, J. (Not Accepted). *Enabling Secure and Asynchronous Group Key Distribution without Trusted Third Party Using Smart Contracts* (pp. 1-10). IEEE Conference on Communications and Network Security (IEEE CNS).Peer Review - Refereed

Suo, Kun (Assistant Professor)

Conference Proceedings

Conference Proceeding (Published)

Fanfan, E., Randolph, A., Suo, K. (2020). *Design of a Healthcare Monitoring and Communication System for Locked-In Patients Using Machine Learning, IoTs, and Brain-Computer Interface Technologies*. Southern Association for Information Systems.

Conference Proceeding (Published)

Suo, K., Shi, Y., Xu, X., Cheng, D., Chen, W. (2020). *Tackling Cold Start in Serverless Computing with Container Runtime Reusing*. ACM SIGCOMM 2020 Workshop on Network Application Integration/CoDesign.

Conference Proceeding (Published)

Suo, K., Shi, Y., Xu, X., Cheng, D., Chen, W. (2020). *HotC: Mitigating Startup Latency of Serverless Applications via Reusing Container Runtimes*. USENIX Workshop on Hot Topics in Edge Computing. <https://www.usenix.org/conference/hotedge20>

Conference Proceeding (Accepted)

Duchatellier, J., Granger, H., Shi, Y., Suo, K. (2020). *An Empirical Study of Artificial Intelligence Performance on Edge Devices*. KSU Proceedings on Cybersecurity Education, Research and Practice.

Conference Proceeding (Accepted)

Rang, W., Yang, D., Cheng, D., Suo, K., Chen, W. (2020). *Data Life Aware Model Updating Strategy for Stream-based Online Deep Learning*. IEEE International Conference on Cluster.

Conference Proceeding (Accepted)

Shi, Y., Suo, K., Kemp, S., Hodge, J. (2020). *A Task Scheduling Approach for Cloud Resource Management*. IEEE World Conference on Smart Trends in Systems, Security and Sustainability (IEEE WS4 2020).

Conference Proceeding (Not Accepted)

Suo, K. (Not Accepted). *Characterizing Networking Performance and Interrupt Overhead of Container Overlay Networks*. IEEE International Workshop on Signal Processing Advances in Wireless Communications (SPAWC). <http://www.spawc2019.org/>

Conference Proceeding (Submitted)

Suo, K., Shi, Y., Lee, A. (under review). *Characterizing Networking Performance and Interrupt Overhead of Container Overlay Networks*. The ACM Southeast (ACMSE) conference. Peer Review - Refereed

Conference Proceeding (Submitted)

Suo, K. (under review). *Parallelizing Packet Processing in Container Overlay Networks via Software Interrupt Pipelining* (pp. 14). EuroSys.

Xu, Xiaohua (Assistant Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Submitted)

Bakiras, S., Troja, E., Xu, X. X., Naves, J. F. (under review). *Secure and Anonymous Communications Over Delay Tolerant Networks*. *IEEE Access*, . Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)

Xu, X., He, S., Han, M., Meimandi Parizi, R., Srivastava, G. (2020). *Budget Feasible Roadside Unit Allocation Mechanism in Vehicular Ad-Hoc Networks*. *2020 IEEE 91st Vehicular Technology Conference (VTC2020-Spring)* (pp. 1-5).

Conference Proceeding (Published)

Suo, K., Shi, Y., Xu, X., Cheng, D., Chen, W. (2020). *Tackling Cold Start in Serverless Computing with Container Runtime Reusing*. ACM SIGCOMM 2020 Workshop on Network Application Integration/CoDesign.

Conference Proceeding (Published)

Suo, K., Shi, Y., Xu, X., Cheng, D., Chen, W. (2020). *HotC: Mitigating Startup Latency of Serverless Applications via Reusing Container Runtimes*. USENIX Workshop on Hot Topics in Edge Computing. <https://www.usenix.org/conference/hotedge20>

Conference Proceeding (Published)

Zhou, Y., Han, M., He, S., Liu, L., Xu, X., Gao, X. (2020). *Abnormal Activity Detection in Edge Computing: A Transfer Learning Approach*. International Conference on Computing, Networking and Communications (ICNC 2020).Peer Review - Refereed

Conference Proceeding (Submitted)

Al-Mamun, A., Dai, J., Xu, X. X., Sadoghi, M., Shen, H., Zhao, D. (under review). *DEAN: A Blockchain-Inspired Protocol Enabling Trustworthy Edge Computing*. NDSS2020posters.Peer Review - Refereed

Conference Proceeding (Submitted)

Khan, F., Xu, X. (under review). *Go-News: A Blockchain Based Architecture for Fake News Detection*. ProComm.Peer Review - Refereed

Department of Information Technology

Halstead-Nussloch, R (Professor)

Books

Book, Textbook-New (Published)

Halstead-Nussloch, R. (2020). In Dr. Lei Li (Ed.), *Curated, Cost-Free Educational Resources for Information Technology Strategy, Policy and Governance. 2019. Online Textbook and Workbook*. <http://ksuweb.kennesaw.edu/~rhalstea/ALG/IT7833/index.html> Editorial Review

Book Chapters

Book, Chapter in Scholarly Book-New (Accepted)

Halstead-Nussloch, R., Rutherford, R. (in press). Tips for Using Open Educational Resources to Reduce Textbook Costs in Computing and IT Courses. *Kacprzyk, J. (Editor) Advances in Intelligent Systems and Computing. Springer 2021*. Springer.

Conference Proceedings

Conference Proceeding (Published)

Halstead-Nussloch, R. (2020). Updating OER Materials in IT Courses: Sharing the Fun and Fulfillment with Students while Sending the Workload to Automation. *SIGITE '20: Proceedings of the 21st Annual Conference on Information Technology Education. October 2020, Pages 215 (pp. 1)*. ACM. Peer Review - Refereed

Other Intellectual Contributions

Special Issue Call for paper (Published)

Keyvanfar, A., Halstead-Nussloch, R., Jiang, B., Shafaghat, A. (2020). Urban Physics and COVID-19 Pandemic Risk Management. *ASCE, Journal of Urban Planning and Development*. ASCE, Journal of Urban Planning and Development. <https://ascelibrary.org/pb-assets/images/CUSTOM%20PAGES/FILES/UP%20Special%20Collection%20COVID-1595532343767.pdf> Peer Review - Refereed

Han, Meng (Assistant Professor)

Book Chapters

Book, Chapter in Scholarly Book-New (Published)

Liu, L., Han, M., Zhou, Y., Meimandi Parizi, R., Korayem, M. (2020). Blockchain-Based Certification for Education, Employment, and Skill with Incentive Mechanism. In Choo, Kim-Kwang Raymond; Deghantaha, Ali; Parizi, Reza M. (Ed.), *Blockchain Cybersecurity, Trust and Privacy* (pp. 269--290). Cham: Springer International Publishing. https://doi.org/10.1007/978-3-030-38181-3_14 Peer Review - Refereed

Book, Chapter in Scholarly Book-New (Published)

Singh, A., Meimandi Parizi, R., Han, M., Deghantaha, A., Karimipour, H., Choo, K.-K. R. (2020). Public Blockchains Scalability: An Examination of Sharding and Segregated Witness. In Choo, Kim-Kwang Raymond; Deghantaha, Ali; Parizi, Reza M. (Ed.), *Blockchain Cybersecurity, Trust and Privacy* (pp. 203--232). Cham: Springer International Publishing. https://doi.org/10.1007/978-3-030-38181-3_11 Peer Review - Refereed

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Cao, S., Cong, L. W., Han, M., Hou, Q., Yang, B. (2020). Blockchain Architecture for Auditing Automation and Trust Building in Public Markets. *Computer*, 53(7), 20--28, .Peer Review - Refereed

Journal Article, Academic Journal (Published)

Han, M., Miao, D., Wang, J., Liu, L. (2020). A balm: defend the clique-based attack from a fundamental aspect. *Journal of Combinatorial Optimization*, 1--22, .Peer Review - Refereed

Journal Article, Academic Journal (Published)

Li, X., Ji, S., Han, M., Ji, J., Ren, Z., Liu, Y., Wu, C. (2020). Adversarial Examples versus Cloud-based Detectors: A Black-box Empirical Study. *IEEE Transactions on Dependable and Secure Computing*, ., Impact Factor: 6.404Peer Review - Refereed

Journal Article, Academic Journal (Accepted)

Tian, S., He, S., Han, M. (2021). Data-driven Approaches in FinTech: A Survey. *To appear in Information Discovery and Delivery*, ., Impact Factor: 7.462Peer Review - Refereed

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Chen, Y., Chen, H., Han, M., Liu, B., Chen, Q., Ma, Z., Wang, Z. (2020). Mining Revenue Optimization Algorithm of Miners in PoW-based Blockchain Networks. *DOI: 10.21203/rs.3.rs-106017/v1*, .

Journal Article, Academic Journal (Published)

Hou, Q., Han, M., Cai, Z. (2020). Survey on data analysis in social media: A practical application aspect. *Big Data Mining and Analytics*, 3(4), 259--279, .

Journal Article, Academic Journal (Published)

Chen, Y., Chen, H., Han, M., Liu, B., Chen, Q., Ren, T. (2020). A Novel Computing Power Allocation Algorithm for Blockchain System in Multiple Mining Pools Under Withholding Attack. *IEEE Access*, 8, 155630--155644, ., Impact Factor: 4.098

Journal Article, Academic Journal (Published)

Hou, Q., Han, M., Qu, F. (2020). Understanding Social Media Beyond Text: A Reliable Practice on Twitter. *Computational Social Networks*, .

Conference Proceedings

Conference Proceeding (Published)

Li, L., She, Y., Han, M. (2021). *Perceptions of Information Systems Security Compliance: An Empirical Study in Higher Education Setting*. Hawaii International Conference on System Sciences (HICSS) - 54.

Conference Proceeding (Published)

He, S., Han, M., Yu, L., Mei, C. (2020). *Lung Pattern Classification Via DCNN*. IEEE BigData 2020.

Conference Proceeding (Published)

Podrazhansky, A., Zhang, H., Han, M., He, S. (2020). A Chatbot-based Mobile Application to Predict and Early-prevent Human Mental Illness. *Proceedings of the 2020 ACM Southeast Conference* (pp. 311--312).

Conference Proceeding (Published)

Xu, X., He, S., Han, M., Meimandi Parizi, R., Srivastava, G. (2020). Budget Feasible Roadside Unit Allocation Mechanism in Vehicular Ad-Hoc Networks. *2020 IEEE 91st Vehicular Technology Conference (VTC2020-Spring)* (pp. 1-5).

Conference Proceeding (Published)

Kim, L., Han, M., Guo, R. (2020). Machine Learning in the Analysis of Mental Disease. *Proceedings of the 2020 ACM Southeast Conference* (pp. 316--317).

Conference Proceeding (Published)

Li, L., Han, M. (2020). Promoting Information Security Policy Compliance--An Empirical Study. *Americas Conference on Information Systems (AMCIS)* (pp. 1--5).

Conference Proceeding (Published)

Zhang, Y., Han, M., He, J. (2020). Seeking the Goals of K-12 Computing Education: A Text Analysis based Literature Review. *Proceedings of the 51st ACM Technical Symposium on Computer Science Education* (pp. 1370--1370).

Conference Proceeding (Published)

He, S., Han, M., Zheng, G., Ray, H. E. (2020). Implementing Capsule Neural Networks in Traffic Light Image Recognition. *Proceedings of the 2020 ACM Southeast Conference* (pp. 301--302).

Conference Proceeding (Published)

Li, Z., Han, M., Tian, S., He, S. (2020). *A Theory-Based Course Development Framework: A Case Study*. SIGITE2020. Peer Review - Refereed

Conference Proceeding (Published)

Li, L., Han, M. (2020). *Promoting Information Security Policy Compliance – An Action Research Enabled Empirical Study*. Americas Conference on Information Systems (AMCIS) 2020.

Conference Proceeding (Published)

Wan, M., Han, M., Li, L., Li, Z., He, S. (2020). *Effects of and Defenses Against Adversarial Attacks on a Traffic Light Classification CNN* (pp. 94-99). ACM SE '20: Proceedings of the 2020 ACM Southeast Conference. Peer Review - Refereed

Conference Proceeding (Published)

Vyas, J. D., Han, M., Li, L., Pouriyeh, S., He, S. (2020). Integrating Blockchain Technology into Healthcare. *Proceedings of the 2020 ACM Southeast Conference*. ACMSE. <http://dx.doi.org/10.1145/3374135.3385280>

Conference Proceeding (Published)

D. L., Li, L., Shahriar, H. M., Han, M. (2020). *Developing a Blockchain-Enabled Collaborative Intrusion Detection System: An Exploratory Study* (pp. 172-183). Future of Information and Communication Conference.

Conference Proceeding (Published)

He, S., Han, M. M., Patel, N., Li, Z. (2020). *Converting Handwritten Text to Editable Format via Gesture Recognition for Education*. SIGCSE2020. Peer Review - Refereed

Conference Proceeding (Published)

Zhang, Y., Han, M. M., He, S. (2020). *Seeking the Goals of K-12 Computing Education*. SIGCSE. Peer Review - Refereed

Conference Proceeding (Published)

Zhou, Y., Han, M., He, S., Liu, L., Xu, X., Gao, X. (2020). *Abnormal Activity Detection in Edge Computing: A Transfer Learning Approach*. International Conference on Computing, Networking and Communications (ICNC 2020).Peer Review - Refereed

Conference Proceeding

Han, M., Li, L., Xie, Y. (2020). *A Novel Framework for Collaborated IT Project with the Consideration of Data Security and Privacy*. 21st ACM Annual Conference on Information Technology Education (SIGITE).

Le, Linh (Assistant Professor)

Non-Refereed Journal Articles

Journal Article, Academic Journal (Accepted)

Xie, Y., Le, L. (in press). KNN Loss and Deep KNN. *To appear in Fundamenta Informaticae, IOS Press, .*

Conference Proceedings

Conference Proceeding (Accepted)

Le, L., Xie, Y., Alagapan, S., Chakravarty, S., Ordonez, P., Hales, M. E., Johnson II, J. D. (2020). *Deep Pose Alignment*. IEEE International Conference on Big Data.

Other Intellectual Contributions

Working Paper (In Preparation; Not Yet Submitted)

Le, L., Xie, Y., Alagapan, S. (In Preparation; Not Yet Submitted). *Deep Representation Learning on Motion Sequence Retrieval*.

Working Paper (Working Paper)

Le, L., Xie, Y., Alagapan, S. (Working Paper). *Analysis of Online Learning Concentration Levels on Facial Features*.

Li, Lei (Professor)

Conference Proceedings

Conference Proceeding (Published)

Li, L., She, Y., Han, M. (2021). *Perceptions of Information Systems Security Compliance: An Empirical Study in Higher Education Setting*. Hawaii International Conference on System Sciences (HICSS) - 54.

Conference Proceeding (Published)

Li, L., Han, M. (2020). Promoting Information Security Policy Compliance--An Empirical Study. *Americas Conference on Information Systems (AMCIS)* (pp. 1--5).

Conference Proceeding (Published)

Li, L., Han, M. (2020). *Promoting Information Security Policy Compliance – An Action Research Enabled Empirical Study*. Americas Conference on Information Systems (AMCIS) 2020.

Conference Proceeding (Published)

D. L., Li, L., Shahriar, H. M., Han, M. (2020). *Developing a Blockchain-Enabled Collaborative Intrusion Detection System: An Exploratory Study* (pp. 172-183). Future of Information and Communication Conference.

Conference Proceeding (Accepted)

Williams, J., King, J., Smith, B., Pouriyeh, S., Shahriar, H. M., Li, L. (2020). *Phishing Prevention Using Defense in Depth*. Las Vegas: CSCE'20 - The 2020 World Congress in Computer Science, Computer Engineering, & Applied Computing. <https://americancse.org/events/csce2020/program>

Conference Proceeding

Han, M., Li, L., Xie, Y. (2020). *A Novel Framework for Collaborated IT Project with the Consideration of Data Security and Privacy*. 21st ACM Annual Conference on Information Technology Education (SIGITE).

Li, Zhigang (Assistant Professor)

Book Chapters

Book, Chapter in Scholarly Book-New (Accepted)

Li, J., Yang, M., Xie, Y., Li, Z. (2020). *A CU Depth Prediction Model Based on Pre-trained Convolutional Neural Network for HEVC Intra Encoding Complexity Reduction*.

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Jiang, W., Yang, M., Xie, Y., Li, Z. (2020). Machine Learning-Based Coding Decision Making in H.265/HEVC CTU Division and Intra Prediction. *International Journal of Mobile Computing and Multimedia Communications*, 11(2), 41-60, .

Conference Proceedings

Conference Proceeding (Published)

Li, Z., Tian, S., Chen, W. (2020). *The Correlation Between State Health Department's Tweets and Public Sentiment Toward COVID-19*. 51st Annual Conference of the Decision Sciences Institute. Peer Review - Refereed

Conference Proceeding (Published)

Li, Z., Han, M., Tian, S., He, S. (2020). *A Theory-Based Course Development Framework: A Case Study*. SIGITE2020. Peer Review - Refereed

Conference Proceeding (Published)

Tian, S., Li, Z. (2020). *Collaborative Online Learning for Information Security: A SunTrust Project Summary*. Cybersecurity Education, Research and Practice. Editorial Review

Conference Proceeding (Published)

Tian, S., Li, Z. (2020). *Collaborative Learning for Information Security Topics: A Pilot Study*. AMCIS 2020. Peer Review - Refereed

Conference Proceeding (Published)

Li, J., Jiang, W., Yang, M., Xie, Y., Li, Z. (2020). *A Machine Learning Method for Optimizing Partition of Prediction Block in Coding Unit in H.265/HEVC*. Marietta: 13th EAI International Conference on Mobile Multimedia Communications. 1100 South Marietta Parkway. Peer Review - Refereed

Conference Proceeding (Published)

Wan, M., Han, M., Li, L., Li, Z., He, S. (2020). *Effects of and Defenses Against Adversarial Attacks on a Traffic Light Classification CNN* (pp. 94-99). ACM SE '20: Proceedings of the 2020 ACM Southeast Conference. Peer Review - Refereed

Conference Proceeding (Published)

He, S., Han, M. M., Patel, N., Li, Z. (2020). *Converting Handwritten Text to Editable Format via Gesture Recognition for Education*. SIGCSE2020. Peer Review - Refereed

Peltsverger, Svetlana (Professor)

Other Intellectual Contributions

Curriculum Guidelines (Published)

Geissler, M., Brown, D., McKenzie, N., Peltsverger, S. B., Preuss, T., Sabin, M., Tang, C. (2020). *Information Technology Transfer Curricula 2020: Curriculum Guidelines for Two-Year Transfer Programs in Information Technology* (pp. 132). New York, NY: Association for Computing Machinery.
<https://www.acm.org/media-center/2020/august/it-transfer-curricula-2020>

Pouriyeh, Seyedamin (Assistant Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Mothukuri, V., Meimandi Parizi, R., Pouriyeh, S., Huang, Y., Dehghantanha, A., Srivastava, G. (2020). A survey on security and privacy of federated learning. *Future Generation Computer Systems*, 115, 619 - 640, ., Impact Factor: 6.125,
<http://www.sciencedirect.com/science/article/pii/S0167739X20329848> Peer Review - Refereed

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Nasajpour, M., Pouriyeh, S., Meimandi Parizi, R., Dorodchi, M., Valero, M. A., Arabnia, H. R. (2020). Internet of Things for Current COVID-19 and Future Pandemics: An Exploratory Study. *Journal of Healthcare Informatics Research*, ., Impact Factor: 2.87,
<https://link.springer.com/article/10.1007/s41666-020-00080-6>

Conference Proceedings

Conference Proceeding (Published)

Pouriyeh, S., Meimandi Parizi, R. (2020). *Towards Federated Learning-based IoT Security*. Kennesaw, GA: KSU Proceedings On Cybersecurity Education, Research And Practice. Peer Review - Refereed

Conference Proceeding (Published)

Vyas, J. D., Han, M., Li, L., Pouriyeh, S., He, S. (2020). Integrating Blockchain Technology into Healthcare. *Proceedings of the 2020 ACM Southeast Conference*. ACMSE.
<http://dx.doi.org/10.1145/3374135.3385280>

Conference Proceeding (Accepted)

Williams, J., King, J., Smith, B., Pouriyeh, S., Shahriar, H. M., Li, L. (2020). *Phishing Prevention Using Defense in Depth*. Las Vegas: CSCE'20 - The 2020 World Congress in

Computer Science, Computer Engineering, & Applied Computing.
<https://americancse.org/events/csce2020/program>

Rutherford, Rebecca (Professor)

Book Chapters

Book, Chapter in Scholarly Book-New (Accepted)

Halstead-Nussloch, R., Rutherford, R. (in press). Tips for Using Open Educational Resources to Reduce Textbook Costs in Computing and IT Courses. *Kacprzyk, J. (Editor) Advances in Intelligent Systems and Computing. Springer 2021. Springer.*

Other Intellectual Contributions

Research Report (Published)

Rutherford, R. (2020). *ALG Final Report.*

Research Report (Published)

Rutherford, R. (2020). *ALG Final Report Mini-Grant.*

Shahriar, Hossain (Associate Professor)

Book Chapters

Book, Chapter in Scholarly Book-New (Published)

Shahriar, H. M., Nimmagadda, S. (2020). Network Instruction Detection for TCP/IP Packets with Machine Learning Techniques. In Maleh, Y., Shojafar, M., Alazab, M., Baddi, Y. (Eds.) (Ed.), *Machine Intelligence and Big Data Analytics for Cybersecurity Applications* (pp. 231-247). Springer: Springer.
<https://link.springer.com/book/10.1007/978-3-030-57024-8>Peer Review - Refereed

Book, Chapter in Scholarly Book-New (Published)

Shahriar, H., Etienne, L. (2020). Presentation Attack Detection Framework. In Maleh, Y., Shojafar, M., Alazab, M., Baddi, Y. (Eds.) (Ed.), *Data Analytics for Cybersecurity Applications* (pp. 297-311). Springer.
<https://www.springer.com/gp/book/9783030570231>Peer Review - Refereed

Book, Chapter in Scholarly Book-New (Accepted)

Riad, A. B. M. K., Shahriar, H., Zhang, C., Barsha, F. (2021). Heath Device Security and Privacy: A Comparative Analysis of Fitbit, Jawbone, Google Glass and Samsung Galaxy Watch. In Ahmed A. Elngar, Ambika Pawar, Prathamesh Churi (Ed.), *Data Protection and Privacy in Healthcare: Research and Innovations*. Taylor and Francis: Taylor & Francis.
<https://easychair.org/cfp/DPPHRI2020>Peer Review - Refereed

Book, Chapter in Scholarly Book-New (Accepted)

Shahriar, H. M., Zhang, C., Islam, A., Islam, S. (2020). Mobile Application Security Using Static and Dynamic Analysis. In Yassine MalehMohammad ShojafarMamoun AlazabYoussef Baddi (Ed.), *Machine Intelligence and Big Data Analytics For Cybersecurity Applications* (pp. 443-459). Springer: Springer.
<https://link.springer.com/book/10.1007/978-3-030-57024-8>Peer Review - Refereed

Refereed Journal Articles

Journal Article, Academic Journal (Accepted)

Shahriar, H., Sneha, S., Whitley, P. (2021). Approaches and Challenges To Secure Health Data. *To appear in International Journal of Medical Engineering and Informatics*, 15, ., <https://www.inderscience.com/jhome.php?jcode=ijmei>Peer Review - Refereed

Journal Article, Academic Journal (Accepted)

Whitley, P., Shahriar, H., Sneha, S. (2021). Impact of Health Information Technologies on the Quality of Healthcare Deliveries. *To appear in International Journal of Applied Research on Public Health Management*, 6(2), 15, ., <https://www.igi-global.com/article/impact-of-health-information-technologies-on-the-quality-of-healthcare-deliveries/267794>Peer Review - Refereed

Journal Article, Academic Journal (Accepted)

Shahriar, H. M., Haddad, H. M., Farhadi, M. (2021). Assessing HIPAA Compliance of Open Source Electronic Health Record Applications. *To appear in International Journal of Information Security and Privacy*, 15(2, Article 9), 13 pages, ., <https://www.igi-global.com/journal/international-journal-information-security-privacy/1096>Peer Review - Refereed

Journal Article, Academic Journal (Accepted)

Chevalliru, B., Carter, G., Shahriar, H. M., Sneha, S. (in press). OpenPharma Blockchain on Fhir: An Interoperable Solution for Read-Only Health Records Exchange through Blockchain and Biometrics. *To appear in Blockchain in Healthcare Today*, .Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)

Masum, M., Shahriar, H. M., Haddad, H. M., Sneha, S., Ahamed, S., Rahman, M. (2020). *Actionable Knowledge Extraction Framework for COVID-19* (pp. 5). IEEE: IEEE Big Data 2020.Peer Review - Refereed

Conference Proceeding (Published)

Masum, M., Shahriar, H. M., Haddad, H. M., Alam, M. (2020). *r-LSTM: Time Series Forecasting for COVID-19 Confirmed Cases with LSTM-based Framework* (pp. 6). IEEE: IEEE Big Data 2020.Peer Review - Refereed

Conference Proceeding (Published)

Li, F., Valero, M. A., Shahriar, H. M., Khan, R. A., Ahamed, S. I. (2020). *Wi-COVID: A COVID-19 Symptom Detection and Patient Monitoring Framework using WiFi*. IEEE/ACM international conference on Connected Health: Applications, Systems and Engineering Technologies (CHASE).Peer Review - Refereed

Conference Proceeding (Published)

Vundavalli, V., Barsha, F., Masum, M., Shahriar, H. M., Haddad, H. M. (2020). *Malicious URL Detection Using Supervised Machine Learning Techniques* (pp. 11). ACM: 13th International Conference on Security of Information and Networks. <https://www.sinconf.org/>Peer Review - Refereed

Conference Proceeding (Published)

Valero, M. A., Shahriar, H. M., Ahamed, S. (2020). R-Mon: An mhealth Tool for Real-time Respiratory Monitoring During Pandemics and Self-Isolation. *IEEE World Congress on Services (SERVICES)* (pp. 1--4). Proceedings of the 2nd IEEE Digital Health as a Service Symposium.Peer Review - Refereed

Conference Proceeding (Published)

Zhang, C., Shahriar, H. M. (2020). *The Adoption, Issues, and Challenges of Wearable Healthcare Technology for the Elderly*. SIGITE '20: Proceedings of the 21st Annual Conference on Information Technology Education. <https://dl.acm.org/doi/10.1145/3368308.3415454>

Conference Proceeding (Published)

Li, Z., Zhang, H., Shahriar, H., Whitman, M., Lo, D. C.-T., Qian, K., Wu, F. (2020). *Denial of Service (DoS) Attack Detection: Performance Comparison of Supervised Machine Learning Algorithms* (pp. 469-474). IEEE: The 18th IEEE International Conference on Dependable, Autonomic and Secure Computing. <http://cyber-science.org/2020/dasc/PeerReview> - Refereed

Conference Proceeding (Published)

Hogges, J., Shahriar, H., Sneha, S., Ahamed, S. (2020). *A Two-Step Password Authentication System for Alzheimer Patients* (pp. 1444-1448). IEEE computer Society: Proc. of 44th IEEE Computer Society Signature Conference on Computers, Software and Applications. Peer Review - Refereed

Conference Proceeding (Published)

Etienne, L., Shahriar, H. M. (2020). *Attacks and Mitigation Techniques for Iris-based Authentication Systems* (pp. 1101-1102). IEEE Computer Society: Proc. of 44th IEEE Computer Society Signature Conference on Computers, Software and Applications. Peer Review - Refereed

Conference Proceeding (Published)

Shahriar, H. M., Qian, K., Shalan, A., Wu, F. (2020). *Enhancing Proactive Control Mobile and Web Software Security Education with Hands-on Labware* (pp. 1095-1096). IEEE Computer Society: Proc. of 44th IEEE Computer Society Signature Conference on Computers, Software and Applications. Peer Review - Refereed

Conference Proceeding (Published)

Gomez, A., Shahriar, H. M., Clincy, V. A., Shalan, A. (2020). *Hands-on Lab on Smart City Vulnerability Exploitation* (pp. 1777-1782). Proc. of 44th IEEE Computer Society Signature Conference on Computers, Software and Applications: Proc. of 44th IEEE Computer Society Signature Conference on Computers, Software and Applications. Peer Review - Refereed

Conference Proceeding (Published)

Shahriar, H. M., Qian, K., Zhang, H. (2020). *Learning Environment Containerization of Machine Learning for Cybersecurity* (pp. 1131-1132). IEEE Computer Society: Proc. of 44th IEEE Computer Society Signature Conference on Computers, Software and Applications. Peer Review - Refereed

Conference Proceeding (Published)

Islam, M., Shahriar, H. M., Sneha, S., Zhang, C., Ahamed, S. (2020). *Mobile Sensor-Based Fall Detection Framework* (pp. 693-698). IEEE Computer Society: Proc. of 44th IEEE Computer Society Signature Conference on Computers, Software and Applications. Peer Review - Refereed

Conference Proceeding (Published)

Zhang, C., Shahriar, H. M., Riad, A. B. M. K. (2020). *Security and Privacy Analysis of Wearable Health Device* (pp. 1767-1772). IEEE Computer Society: Proc. of 44th IEEE Computer Society Signature Conference on Computers, Software and Applications. Peer Review - Refereed

Conference Proceeding (Published)

Masum, M., Shahriar, H. M., Haddad, H. M. (2020). *Epileptic Seizure Detection for Imbalanced Datasets Using an Integrated Machine Learning Approach* (pp. 5416-5419). In 42nd Annual International Conference of the IEEE Engineering in Medicine and Biology Society. <https://ieeexplore.ieee.org/document/9175632>Peer Review - Refereed

Conference Proceeding (Published)

Masum, M., Shahriar, H., Haddad, H. M. (2020). *Analysis of Sampling Techniques Towards Epileptic Seizure Detection from Imbalanced Dataset* (pp. 684-692). IEEE Computer Society: Proc. of 44th IEEE Computer Society Signature Conference on Computers, Software and Applications. <https://ieeexplore.ieee.org/document/9202532>Peer Review - Refereed

Conference Proceeding (Published)

Datta, A., Rahman, M., Shahriar, H. (2020). *WTC2: Impact-Aware Threat Analysis for Water Treatment Centers* (pp. 473-482). IEEE Computer Society: Proc. of 44th IEEE Computer Society Signature Conference on Computers, Software and Applications. Peer Review - Refereed

Conference Proceeding (Published)

Blue, T., Shahriar, H. M. (2020). *Distributed Denial of Service Attack Detection* (pp. 1-2). Springer: National Cyber Summit. Peer Review - Refereed

Conference Proceeding (Published)

Li, Z., Zhang, H., Masum, M., Shahriar, H., Haddad, H. M. (2020). *Cyber Fraud Prediction with Supervised Machine Learning Techniques* (pp. 176-180). ACM: ACM Southeast Conference. <http://hadiz.myweb.usf.edu/ACMSE/index.html>Peer Review - Refereed

Conference Proceeding (Published)

D. L., Li, L., Shahriar, H. M., Han, M. (2020). *Developing a Blockchain-Enabled Collaborative Intrusion Detection System: An Exploratory Study* (pp. 172-183). Future of Information and Communication Conference.

Conference Proceeding (Published)

Lo, D. C.-T., Bearden, R., Muralidhar, D., Shahriar, H. M., Chen, W., Paschos, P., Ng, C. (2020). *A Hands-On Lab for Macro Malware Detection using Machine Learning on Virtual Machines*. The 51st ACM Technical Symposium on Computer Science Education (ACM SIGCSE 2020). Peer Review - Refereed

Conference Proceeding (Published)

Lo, D. C.-T., Qian, K., Shahriar, H. M., Wu, F., Chern, J.-C., Paschos, P., Ng, C. (2020). *Information Assurance and Security Education on Undergraduate Computing Degree Programs*. The 51st ACM Technical Symposium on Computer Science Education (ACM SIGCSE 2020). Peer Review - Refereed

Conference Proceeding (Accepted)

Masum, M., Shahriar, H. (2020). *TL-NID: Deep Neural Network with Transfer Learning for Network Intrusion Detection* (pp. 6). IEEE: 15th International Conference for Internet Technology and Secured Transactions (ICITST-2020). <https://icitst.org/>Peer Review - Refereed

Conference Proceeding (Accepted)

Zhao, W., Shahriar, H. M., Clincy, V. A., Bhuiyan, M. Z. A. (2020). *Security and Privacy Analysis of Mhealth Application: A Case Study* (pp. 6). IEEE: The 19th IEEE International Conference on Trust, Security and Privacy in Computing and Communications. <http://ieeetrustcom.org/TrustCom2020/home.htm>Peer Review - Refereed

Conference Proceeding (Accepted)

Riad, A. B. M. K., Islam, M. S., Shahriar, H., Zhang, C., Valero, M. A., Sneha, S., Ahamed, S. (2020). *Plugin-based Tool for Teaching Secure Mobile Application Development* (pp. 10). Proc. of EDSIG Conference. <http://edsigcon.org>/Peer Review - Refereed

Conference Proceeding (Accepted)

Zhang, C., Shahriar, H. M. (2020). *The Adaptation, Issues, and Future of Wearable Technology in Healthcare* (pp. 4). ACM: ACM SIGITE. Peer Review - Refereed

Conference Proceeding (Accepted)

Williams, J., King, J., Smith, B., Pouriye, S., Shahriar, H. M., Li, L. (2020). *Phishing Prevention Using Defense in Depth*. Las Vegas: CSCE'20 - The 2020 World Congress in Computer Science, Computer Engineering, & Applied Computing. <https://americancse.org/events/csce2020/program>

Conference Proceeding (Accepted)

Shahriar, H., Whitman, M., Lo, D. C.-T., Wu, F., Thomas, C. (2020). *Case Study-based Portable Hands-on Labware for Machine Learning in Cybersecurity* (pp. 1). ACM: Proc. of 51st ACM Technical Symposium on Computer Science Education (SIGCSE). Peer Review - Refereed

Tian, Shirley (Assistant Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Accepted)

Tian, S., He, S., Han, M. (2021). Data-driven Approaches in FinTech: A Survey. *To appear in Information Discovery and Delivery*, ., Impact Factor: 7.462 Peer Review - Refereed

Journal Article, Academic Journal (Revising to Resubmit)

Tian, S., He, W., Zhang, J., He, Y. (Revising to Resubmit). Sharing of Fake News about COVID-19 Pandemic on Social Media: Impact of Personal, News, and Relational Factors. *Information Systems Journal*, ., Impact Factor: 4.267 Peer Review - Refereed

Journal Article, Academic Journal (Revising to Resubmit)

Tian, S., He, W., Zhang, J., He, Y., Xing, Y. (Revising to Resubmit). Sharing of Fake News about COVID-19 Pandemic on Social Media: Impact of Personal, News, and Relational Factors. *Journal of Management Information Systems*, ., Impact Factor: 3.1 Peer Review - Refereed

Journal Article, Academic Journal (Submitted)

Zhang, Z., He, W., Shetty, S., Tian, S., He, Y. (under review). Understanding Governance and Control Challenges of Blockchain Technology in Healthcare and Energy Sectors. *International Journal of Information Management*, . Peer Review - Refereed

Journal Article, Academic Journal (Submitted)

He, W., Tian, S., He, Y. (under review). Using Health Belief Model and Social Media analytics to Obtain Insights From Hospital-Generated Twitter Messaging and Public Responses During the COVID-19 Pandemic. *Decision Support Systems*, ., Impact Factor: 4.721 Peer Review - Refereed

Journal Article, Academic Journal (Submitted)

Tian, S. (under review). Fake news sharing behavior of social media users in COVID-19 Pandemic: Impact of Personal, News, and Relational Factors. *Journal of the Association for Information Systems*, . Peer Review - Refereed

Journal Article, Academic Journal (Submitted)

Tian, S., Xing, Y., He, W., Zhang, Z., He, Y., S. J. (under review). Fake news sharing behavior of social media users in COVID-19 Pandemic: Impact of Personal, News, and Relational Factors. *Organization Studies*, .Peer Review - Refereed

Journal Article, Academic Journal (Submitted)

Tian, S. (under review). The Application of Artificial Intelligence in Industry 4.0: A Survey. *JOURNAL OF DATABASE MANAGEMENT*, .Peer Review - Refereed

Journal Article, Academic Journal (Submitted)

Zhang, J., He, W., Shetty, S., Tian, S., He, Y. (under review). Understanding Governance and Control Challenges of Blockchain Technology in Healthcare and Energy Sectors. *Information and Management*, ., Impact Factor: 5.155Peer Review - Refereed

Journal Article, Academic Journal (Submitted)

He, W., Tian, S., Yu, Y., Xing, Y. (under review). Bilingual Analysis of Online Hotel Reviews: A Case Study. *Information Systems Management*, ., Impact Factor: 2.4Peer Review - Refereed

Journal Article, Academic Journal (Submitted)

He, W., Tian, S., Yu, Y., Xing, Y. (under review). Conducting Big Bilingual Data Analytics of Online Hotel Reviews to Identify New Business Values: A Case Study. *Information Systems Management*, .Peer Review - Refereed

Journal Article, Academic Journal (Submitted)

Zhang, J., He, W., Tian, S., Li, W. (under review). Sharing Economy and Sustainable Development: A Cost-Based Analysis of Sharing Bicycle Issues. *Information Technology for Development*, ., Impact Factor: 1.493Peer Review - Refereed

Journal Article, Academic Journal (Working Paper)

Tian, S. (Working Paper). Adverse Effects of Sharing Economy: Shared Bicycle Abuse and Sustainable Development. *International Journal of Electronic Commerce*, ., Impact Factor: 3.439Peer Review - Refereed

Non-Refereed Journal Articles

Journal Article, Academic Journal (Submitted)

Chen, W., He, W., Tian, S., Shen, J., Wang, X. (under review). The Application of Artificial Intelligence in Industry 4.0 - A Survey. *Journal of Database Management*, .

Journal Article, Academic Journal (Submitted)

Xing, Y., Tian, S., Wang, X., He, W., Xing, G. (under review). Examining Weibo and Twitter Users' Privacy Concerns: A Comparative Analysis.

Conference Proceedings

Conference Proceeding (Published)

Li, Z., Tian, S., Chen, W. (2020). *The Correlation Between State Health Department's Tweets and Public Sentiment Toward COVID-19*. 51st Annual Conference of the Decision Sciences Institute. Peer Review - Refereed

Conference Proceeding (Published)

Li, Z., Han, M., Tian, S., He, S. (2020). *A Theory-Based Course Development Framework: A Case Study*. SIGITE2020. Peer Review - Refereed

Conference Proceeding (Published)

Tian, S., Li, Z. (2020). *Collaborative Online Learning for Information Security: A SunTrust Project Summary*. Cybersecurity Education, Research and Practice. Editorial Review

Conference Proceeding (Published)

Tian, S., Li, Z. (2020). *Collaborative Learning for Information Security Topics: A Pilot Study*. AMCIS 2020. Peer Review - Refereed

Conference Proceeding (Submitted)

He, W., Tian, S., Li, W., Zhang, J. (under review). *Adverse Effects of Sharing Economy: Shared Bicycle Abuse and Sustainable Development*. ICIS conference 2020. Peer Review - Refereed

Valero de Clemente, Maria (Assistant Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Zhao, L., Li, F., Valero, M. A. (2020). Hybrid Decentralized Data Analytics in Edge Computing Empowered IoT Networks. *IEEE Internet of Things Journal*, ., Impact Factor: 9.936, 11.705 (5-Year Impact Factor) Peer Review - Refereed

Journal Article, Academic Journal (Published)

Li, F., Valero, M. A., Clemente, J., Tse, Z., Song, W. (2020). Smart Sleep Monitoring System via Passively Sensing Human Vibration Signals. *IEEE Sensors Journal*, ., Impact Factor: 3.076 Peer Review - Refereed

Journal Article, Academic Journal (Published)

Clemente, J., Li, F., Valero, M. A., Song, W. (2020). Smart Seismic Sensing for Indoor Fall Detection, Location and Notification. *IEEE Journal of Biomedical and Health Informatics*, 24(2), 524--532, ., Impact Factor: 5.223 Peer Review - Refereed

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Li, F., Valero, M. A., Zhao, L., Mahmoud, Y. (2020). Cybersecurity Strategy against Cyber Attacks towards Smart Grids with PVs.

Journal Article, Academic Journal (Published)

Nasajpour, M., Pouriye, S., Meimandi Parizi, R., Dorodchi, M., Valero, M. A., Arabnia, H. R. (2020). Internet of Things for Current COVID-19 and Future Pandemics: An Exploratory Study. *Journal of Healthcare Informatics Research*, ., Impact Factor: 2.87, <https://link.springer.com/article/10.1007/s41666-020-00080-6>

Journal Article, Academic Journal (Published)

Li, F., Valero, M. A., Cheng, Y., Bai, T., Song, W. (2020). Distributed Sensor Networks based Shallow Subsurface Imaging and Infrastructure Monitoring. *IEEE Transactions on Signal and Information Processing over Networks*, 6, 241--250, ., Impact Factor: 3.153

Conference Proceedings

Conference Proceeding (Published)

Li, F., Valero, M. A., Shahriar, H. M., Khan, R. A., Ahamed, S. I. (2020). *Wi-COVID: A COVID-19 Symptom Detection and Patient Monitoring Framework using WiFi*. IEEE/ACM

international conference on Connected Health: Applications, Systems and Engineering Technologies (CHASE).Peer Review - Refereed

Conference Proceeding (Published)

Valero, M. A., Shahriar, H. M., Ahamed, S. (2020). R-Mon: An mhealth Tool for Real-time Respiratory Monitoring During Pandemics and Self-Isolation. *IEEE World Congress on Services (SERVICES)* (pp. 1--4). Proceedings of the 2nd IEEE Digital Health as a Service Symposium.Peer Review - Refereed

Conference Proceeding (Published)

Li, F., Valero, M. A., Zhao, L., Mahmoud, Y. (2020). *Cybersecurity Strategy against Cyber Attacks towards Smart Grids with PVs*. KSU Proceedings on Cybersecurity Education, Research and Practice..Peer Review - Refereed

Conference Proceeding (Published)

Clemente, J., Valero, M. A., Li, F., Wang, C., Song, W. (2020). *Helena: Real-time Contact-free Monitoring of Sleep Activities and Events around the Bed* (pp. 1--10). IEEE International Conference on Pervasive Computing and Communications (PerCom).Peer Review - Refereed

Conference Proceeding (Accepted)

Riad, A. B. M. K., Islam, M. S., Shahriar, H., Zhang, C., Valero, M. A., Sneha, S., Ahamed, S. (2020). *Plugin-based Tool for Teaching Secure Mobile Application Development* (pp. 10). Proc. of EDSIG Conference. <http://edsigcon.org>/Peer Review - Refereed

Xie, Ying (Professor)

Book Chapters

Book, Chapter in Scholarly Book-New (Accepted)

Li, J., Yang, M., Xie, Y., Li, Z. (2020). *A CU Depth Prediction Model Based on Pre-trained Convolutional Neural Network for HEVC Intra Encoding Complexity Reduction*.

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Jiang, W., Yang, M., Xie, Y., Li, Z. (2020). Machine Learning-Based Coding Decision Making in H.265/HEVC CTU Division and Intra Prediction. *International Journal of Mobile Computing and Multimedia Communications*, 11(2), 41-60, .

Journal Article, Academic Journal (Accepted)

Xie, Y., Le, L. (in press). KNN Loss and Deep KNN. *To appear in Fundamenta Informaticae, IOS Press*, .

Conference Proceedings

Conference Proceeding (Published)

Pawlowski, K., Chakravarty, S., Xie, Y., Joginipelly, A. K. (2020). *Action Recognition Using Dynamic Mode Decomposition for Temporal Representation*. Proceedings of 2020 IEEE International Conference on Big Data.Peer Review - Refereed

Conference Proceeding (Published)

Li, J., Jiang, W., Yang, M., Xie, Y., Li, Z. (2020). *A Machine Learning Method for Optimizing Partition of Prediction Block in Coding Unit in H.265/HEVC*. Marietta: 13th EAI

International Conference on Mobile Multimedia Communications. 1100 South Marietta ParkwayPeer Review - Refereed

Conference Proceeding (Accepted)

Le, L., Xie, Y., Alagapan, S., Chakravarty, S., Ordonez, P., Hales, M. E., Johnson II, J. D. (2020). *Deep Pose Alignment*. IEEE International Conference on Big Data.

Conference Proceeding

Han, M., Li, L., Xie, Y. (2020). *A Novel Framework for Collaborated IT Project with the Consideration of Data Security and Privacy*. 21st ACM Annual Conference on Information Technology Education (SIGITE).

Other Intellectual Contributions

Working Paper (In Preparation; Not Yet Submitted)

Le, L., Xie, Y., Alagapan, S. (In Preparation; Not Yet Submitted). *Deep Representation Learning on Motion Sequence Retrieval*.

Working Paper (Working Paper)

Le, L., Xie, Y., Alagapan, S. (Working Paper). *Analysis of Online Learning Concentration Levels on Facial Features*.

Yang, Ming (Professor)

Book Chapters

Book, Chapter in Scholarly Book-New (Accepted)

Li, J., Yang, M., Xie, Y., Li, Z. (2020). *A CU Depth Prediction Model Based on Pre-trained Convolutional Neural Network for HEVC Intra Encoding Complexity Reduction*.

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Jiang, W., Yang, M., Xie, Y., Li, Z. (2020). *Machine Learning-Based Coding Decision Making in H.265/HEVC CTU Division and Intra Prediction*. *International Journal of Mobile Computing and Multimedia Communications*, 11(2), 41-60, .

Conference Proceedings

Conference Proceeding (Published)

Li, J., Jiang, W., Yang, M., Xie, Y., Li, Z. (2020). *A Machine Learning Method for Optimizing Partition of Prediction Block in Coding Unit in H.265/HEVC*. Marietta: 13th EAI International Conference on Mobile Multimedia Communications. 1100 South Marietta ParkwayPeer Review - Refereed

Conference Proceeding (Published)

Chen, L., Wimmer, H., Yang, M., Wilbert, B. (2020). *A Practical Low-Cost Security Solution for Log Management and File Integrity Monitoring*. 13th EAI International Conference on Mobile Multimedia Communications.Peer Review - Refereed

Zhang, Chi (Associate Professor)

Book Chapters

Book, Chapter in Scholarly Book-New (Accepted)

Riad, A. B. M. K., Shahriar, H., Zhang, C., Barsha, F. (2021). Health Device Security and Privacy: A Comparative Analysis of Fitbit, Jawbone, Google Glass and Samsung Galaxy Watch. In Ahmed A. Elngar, Ambika Pawar, Prathamesh Churi (Ed.), *Data Protection and Privacy in Healthcare: Research and Innovations*. Taylor and Francis: Taylor & Francis. <https://easychair.org/cfp/DPPHRI2020> Peer Review - Refereed

Book, Chapter in Scholarly Book-New (Accepted)

Shahriar, H. M., Zhang, C., Islam, A., Islam, S. (2020). Mobile Application Security Using Static and Dynamic Analysis. In Yassine Maleh Mohammad Shojafar Mamoun Alazab Youssef Baddi (Ed.), *Machine Intelligence and Big Data Analytics For Cybersecurity Applications* (pp. 443-459). Springer: Springer. <https://link.springer.com/book/10.1007/978-3-030-57024-8> Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)

Zhang, C., Luo, I., Li, Y. (. (2021). In William Chismar, Tom Horan (Ed.), *Depression Detection Using Virtual Reality: A Literature Review*. Hawaii International Conference on System Sciences-54. <https://hicss.hawaii.edu/> Peer Review - Refereed

Conference Proceeding (Published)

Li, Y. (., Luo, I., Zhang, C. (2021). *Empathy Games for Depression Using Virtual Reality: A Literature Review and A Study Design*. Honolulu HI: Hawaii International Conference on System Sciences. <https://hicss.hawaii.edu/> Peer Review - Refereed

Conference Proceeding (Published)

Zhang, C., Shahriar, H. M. (2020). *The Adoption, Issues, and Challenges of Wearable Healthcare Technology for the Elderly*. SIGITE '20: Proceedings of the 21st Annual Conference on Information Technology Education. <https://dl.acm.org/doi/10.1145/3368308.3415454>

Conference Proceeding (Published)

Islam, M., Shahriar, H. M., Sneha, S., Zhang, C., Ahamed, S. (2020). *Mobile Sensor-Based Fall Detection Framework* (pp. 693-698). IEEE Computer Society: Proc. of 44th IEEE Computer Society Signature Conference on Computers, Software and Applications. Peer Review - Refereed

Conference Proceeding (Published)

Zhang, C., Shahriar, H. M., Riad, A. B. M. K. (2020). *Security and Privacy Analysis of Wearable Health Device* (pp. 1767-1772). IEEE Computer Society: Proc. of 44th IEEE Computer Society Signature Conference on Computers, Software and Applications. Peer Review - Refereed

Conference Proceeding (Accepted)

Riad, A. B. M. K., Islam, M. S., Shahriar, H., Zhang, C., Valero, M. A., Sneha, S., Ahamed, S. (2020). *Plugin-based Tool for Teaching Secure Mobile Application Development* (pp. 10). Proc. of EDSIG Conference. <http://edsigcon.org/> Peer Review - Refereed

Conference Proceeding (Accepted)

Zhang, C., Shahriar, H. M. (2020). *The Adaptation, Issues, and Future of Wearable Technology in Healthcare* (pp. 4). ACM: ACM SIGITE. Peer Review - Refereed

Other Intellectual Contributions

Manuscript (Accepted)

Zhang, C., Zander, H. (in press). *The Adaptation and Issues of Wearable Technology in Healthcare*. Southern Association for Information Systems (SAIS).

Zhao, Liang (Assistant Professor)

Book Chapters

Book, Chapter in Scholarly Book-New (Submitted)

Zhao, L. (under review). Blockchain-enabled Distributed Data Analytics for Internet of Things and Cyber Physical Systems. *Advances in Data Analytics and Complex Communication Networks*. IGI-Global.

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Zhao, L., Li, F., Valero, M. A. (2020). Hybrid Decentralized Data Analytics in Edge Computing Empowered IoT Networks. *IEEE Internet of Things Journal*, ., Impact Factor: 9.936, 11.705 (5-Year Impact Factor)Peer Review - Refereed

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Li, F., Valero, M. A., Zhao, L., Mahmoud, Y. (2020). Cybersecurity Strategy against Cyber Attacks towards Smart Grids with PVs.

Journal Article, Academic Journal (Published)

Zhao, L. (2020). Privacy-Preserving Distributed Analytics in Fog-enabled IoT Systems. *Sensors*, ., Impact Factor: 3.275 (2019) ; 5-Year Impact Factor: 3.427 (2019), <https://www.mdpi.com/1424-8220/20/21/6153>

Conference Proceedings

Conference Proceeding (Published)

Li, F., Valero, M. A., Zhao, L., Mahmoud, Y. (2020). *Cybersecurity Strategy against Cyber Attacks towards Smart Grids with PVs*. KSU Proceedings on Cybersecurity Education, Research and Practice..Peer Review - Refereed

Zheng, Jack (Associate Professor)

Conference Proceedings

Conference Proceeding (Published)

He, S., Han, M., Zheng, G., Ray, H. E. (2020). Implementing Capsule Neural Networks in Traffic Light Image Recognition. *Proceedings of the 2020 ACM Southeast Conference* (pp. 301--302).

Department of Software Engineering and Game Development

Dehbozorgi, Nasrin (Assistant Professor)

Conference Proceedings

Conference Proceeding (Published)

Dehbozorgi, N. (2020). *Sentiment Analysis on Conversations in Collaborative Active Learning as an Early Predictor of Performance*. 2020 IEEE Frontiers in Education Conference (FIE). <https://ieeexplore.ieee.org/abstract/document/9274119>Peer Review - Refereed

Franklin, Michael (Associate Professor)

Book Chapters

Book, Chapter in Scholarly Book-New (Published)

Franklin, D. M., Castle, K., Walton-Mouw, R. (2020). Human Interactions, Emerging Technologies, and Future Applications: Early-detection and Treatment of Torticollis in Infants using Augmented Reality. In Ahrum, Taiar, Gremeaux-Bader, Aminian (Ed.), *2020 Human Interactions, Emerging Technologies, and Future Applications II* (vol. 1152, pp. 340-346). Cham: Springer. Peer Review - Refereed

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Franklin, D. M. (2020). Journal of Computer Engineering & Information Technology: Multi-Agent Coordinated Strategic Team Behavior. *Pulsus*, 9(July 2020), 15, .Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)

Franklin, D. M. (2020). *SiMAMT: An Interactive 3D Graphical Simulation Environment for Strategy-Based Multi-Agent Multi-Team Systems*. Robotics and AI 2020. Peer Review - Refereed

Conference Proceeding (Published)

Franklin, D. M., Irminger, P., Buckberry, H., Bhandari, M. (2020). *Using AI Simulations to Dynamically Model Multi-Agent Multi-Team Energy Systems*. Computing Conference 2020. Peer Review - Refereed

Conference Proceeding (Published)

Franklin, D. M. (2020). Multi-Agent Coordinated Strategic Team Behavior. In Pulsus (Ed.), *International Conference on Robotics and Artificial Intelligence*. Windsor, Berkshire: Pulsus.

Conference Proceeding (Published)

Franklin, D. M. (2020). *Strategic Inference in Adversarial Encounters Using Graph Matching*. London: Computing Conference 2020. Peer Review - Refereed

Conference Proceeding (Accepted)

Franklin, D. M. (in press). *Communicative Artificial Intelligence in Multi-Agent Gaming*. Future of Information and Communication Conference. Peer Review - Refereed

Conference Proceeding (Accepted)

Franklin, D. M. (in press). *firstGlimpse: Learning How to Learn through Observation via Memory Modeling with Reinforcement Learning*. Future of Information and Communication Conference.

Huang, Yan (Assistant Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Mothukuri, V., Meimandi Parizi, R., Pouriye, S., Huang, Y., Dehghantanha, A., Srivastava, G. (2020). A survey on security and privacy of federated learning. *Future Generation Computer Systems*, 115, 619 - 640, ., Impact Factor: 6.125, <http://www.sciencedirect.com/science/article/pii/S0167739X20329848>Peer Review - Refereed

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

He, Z., Sai, A. M.V.V., Huang, Y., Seo, D., Zhang, H., Han, Q. (2021). Differentially private approximate aggregation based on feature selection. *Journal of Combinatorial Optimization*, ., Impact Factor: 1.003

Journal Article, Academic Journal (Published)

Zhao, F., Skums, P., Zelikovsky, A., Sevigny, E. L., Swahn, M. H., Strasser, S. M., Huang, Y., Wu, Y. (2020). Computational Approaches to Detect Illicit Drug Ads and Find Vendor Communities Within Social Media Platforms. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, 1-1, ., Impact Factor: 2.428

Journal Article, Academic Journal (Published)

Pang, J., Huang, Y., Xie, Z., Han, Q., Cai, Z. (2020). Realizing the Heterogeneity: A Self-Organized Federated Learning Framework for IoT. *IEEE Internet of Things Journal*, 1-1, ., Impact Factor: 11.750

Journal Article, Academic Journal (Accepted)

Xie, Z., Hu, L., Huang, Y., Pang, J. (in press). A Semi-opportunistic Task Allocation Framework For Mobile Crowdsensing with Deep Learning. *To appear in Wireless Communications and Mobile Computing*, ., Impact Factor: 1.819

Conference Proceedings

Conference Proceeding (Published)

Zhao, F., Huang, Y., Zhu, S., Malladi, V., Wu, Y. (2020). *A Weighted Federated Averaging Framework to Reduce the Negative Influence from the Dishonest Users*. The 13th International Conference on Security, Privacy and Anonymity in Computation, Communication and Storage..

Conference Proceeding (Published)

Yang, J., Huang, Y., Xie, Z., Pang, J., Li, W. (2020). *Image Privacy Protection by Particle Swarm Optimization based Pivot Pixel Modification*. 2020 International Conference on Internet of Things.

Conference Proceeding (Accepted)

Huang, Y., Cai, Z., Pang, J., Xie, Z., Bourgeois, A. G. (in press). *Game Theory Based Privacy Protection for Context-Aware Services with Long-Term Time Series Data*. 2021 IEEE International Conference on Communications (ICC'2021).

Conference Proceeding (Accepted)

Zhao, F., Huang, Y., Sai, A. M.V.V., Wu, Y. (2020). *A Cluster-based Solution to Achieve Fairness in Federated Learning*. 13th IEEE International Conference on Social Computing and Networking.

Li, Joy (Assistant Professor)

Book Chapters

Book, Chapter in Scholarly Book-New (Accepted)

Li, Y. (., Sokhadze, E. M., Li, H. (., Elmaghraby, A. S. (in press). In Ioan Opris, Mikhail Lebedev, Manuel Casanova (Ed.), *Affective Virtual Reality Gaming for Autism*. Modern Approaches to Augmentation of Brain Function/Springer International Publishing. <https://www.springer.com/gp/book/9783030545635>Editorial Review

Refereed Journal Articles

Journal Article, Academic Journal (Not Accepted)

Li, Y. (., Luo, H. (., Sokhadze, E. M., Elmaghraby, A. S. (Not Accepted). Utilizing Human Emotional Responses for the Design of Adaptive Virtual Environments. *Frontiers in Human Neuroscience Brain-Computer Interfaces*, ., Impact Factor: 2.673, <https://www.frontiersin.org/journals/human-neuroscience>Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)

Zhang, C., Luo, I., Li, Y. ((2021). In William Chismar, Tom Horan (Ed.), *Depression Detection Using Virtual Reality: A Literature Review*. Hawaii International Conference on System Sciences-54. <https://hicss.hawaii.edu/>Peer Review - Refereed

Conference Proceeding (Published)

Li, Y. (., Luo, I., Zhang, C. (2021). *Empathy Games for Depression Using Virtual Reality: A Literature Review and A Study Design*. Honolulu HI: Hawaii International Conference on System Sciences. <https://hicss.hawaii.edu/>Peer Review - Refereed

Conference Proceeding (Published)

Zhang, J., Mullikin, M., Li, J., Mei, C. (2020). *A Methodology of Eye Gazing Attention Determination for VR Training* (pp. 138-141). 2020 IEEE Conference on Virtual Reality and 3D User Interfaces Abstracts and Workshops (VRW).Peer Review - Refereed

Conference Proceeding (Submitted)

Li, Y., Baxter, C., Mei, C., Li, J. (under review). *Affective Virtual Reality Application for Depression Detection*. FLAIRS-34.

Conference Proceeding (Submitted)

Mekbib, E., Baxter, C., Mei, C., Li, Y. ((under review). *Designing Virtual Reality Games for Autistic Children with Mood Induction*. IEEE VR Conference 2021. <http://ieeervr.org/2021/>

Conference Proceeding (Submitted)

Yu, S., Li, Y. ((under review). *Designing Virtual Reality Games for Empathy in Medical Education*. IEEE VR Conference 2021. <http://ieeervr.org/2021/>

Other Intellectual Contributions

Published Abstract (Published)

Baxter, C., Sokhadze, E., Li, J. (2020). *Affective Virtual Reality Game for Depression Symptoms Detection Using Psychophysiological and Behavioral Measures* (4th ed., vol. 7, pp. 173-174). Neuroregulation Proceedings of the 2020 ISNR Annual Conference (Virtual). <https://www.neuroregulation.org/article/view/21084> Peer Review - Refereed

Li, Xia (Assistant Professor)

Conference Proceedings

Conference Proceeding (Published)

Benton, S., Li, X., Lou, Y., Zhang, L. (2020). On the Effectiveness of Unified Debugging: An Extensive Study on 16 Program Repair Systems. *2020 35th IEEE/ACM International Conference on Automated Software Engineering (ASE)* (pp. 907--918).

Mei, Chao (Assistant Professor)

Conference Proceedings

Conference Proceeding (Published)

He, S., Han, M., Yu, L., Mei, C. (2020). *Lung Pattern Classification Via DCNN*. IEEE BigData 2020.

Conference Proceeding (Published)

Zhang, J., Mullikin, M., Li, J., Mei, C. (2020). *A Methodology of Eye Gazing Attention Determination for VR Training* (pp. 138-141). 2020 IEEE Conference on Virtual Reality and 3D User Interfaces Abstracts and Workshops (VRW). Peer Review - Refereed

Conference Proceeding (Not Accepted)

Johnson, A., Standley, X., Zeufack, V., Guo, R., Mei, C. (Not Accepted). *Increase the Awareness of ASD through A Virtual Reality Game Written by A Student with Special Needs*.

Conference Proceeding (Submitted)

Li, Y., Baxter, C., Mei, C., Li, J. (under review). *Affective Virtual Reality Application for Depression Detection*. FLAIRS-34.

Conference Proceeding (Submitted)

Mekbib, E., Baxter, C., Mei, C., Li, Y. (. (under review). *Designing Virtual Reality Games for Autistic Children with Mood Induction*. IEEE VR Conference 2021. <http://ieeevr.org/2021/>

Meimandi Parizi, Reza (Assistant Professor)

Book Chapters

Book, Chapter in Scholarly Book-New (Published)

Peters, W., Dehghantanha, A., Meimandi Parizi, R., Srivastava, G. (2020). A Comparison of State-of-the-Art Machine Learning Models for OpCode-Based IoT Malware Detection. In Choo, Kim-Kwang Raymond; Dehghantanha, Ali (Ed.), *Handbook of Big Data Privacy*

(pp. 109--120). Cham: Springer International Publishing.
https://doi.org/10.1007/978-3-030-38557-6_6Peer Review - Refereed

Book, Chapter in Scholarly Book-New (Published)

Saharkhizan, M., Azmoodeh, A., HaddadPajouh, H., Dehghantanha, A., Meimandi Parizi, R., Srivastava, G. (2020). A Hybrid Deep Generative Local Metric Learning Method for Intrusion Detection. In Choo, Kim-Kwang Raymond; Dehghantanha, Ali (Ed.), *Handbook of Big Data Privacy* (pp. 343--357). Cham: Springer International Publishing.
https://doi.org/10.1007/978-3-030-38557-6_16Peer Review - Refereed

Book, Chapter in Scholarly Book-New (Published)

Amrollahi, M., Dehghantanha, A., Meimandi Parizi, R. (2020). A Survey on Application of Big Data in Fin Tech Banking Security and Privacy. In Choo, Kim-Kwang Raymond; Dehghantanha, Ali (Ed.), *Handbook of Big Data Privacy* (pp. 319--342). Cham: Springer International Publishing. https://doi.org/10.1007/978-3-030-38557-6_15Peer Review - Refereed

Book, Chapter in Scholarly Book-New (Published)

Ekramifard, A., Amintoosi, H., Seno, A. H., Dehghantanha, A., Meimandi Parizi, R. (2020). A Systematic Literature Review of Integration of Blockchain and Artificial Intelligence. In Choo, Kim-Kwang Raymond; Dehghantanha, Ali; Parizi, Reza M. (Ed.), *Blockchain Cybersecurity, Trust and Privacy* (pp. 147--160). Cham: Springer International Publishing.
https://doi.org/10.1007/978-3-030-38181-3_8Peer Review - Refereed

Book, Chapter in Scholarly Book-New (Published)

Azmoodeh, A., Dehghantanha, A., Meimandi Parizi, R., Hashemi, S., Gharabaghi, B., Srivastava, G. (2020). Active Spectral Botnet Detection Based on Eigenvalue Weighting. In Choo, Kim-Kwang Raymond; Dehghantanha, Ali (Ed.), *Handbook of Big Data Privacy* (pp. 385--397). Cham: Springer International Publishing.
https://doi.org/10.1007/978-3-030-38557-6_19Peer Review - Refereed

Book, Chapter in Scholarly Book-New (Published)

Sakhnini, J., Karimipour, H., Dehghantanha, A., Meimandi Parizi, R. (2020). AI and Security of Critical Infrastructure. In Choo, Kim-Kwang Raymond; Dehghantanha, Ali (Ed.), *Handbook of Big Data Privacy* (pp. 7--36). Cham: Springer International Publishing.
https://doi.org/10.1007/978-3-030-38557-6_2Peer Review - Refereed

Book, Chapter in Scholarly Book-New (Published)

Cabello, J. C., Karimipour, H., Jahromi, A. N., Dehghantanha, A., Meimandi Parizi, R. (2020). Big-Data and Cyber-Physical Systems in Healthcare: Challenges and Opportunities. In Choo, Kim-Kwang Raymond; Dehghantanha, Ali (Ed.), *Handbook of Big Data Privacy* (pp. 255--283). Cham: Springer International Publishing.
https://doi.org/10.1007/978-3-030-38557-6_12Peer Review - Refereed

Book, Chapter in Scholarly Book-New (Published)

Rouzbahani, H. M., Karimipour, H., Dehghantanha, A., Meimandi Parizi, R. (2020). Blockchain Applications in Power Systems: A Bibliometric Analysis. In Choo, Kim-Kwang Raymond; Dehghantanha, Ali; Parizi, Reza M. (Ed.), *Blockchain Cybersecurity, Trust and Privacy* (pp. 129--145). Cham: Springer International Publishing.
https://doi.org/10.1007/978-3-030-38181-3_7Peer Review - Refereed

Book, Chapter in Scholarly Book-New (Published)

Meimandi Parizi, R., Dehghantanha, A., Azmoodeh, A., Choo, K.-K. R. (2020). Blockchain in Cybersecurity Realm: An Overview. In Choo, Kim-Kwang Raymond; Dehghantanha, Ali; Parizi, Reza M. (Ed.), *Blockchain Cybersecurity, Trust and Privacy* (pp. 1--5). Cham:

Springer International Publishing. https://doi.org/10.1007/978-3-030-38181-3_1Peer Review - Refereed

Book, Chapter in Scholarly Book-New (Published)

Liu, L., Han, M., Zhou, Y., Meimandi Parizi, R., Korayem, M. (2020). Blockchain-Based Certification for Education, Employment, and Skill with Incentive Mechanism. In Choo, Kim-Kwang Raymond; Dehghantanha, Ali; Parizi, Reza M. (Ed.), *Blockchain Cybersecurity, Trust and Privacy* (pp. 269--290). Cham: Springer International Publishing. https://doi.org/10.1007/978-3-030-38181-3_14Peer Review - Refereed

Book, Chapter in Scholarly Book-New (Published)

Click, K., Singh, A., Meimandi Parizi, R., Srivastava, G., Dehghantanha, A. (2020). Immutable and Secure IP Address Protection Using Blockchain. In Choo, Kim-Kwang Raymond; Dehghantanha, Ali; Parizi, Reza M. (Ed.), *Blockchain Cybersecurity, Trust and Privacy* (pp. 233--246). Cham: Springer International Publishing. https://doi.org/10.1007/978-3-030-38181-3_12Peer Review - Refereed

Book, Chapter in Scholarly Book-New (Published)

Al-Abassi, A., Karimipour, H., HaddadPajouh, H., Dehghantanha, A., Meimandi Parizi, R. (2020). Industrial Big Data Analytics: Challenges and Opportunities. In Choo, Kim-Kwang Raymond; Dehghantanha, Ali (Ed.), *Handbook of Big Data Privacy* (pp. 37--61). Cham: Springer International Publishing. https://doi.org/10.1007/978-3-030-38557-6_3Peer Review - Refereed

Book, Chapter in Scholarly Book-New (Published)

Mozaffari, F. S., Karimipour, H., Meimandi Parizi, R. (2020). Learning Based Anomaly Detection in Critical Cyber-Physical Systems. In Karimipour, Hadis; Srikantha, Pirathayini; Farag, Hany; Wei-Kocsis, Jin (Ed.), *Security of Cyber-Physical Systems: Vulnerability and Impact* (pp. 107--130). Cham: Springer International Publishing. https://doi.org/10.1007/978-3-030-45541-5_6Peer Review - Refereed

Book, Chapter in Scholarly Book-New (Published)

Nassiri, M., HaddadPajouh, H., Dehghantanha, A., Karimipour, H., Meimandi Parizi, R., Srivastava, G. (2020). Malware Elimination Impact on Dynamic Analysis: An Experimental Machine Learning Approach. In Choo, Kim-Kwang Raymond; Dehghantanha, Ali (Ed.), *Handbook of Big Data Privacy* (pp. 359--370). Cham: Springer International Publishing. https://doi.org/10.1007/978-3-030-38557-6_17Peer Review - Refereed

Book, Chapter in Scholarly Book-New (Published)

Singh, A., Meimandi Parizi, R., Han, M., Dehghantanha, A., Karimipour, H., Choo, K.-K. R. (2020). Public Blockchains Scalability: An Examination of Sharding and Segregated Witness. In Choo, Kim-Kwang Raymond; Dehghantanha, Ali; Parizi, Reza M. (Ed.), *Blockchain Cybersecurity, Trust and Privacy* (pp. 203--232). Cham: Springer International Publishing. https://doi.org/10.1007/978-3-030-38181-3_11Peer Review - Refereed

Book, Chapter in Scholarly Book-New (Published)

BehradFar, M. M., HaddadPajouh, H., Dehghantanha, A., Azmoodeh, A., Karimipour, H., Meimandi Parizi, R., Srivastava, G. (2020). RAT Hunter: Building Robust Models for Detecting Remote Access Trojans Based on Optimum Hybrid Features. In Choo, Kim-Kwang Raymond; Dehghantanha, Ali (Ed.), *Handbook of Big Data Privacy* (pp. 371--383). Cham: Springer International Publishing. https://doi.org/10.1007/978-3-030-38557-6_18Peer Review - Refereed

Book, Chapter in Scholarly Book-New (Published)

Tiba, K., Meimandi Parizi, R., Zhang, Q., Dehghantanha, A., Karimipour, H., Choo, K.-K. R. (2020). Secure Blockchain-Based Traffic Load Balancing Using Edge Computing and Reinforcement Learning. In Choo, Kim-Kwang Raymond; Dehghantanha, Ali; Parizi, Reza M. (Ed.), *Blockchain Cybersecurity, Trust and Privacy* (pp. 99--128). Cham: Springer International Publishing. https://doi.org/10.1007/978-3-030-38181-3_6Peer Review - Refereed

Book, Chapter in Scholarly Book-New (Published)

Srivastava, G., Meimandi Parizi, R., Dehghantanha, A. (2020). The Future of Blockchain Technology in Healthcare Internet of Things Security. In Choo, Kim-Kwang Raymond; Dehghantanha, Ali; Parizi, Reza M. (Ed.), *Blockchain Cybersecurity, Trust and Privacy* (pp. 161--184). Cham: Springer International Publishing. https://doi.org/10.1007/978-3-030-38181-3_9Peer Review - Refereed

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Yazdinejad, A., Meimandi Parizi, R., Bohlooli, A., Dehghantanha, A., Choo, K.-K. R. (2020). A high-performance framework for a network programmable packet processor using P4 and FPGA. *Journal of Network and Computer Applications*, 156, 102564, ., <http://www.sciencedirect.com/science/article/pii/S1084804520300382>Peer Review - Refereed

Journal Article, Academic Journal (Published)

Mothukuri, V., Meimandi Parizi, R., Pouriye, S., Huang, Y., Dehghantanha, A., Srivastava, G. (2020). A survey on security and privacy of federated learning. *Future Generation Computer Systems*, 115, 619 - 640, ., Impact Factor: 6.125, <http://www.sciencedirect.com/science/article/pii/S0167739X20329848>Peer Review - Refereed

Journal Article, Academic Journal (Published)

HaddadPajouh, H., Khayami, R., Dehghantanha, A., Choo, K.-K. R., Meimandi Parizi, R. (2020). AI4SAFE-IoT: an AI-powered secure architecture for edge layer of Internet of things. *Neural Computing and Applications*, ., <https://doi.org/10.1007/s00521-020-04772-3>Peer Review - Refereed

Journal Article, Academic Journal (Published)

Yazdinejad, A., Meimandi Parizi, R., Dehghantanha, A., Zhang, Q., Choo, K. R. (2020). An Energy-efficient SDN Controller Architecture for IoT Networks with Blockchain-based Security. *IEEE Transactions on Services Computing*, 1-1, ., <https://ieeexplore.ieee.org/document/8960432>Peer Review - Refereed

Journal Article, Academic Journal (Published)

Jahromi, A. N., Hashemi, S., Dehghantanha, A., Meimandi Parizi, R., Choo, K. R. (2020). An Enhanced Stacked LSTM Method With No Random Initialization for Malware Threat Hunting in Safety and Time-Critical Systems. *IEEE Transactions on Emerging Topics in Computational Intelligence*, 1-11, .Peer Review - Refereed

Journal Article, Academic Journal (Published)

Al-Abassi, A., Karimipour, H., Dehghantanha, A., Meimandi Parizi, R. (2020). An Ensemble Deep Learning-Based Cyber-Attack Detection in Industrial Control System. *IEEE Access*, 8, 83965-83973, .Peer Review - Refereed

Journal Article, Academic Journal (Published)

Saharkhizan, M., Azmoodeh, A., Dehghantanha, A., Choo, K. R., Meimandi Parizi, R. (2020). An Ensemble of Deep Recurrent Neural Networks for Detecting IoT Cyber Attacks Using Network Traffic. *IEEE Internet of Things Journal*, 1-1, .Peer Review - Refereed

Journal Article, Academic Journal (Published)

Singh, A., Meimandi Parizi, R., Zhang, Q., Choo, K.-K., Dehghantanha, A. (2020). Blockchain smart contracts formalization: Approaches and challenges to address vulnerabilities. *Computers & Security*, 88, 101654, ., <http://www.sciencedirect.com/science/article/pii/S0167404818310927>Peer Review - Refereed

Journal Article, Academic Journal (Published)

Yazdinejad, A., Meimandi Parizi, R., Dehghantanha, A., Srivastava, G., Mohan, S., Rababah, A. M. (2020). Cost optimization of secure routing with untrusted devices in software defined networking. *Journal of Parallel and Distributed Computing*, 143, 36 - 46, ., <http://www.sciencedirect.com/science/article/pii/S0743731519306288>Peer Review - Refereed

Journal Article, Academic Journal (Published)

Yazdinejad, A., Srivastava, G., Meimandi Parizi, R., Dehghantanha, A., Choo, K. R., Aledhari, M. (2020). Decentralized Authentication of Distributed Patients in Hospital Networks using Blockchain. *IEEE Journal of Biomedical and Health Informatics*, 1-1, ., <https://ieeexplore.ieee.org/document/8970497/authors>Peer Review - Refereed

Journal Article, Academic Journal (Published)

Yazdinejad, A., Meimandi Parizi, R., Dehghantanha, A., Karimipour, H., Srivastava, G., Aledhari, M. (2020). Enabling Drones in the Internet of Things with Decentralized Blockchain-based Security. *IEEE Internet of Things Journal*, 1-1, .Peer Review - Refereed

Journal Article, Academic Journal (Published)

Aledhari, M., Razzak, R., Meimandi Parizi, R., Saeed, F. (2020). Federated Learning: A Survey on Enabling Technologies, Protocols, and Applications. *IEEE Access*, 1-1, ., <https://ieeexplore.ieee.org/abstract/document/9153560>Peer Review - Refereed

Journal Article, Academic Journal (Published)

Maddikunta, P. K. R., Gadekallu, T. R., Kaluri, R., Srivastava, G., Meimandi Parizi, R., Khan, M. S. (2020). Green communication in IoT networks using a hybrid optimization algorithm. *Computer Communications*, 159, 97 - 107, ., <http://www.sciencedirect.com/science/article/pii/S0140366420301286>Peer Review - Refereed

Journal Article, Academic Journal (Published)

Haddadpajouh, H., Azmoodeh, A., Dehghantanaha, A., Meimandi Parizi, R. (2020). MVFCC: A Multi-View Fuzzy Consensus Clustering Model for Malware Threat Attribution. *IEEE Access*, 1-1, ., <https://ieeexplore.ieee.org/abstract/document/9152031>Peer Review - Refereed

Journal Article, Academic Journal (Published)

Yazdinejad, A., Meimandi Parizi, R., Dehghantanha, A., Choo, K.-K. (2020). P4-to-blockchain: A secure blockchain-enabled packet parser for software defined networking. *Computers & Security*, 88, 101629, ., <http://www.sciencedirect.com/science/article/pii/S0167404819301762>Peer Review - Refereed

Journal Article, Academic Journal (Published)

Zolfaghari, B., Meimandi Parizi, R., Srivastava, G., Hailemariam, Y. (2020). Root causing, detecting, and fixing flaky tests: State of the art and future roadmap. *Software: Practice and Experience*, n/a(n/a), ., <https://onlinelibrary.wiley.com/doi/abs/10.1002/spe.2929>Peer Review - Refereed

Journal Article, Academic Journal (Published)

Singh, A., Click, K., Meimandi Parizi, R., Zhang, Q., Dehghantanha, A., Choo, K.-K. (2020). Sidechain technologies in blockchain networks: An examination and state-of-the-art review. *Journal of Network and Computer Applications*, 149, 102471, ., <http://www.sciencedirect.com/science/article/pii/S1084804519303315>Peer Review - Refereed

Journal Article, Academic Journal (Published)

Paranjothi, A., Khan, M. S., Patan, R., Meimandi Parizi, R., Atiquzzaman, M. (2020). VANETomo: A congestion identification and control scheme in connected vehicles using network tomography. *Computer Communications*, 151, 275 - 289, ., <http://www.sciencedirect.com/science/article/pii/S0140366419313696>Peer Review - Refereed

Journal Article, Academic Journal (Published)

Darabian, H., Homayounoot, S., Dehghantanha, A., Hashemi, S., Karimipour, H., Meimandi Parizi, R., Choo, K.-K. R. (2020). Detecting Cryptomining Malware: a Deep Learning Approach for Static and Dynamic Analysis. *Journal of Grid Computing*, ., <https://doi.org/10.1007/s10723-020-09510-6>Peer Review - Refereed

Journal Article, Academic Journal (Published)

Darabian, H., Dehghantanha, A., Hashemi, S., Taheri, M., Azmoodeh, A., Homayoun, S., Choo, K.-K. R., Meimandi Parizi, R. (2020). A multiview learning method for malware threat hunting: windows, IoT and android as case studies. *World Wide Web*, ., <https://doi.org/10.1007/s11280-019-00755-0>Peer Review - Refereed

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Ayub, M. F., Shamshad, S., Mahmood, K., Islam, S. H., Meimandi Parizi, R., Choo, K. -K. (2020). A Provably Secure Two-Factor Authentication Scheme for USB Storage Devices. *IEEE Transactions on Consumer Electronics*, 66(4), 396-405, .

Journal Article, Academic Journal (Published)

Nowroozi, E., Dehghantanha, A., Meimandi Parizi, R., Choo, K.-K. R. (2020). A Survey of Machine Learning Techniques in Adversarial Image Forensics. *Computers & Security*, 102092, ., <http://www.sciencedirect.com/science/article/pii/S0167404820303655>

Journal Article, Academic Journal (Published)

Chen, Q., Srivastava, G., Meimandi Parizi, R., Aloqaily, M., Ridhawi, I. A. (2020). An incentive-aware blockchain-based solution for internet of fake media things. *Information Processing & Management*, 102370, ., <http://www.sciencedirect.com/science/article/pii/S0306457320308657>

Journal Article, Academic Journal (Published)

Yazdinejad, A., HaddadPajouh, H., Dehghantanha, A., Meimandi Parizi, R., Srivastava, G., Chen, M.-Y. (2020). Cryptocurrency malware hunting: A deep Recurrent Neural Network approach. *Applied Soft Computing*, 96, 106630, ., <http://www.sciencedirect.com/science/article/pii/S1568494620305688>

Journal Article, Academic Journal (Published)

Kebande, V. R., Baror, S. O., Meimandi Parizi, R., Choo, K.-K. R., Venter, H.S. (2020). Mapping digital forensic application requirement specification to an international standard. *Forensic Science International: Reports*, 2, 100137, ., <http://www.sciencedirect.com/science/article/pii/S2665910720300864>

Journal Article, Academic Journal (Published)

Delavarian, M., Marouzi, O. R., Hassanpour, H., Meimandi Parizi, R., Khan, M. S. (2020). Multi-camera multiple vehicle tracking in urban intersections based on multilayer graphs. *IET Intelligent Transport Systems*, 14(12), 1673-1690, .

Journal Article, Academic Journal (Published)

Choo, K. -K., Ozcan, S., Dehghantanha, A., Meimandi Parizi, R. (2020). Editorial: Blockchain Ecosystem—Technological and Management Opportunities and Challenges. *IEEE Transactions on Engineering Management*, 67(4), 982-987, .

Journal Article, Academic Journal (Published)

Nasajpour, M., Pouriye, S., Meimandi Parizi, R., Dorodchi, M., Valero, M. A., Arabnia, H. R. (2020). Internet of Things for Current COVID-19 and Future Pandemics: An Exploratory Study. *Journal of Healthcare Informatics Research*, ., Impact Factor: 2.87, <https://link.springer.com/article/10.1007/s41666-020-00080-6>

Conference Proceedings

Conference Proceeding (Published)

Xu, X., He, S., Han, M., Meimandi Parizi, R., Srivastava, G. (2020). Budget Feasible Roadside Unit Allocation Mechanism in Vehicular Ad-Hoc Networks. *2020 IEEE 91st Vehicular Technology Conference (VTC2020-Spring)* (pp. 1-5).

Conference Proceeding (Published)

Asrafi, N., Lo, D. C.-T., Meimandi Parizi, R., Shi, Y., Chen, Y.-W. (2020). Comparing Performance of Malware Classification on Automated Stacking. *Proceedings of the 2020 ACM Southeast Conference* (pp. 307–308). New York, NY, USA: Association for Computing Machinery. <https://doi.org/10.1145/3374135.3385316> Peer Review - Refereed

Conference Proceeding (Published)

Yazdinejad, A., Srivastava, G., Meimandi Parizi, R., Dehghantanha, A., Karimipour, H., Karizno, S. R. (2020). SLPoW: Secure and Low Latency Proof of Work Protocol for Blockchain in Green IoT Networks. *2020 IEEE 91st Vehicular Technology Conference (VTC2020-Spring)* (pp. 1-5). Peer Review - Refereed

Conference Proceeding (Published)

Pouriye, S., Meimandi Parizi, R. (2020). *Towards Federated Learning-based IoT Security*. Kennesaw, GA: KSU Proceedings On Cybersecurity Education, Research And Practice. Peer Review - Refereed

Conference Proceeding (Published)

Polap, D., Srivastava, G., Jolfaei, A., Meimandi Parizi, R. (2020). Blockchain Technology and Neural Networks for the Internet of Medical Things. *IEEE INFOCOM 2020 - IEEE Conference on Computer Communications Workshops (INFOCOM WKSHPS)* (pp. 508-513).

Pournaghshband, Hassan (Professor)

Conference Proceedings

Conference Proceeding (Published)

Okpok, M., Pournaghshband, H. (2020). *Software Development Success Criteria for Projects*. ACM Southeast 2020 Conference. Peer Review - Refereed

Conference Proceeding (Accepted)

Pournaghshband, H., Pournaghshband, V. (in press). *A Project-Based Approach to Teach Security Concepts in Introductory Courses*. Consortium for Computing Sciences in Colleges Rocky Mountain 2020.

Conference Proceeding (Accepted)

Pournaghshband, V., Pournaghshband, H. (in press). *Entailing Security Mindset in Foundational CS Courses: An Interactive Approach*. Consortium for Computing Sciences in Colleges Midwestern (CCSC-MW). 2020.

Conference Proceeding (Accepted)

Pournaghshband, H., O'Dowd, S. (in press). *Gamification Integration and Student Motivation*. Systemics, Cybernetics and Informatics: WMSCI 2020. Peer Review - Refereed

Conference Proceeding (In Preparation; Not Yet Submitted)

pournaghshband, h. (In Preparation; Not Yet Submitted). *Interactive vs Traditional Teaching*. atlanta:.

Robertson, Joseph (Assistant Professor)

Conference Proceedings

Conference Proceeding (Published)

Kokkinakis, A. V., Demediuk, S., Nölle, I., Olarewaju, O., Patra, S., Robertson, J. J., York, P., Chitayat, A. P., Coates, A., Slawson, D., Hughes, P., Hardie, N., Kirman, B., Hook, J., Drachen, A., Ursu, M. F., Block, F. (2020). *DAX: Data-Driven Audience Experiences in Esports*. New York, NY: ACM International Conference on Interactive Media Experiences (IMX 2020). Peer Review - Refereed

Spoletini, Paola (Professor)

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Elrakaiby, Y., Spoletini, P., Nuseibeh, B. (2020). *Optimal by Design: Model-Driven Synthesis of Adaptation Strategies for Autonomous Systems*. *arXiv preprint arXiv:2001.08525*, .

Journal Article, Academic Journal (Published)

Ferrari, A., Spoletini, P., Bano, M., Zowghi, D. (2020). *SaPeer and ReverseSaPeer: teaching requirements elicitation interviews with role-playing and role reversal*. *REQUIREMENTS ENGINEERING*, .

Conference Proceedings

Conference Proceeding (Published)

Bano, M., Zowghi, D., Ferrari, A., Spoletini, P. (2020). *Inspectors Academy*. *28th IEEE International Requirements Engineering Conference, RE 2020, Zurich, Switzerland*..

Conference Proceeding (Published)

Girardi, D., Ferrari, A., Novielli, N., Spoletini, P., Fucci, D., Huichapa, T. (2020). The Way it Makes you Feel Predicting Users' Engagement during Interviews with Biofeedback and Supervised Learning. *28th IEEE International Requirements Engineering Conference, RE 2020, Zurich, Switzerland.*

Conference Proceeding (Published)

Debnath, S., Spoletini, P. (2020). Designing a Virtual Client for Requirements Elicitation Interviews. *International Working Conference on Requirements Engineering: Foundation for Software Quality* (pp. 160--166).

School of Data Science and Analytics

Brown, Austin (Assistant Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

White, M. A., Maguire, M. R., Brannan, J. D., Brown, A. (Published). Situational Awareness in Septic Shock: Identifying Student Time to Task. *Nurse Educator*, 46(2), ., Impact Factor: 1.454Peer Review - Refereed

Journal Article, Academic Journal (Published)

Brown, A. (2020). The Alternative Distribution of the Nonparametric Extended Median Test CUSUM Chart for Multiple Stream Processes. *Communications in Statistics - Theory and Methods*, ., Impact Factor: 0.612Peer Review - Refereed

Journal Article, Academic Journal (Published)

Maguire, M. R., White, M. A., Brannan, J. D., Brown, A. (2020). The Effect of a Repeat Septic Shock Simulation on the Knowledge and Skill Performance of Undergraduate Nursing Student. *Journal of Nursing Education and Practice*, ., Impact Factor: 7.86Peer Review - Refereed

Journal Article, Academic Journal (Published)

Ramos, M., Brown, A. (2020). Outlook in Life of Older Adults and their Health and Community Condition. *Educational Gerontology*, 46(10), 615-627, ., Impact Factor: 0.621, <https://www.tandfonline.com/toc/uedg20/current>Peer Review - Refereed

Journal Article, Academic Journal (Published)

Brown, A., Schaffer, J. R. (2020). A Nonparametric CUSUM Control Chart for Multiple Stream Processes Based on a Modified Extended Median Test. *Communications in Statistics - Theory and Methods*, ., Impact Factor: 0.424Peer Review - Refereed

Journal Article, Academic Journal (Submitted)

Brown, A., Kouakou, F., Schaffer, J. R. (under review). Assessing the Effect of Repeat Injuries in Major League Baseball on Likelihood of a Winning Season. *Sports Medicine and Health Science*, .Peer Review - Refereed

Non-Refereed Journal Articles

Journal Article, Academic Journal (Submitted)

Rushton, G. T., Brown, A., Frisch, J. K., Hendrix, J. D., Albrecht, E. A. (under review). Hierarchical Cluster Heat Mapping as a Visual Approach to Assessment. *Educational Assessment*, .

Other Intellectual Contributions

Manuscript (Submitted)

Wagner, M., Taasoobshirazi, G., Brown, A., Copeland, C. (under review). *An evaluation of college students' perceptions of statisticians*. *Statistics Education Research Journal*.Peer Review - Refereed

Chowdhury, Mohammed (Assistant Professor)

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Chowdhury, M. R. (2020). COVID-19 Epidemic Models: A Study from Georgia State in the USA. *American Journal of Biomedical Sciences and Research*, 295-302, ., Impact Factor: .823, www.biomedgrid.com

Journal Article, Academic Journal (Submitted)

Huskin, S., Kimitai, S., Chowdhury, M. R., Wu, C. (under review). Longitudinal Analysis of Health Risk Factors of African American and Caucasian American Adolescent Girls Using the Nadaraya-Watson Kernel Regression Algorithm., 275 Kennesaw State university Rd

Journal Article, Academic Journal (Submitted)

Zahangir, S., Chowdhury, M. R. (under review). Trends and determinants of knowledge and awareness of HIV/AIDS among married women in Bangladesh: An urban-rural comparison.

Journal Article, Academic Journal (Submitted)

Chowdhury, M. R. (under review). Cardiovascular Disease Related Risk Factors and Cognitive Decline in Rural West Texans.

Journal Article, Academic Journal (Submitted)

Gadidov, B., Le, L., Wang, Y., Chowdhury, M., VanBrackle, L. (under review). Time-Variant Nonparametric Extreme Quantile Estimation With Application to US Temperature Data., 275 Kennesaw State university Rd

Journal Article, Academic Journal (In Preparation; Not Yet Submitted)

Jacob, V., Chowdhury, M. R., Chowdhury, M. R. (In Preparation; Not Yet Submitted). Life expectancies, socioeconomic characteristics, and migration patterns for 393 United States counties during five decades from 1960s through 2010s., 275 Kennesaw State university Rd

Other Intellectual Contributions

Online Community (Published)

Chowdhury, M. R. (2020). *Views of my website.*

Book Review (Published)

Chowdhury, M. R. (Published). *Nonparametric models for longitudinal data: With implementation in R-A book review.* Biometrics, Wiley.

DeMaio, Joseph (Professor)

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Zhang, L., Priestley, J. C. L., DeMaio, J. D., Ni, S., Tian, X. (2020). Measuring Customer Similarity and Identifying Cross-Selling Products by Community Detection. *Big Data (special issue of Big Data in business)*, ., <https://www.liebertpub.com/doi/10.1089/big.2020.0044>

Journal Article, In-House Journal (Published)

Henshaw, A., Rudd, J., Staples, L., Akkineni, S., Li, L., DeMaio, J. D. (2020). Genetic Algorithm Guidance of a Constraint Programming Solver for the Multiple Traveling Salesman Problem.

Journal Article, Academic Journal (Revising to Resubmit)

Staples, L., Tamayo, M., Yockey, B., Rudd, J., Hill, N., Fontana, S., Ray, H. E., DeMaio, J. D. (Revising to Resubmit). Characterizing Managing Physicians by Claims Sequences in Episodes of Care. *Journal of Biomedical Informatics*, .

Conference Proceedings

Conference Proceeding (Published)

DeMaio, J. D., Alam, M. S. (2020). *Using the OPTGRAPH Procedure to Construct Closed Knight's Tours on Standard and Variant Chessboards*. Cary, NC: 2020 SAS Global Forum.

<https://www.sas.com/content/dam/SAS/support/en/sas-global-forum-proceedings/2020/4156-2020.pdf>Peer Review - Refereed

Ferguson, Nicole (Associate Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Ferguson, A. N., Olsen, I. E., Clark, R. H., Yockey, B. D., Boardman, J., Biron, K., Jannuzzo, C., Waskiewicz, D., Mendoza, A., Lawson, M. L. (2020). Differential classification of infants in United States neonatal intensive care units for weight, length, and head circumference by United States and international growth curves, 2013 – 2016. *Annals of Human Biology*, 47(6), 564-571, ., Impact Factor: 1.535Peer Review - Refereed

Gardner, Kimberly (Associate Professor)

Book Chapters

Book, Chapter in Scholarly Book-New (Accepted)

Gardner, K. D., Worthy, R., Glassmeyer, D. M. (2020). An Integrated STEM Professional Development Initiative for Connecting Environmental Education Across Middle and Secondary Mathematics. In Schroth, T., & Daniels, J. (Ed.), *Handbook of Research on Building STEM Skills Through Environmental Education*. Hershey, PA: IGI Global. <https://www.igi-global.com/book/building-stem-skills-through-environmental/237830>Editorial Review

Refereed Journal Articles

Journal Article, Academic Journal (Accepted)

Glassmeyer, D. M., Smith, A., Gardner, K. D. (2020). Developing Teacher Content Knowledge by Integrating pH and Logarithms Concepts. *To appear in School Science and Mathematics*, ., Acceptance Rate: 20%Peer Review - Refereed

Kane, Victor (Associate Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Kane, V. E. (2020). Using Lean Six Sigma Implied Assumptions. *Total Quality Management Journal*, 32(6), 1561-1575, ., Impact Factor: 2.47, H index 59, Scopus Cite Score 4.1, <https://doi.org/10.1108/TQM-11-2019-0271>Peer Review - Refereed

Non-Refereed Journal Articles

Journal Article, Professional Journal (Revising to Resubmit)

Kane, V. E. (Revising to Resubmit). Common Paths for Identifying Lean Six Sigma Improvement Opportunities. *International Journal of Quality and Reliability Management*, ., Impact Factor: 2.16, H index 75

Ni, Sherry (Professor)

Book Chapters

Book, Chapter in Non-Scholarly Book-New (Submitted)

Ni, S. (under review). An Enhanced Relationship of Mutual Benefit. In J. Priestley and R. McGrath (Ed.), *Closing the Analytics Talent Gap: The Analytics Manager's Handbook for Leveraging Analytics, Data Science, and Business Intelligence at Universities*. Invited

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Zhang, L., Priestley, J. C. L., DeMaio, J. D., Ni, S., Tian, X. (2020). Measuring Customer Similarity and Identifying Cross-Selling Products by Community Detection. *Big Data (special issue of Big Data in business)*, ., <https://www.liebertpub.com/doi/10.1089/big.2020.0044>

Journal Article, Academic Journal (Submitted)

Wang, Y., Ni, S., Huang, X. (under review). Towards Profitability: A Profit-sensitive Multinomial Logistic Regression for Credit Scoring in Peer-to-Peer Lending. *Statistics & Risk Modeling*, .

Conference Proceedings

Conference Proceeding (Published)

Wang, Y., Ni, S. (Published). *Improving Investment Suggestions for Peer-to-Peer (P2P) Lending via Integrating Credit Scoring into Profit Scoring* (pp. 141-148). ACM Southeast Conference. <https://dl.acm.org/doi/abs/10.1145/3374135.3385272> Peer Review - Refereed

Conference Proceeding (Published)

Wang, Y., Ni, S. (Published). *Risk Prediction of Peer-to-Peer Lending Market by a LSTM Model with Macroeconomic Factor* (pp. 181-187). ACM Southeast Conference. <https://dl.acm.org/doi/abs/10.1145/3374135.3385287> Peer Review - Refereed

Priestley, Jennifer (Professor)

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Fatehi, K., Priestley, J. C. L., Taasobshirazi, G. (Published). The expanded view of individualism and collectivism: One, two, or four dimensions? *International Journal of Cross Cultural Management*, 20(1), 7-24, ., Impact Factor: 1.34

Journal Article, Academic Journal (Published)

Zhang, L., Priestley, J. C. L., DeMaio, J. D., Ni, S., Tian, X. (2020). Measuring Customer Similarity and Identifying Cross-Selling Products by Community Detection. *Big Data (special issue of Big Data in business)*, ., <https://www.liebertpub.com/doi/10.1089/big.2020.0044>

Other Intellectual Contributions

Manuscript (Revising to Resubmit)

Hayes, S. W., Priestley, J. C. L., Ray, H. E. (Revising to Resubmit). "I'm not Working from Home, I'm Living at Work": Perceived Stress and Work-Related Burnout before and during COVID-19. SAGE Open. <https://psyarxiv.com/vnkwa> Peer Review - Refereed

Taasoobshirazi, Gita (Assistant Professor)

Book Chapters

Book, Chapter in Scholarly Book-New (Accepted)

Johnson, M., Vaughn, A., Jones, S., Herrick, I., Jones, S., Schoepf, S., Taasoobshirazi, G. (in press). Strategies and challenges to teaching for conceptual learning. In J.S. Vogler & M. Buehl (Eds.). *Teaching Learning for Effective Instruction*. American Psychological Association.

Book, Chapter in Scholarly Book-New

Johnson, M., Vaughn, A., Taasoobshirazi, G. Common Misconceptions and Challenges of Motivation Principles. *Theory to Practice: Educational Psychology for Teachers and Teaching*. Book is published by American Psychological Association..

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Vaughn, A., Johnson, M., Taasoobshirazi, G. (2020). Impostor phenomenon and motivation: Women in higher education. *Studies in Higher Education*, 45(4), 780-795, ., Impact Factor: 3.28, <https://www.tandfonline.com/loi/cshe20> Peer Review - Refereed

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Fatehi, K., Taasoobshirazi, G. (2020). Contemplating the future: Mutating capitalism. *Thunderbird International Business Review*, 62(2), 161-169, ., Impact Factor: 1.89

Journal Article, Academic Journal (Published)

Fatehi, K., Priestley, J. C. L., Taasoobshirazi, G. (Published). The expanded view of individualism and collectivism: One, two, or four dimensions? *International Journal of Cross Cultural Management*, 20(1), 7-24, ., Impact Factor: 1.34

Journal Article, Academic Journal (In Preparation; Not Yet Submitted)

Jacob, V., Chowdhury, M. R., Chowdhury, M. R. (In Preparation; Not Yet Submitted). Life expectancies, socioeconomic characteristics, and migration patterns for 393 United States counties during five decades from 1960s through 2010s., 275 Kennesaw State university Rd

Other Intellectual Contributions

Manuscript (Submitted)

Taasoobshirazi, G., Heddy, B., Danielson, R., Abraham, E., Joji, S. (under review). *Development and Psychometric Analysis of the Metarepresentations Survey for Physics: Understanding Students' Free-Body Diagrams*. Kennesaw: International Journal of Educational Psychology. 1000 Chastain Dr.

Manuscript (Submitted)

Taasoobshirazi, G., Peifer, J. (under review). *Heightened Cognitive Empathy through Ethnic Identity and Intercultural Competence for Individuals with Historically Marginalized Identities..* Journal of Cross Cultural Psychology.

Manuscript (Submitted)

Fatehi, K., Taasoobshirazi, G. (under review). *Toward epistemological identification of the four major mindscape types*. Current Psychology.

Manuscript (Submitted)

Taasoobshirazi, G., Hord, A., Vaughn, A., Treadaway, H., Johnson, M. (under review). *Using Motivational Theories to Study Imposter Phenomenon Among Academics*. Kennesaw: Journal of Personality and Individual Differences. 1000 Chastain Dr.

Manuscript (Submitted)

Wagner, M., Taasoobshirazi, G., Brown, A., Copeland, C. (under review). *An evaluation of college students' perceptions of statisticians*. Statistics Education Research Journal. Peer Review - Refereed

Zhang, Xinyan (Assistant Professor)

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Zhang, X., Yi, N. (2020). Fast zero-inflated negative binomial mixed modeling approach for analyzing longitudinal metagenomics data. *BIOINFORMATICS*, 36(8), 2345-2351, .

Journal Article, Academic Journal (Published)

Samawi, H. M., Zhang, X., Rochani, H. (2020). Further Improving the Performance of Logistic Regression Analysis Using Double Extreme Ranking. *JOURNAL OF STATISTICAL THEORY AND PRACTICE*, 14(1), .

Journal Article, Academic Journal (Published)

Zhang, X., Yi, N. (2020). NBZIMM: negative binomial and zero-inflated mixed models, with application to microbiome/metagenomics data analysis. *BMC BIOINFORMATICS*, 21(1), .

Journal Article, Academic Journal (Published)

Zheng, H., Song, Q., Zhang, C., Sun, W., Mao, M., Zhang, X., Zhu, X., Ma, G., Mao, D. (2020). The effect of text-based math task on dynamic stability control during stair descent (ID: BM-D-20-00079R3). *JOURNAL OF BIOMECHANICS*, 113, .

Journal Article, Academic Journal (Published)

Zhang, X., Guo, B., Yi, N. (2020). Zero-Inflated gaussian mixed models for analyzing longitudinal microbiome data. *PLOS ONE*, 15(11), .

Journal Article, Academic Journal (Published)

Liu, Q., Liu, C., Gao, Y., Zhang, X., Yi, N., Cao, J., Wang, Y., Jiang, Y., Tang, Z. (2020). Gender-Specific Association between Serum Uric Acid and Incident Fundus

Arteriosclerosis in Chinese Population: A Retrospective Cross-Sectional Study. *Scientific reports*, 10(1), 8595, .