

Intellectual Contributions

Kennesaw State University
January 1, 2021 - December 31, 2021

Department of Computer Science

Aledhari, Mohammed (Assistant Professor)

Refereed Journal Articles

Journal Article, Professional Journal (Published)

Aledhari, M., Di Pierro, M., Hefeida, M., Saeed, F. (Published). A Deep Learning-based Data Minimization Algorithm for Fast and Secure Transfer of Big Genomic Datasets. *IEEE Transactions on Big Data*, .Peer Review - Refereed

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Aledhari, M., Razzak, R., Meimandi Parizi, R. (2021). Machine learning for network application security: Empirical evaluation and optimization. *Computers & Electrical Engineering*, 91, 107052, .,
<https://www.sciencedirect.com/science/article/pii/S0045790621000677>

Journal Article, Academic Journal (Published)

Shahid, O., Nasajpour, M., Pouriye, S., Meimandi Parizi, R., Han, M., Valero, M. A., Li, F., Aledhari, M., Sheng, Q. Z. (2021). Machine learning research towards combating COVID-19: Virus detection, spread prevention, and medical assistance. *Journal of Biomedical Informatics*, 117, 103751, .,
<https://www.sciencedirect.com/science/article/pii/S1532046421000800>

Journal Article, Academic Journal (Published)

Tariq, M. U., Haseeb, M., Aledhari, M., Razzak, R., Meimandi Parizi, R., Saeed, F. (2021). Methods for Proteogenomics Data Analysis, Challenges, and Scalability Bottlenecks: A Survey. *IEEE Access*, 9, 5497-5516, .

Journal Article, Academic Journal (Published)

Shahid, O., Nasajpour, M., Pouriye, S., Parizi, R. M., Han, M., Valero, M. A., Li, F., Aledhari, M., Sheng, Q. Z. (2021). Machine Learning Research Towards Combating COVID-19: Virus Detection, Spread Prevention, and Medical Assistance. *Journal of Biomedical Informatics*, ., Impact Factor: 3.526

Conference Proceedings

Conference Proceeding (Published)

Aledhari, M., Razzak, R., Meimandi Parizi, R., Srivastava, G. (2021). Deep Neural Networks for Detecting Real Emotions Using Biofeedback and Voice. In Del Bimbo, Alberto; Cucchiara, Rita; Sclaroff, Stan; Farinella, Giovanni Maria; Mei, Tao; Bertini, Marco; Escalante, Hugo Jair; Vezzani, Roberto (Ed.), *Pattern Recognition. ICPR International Workshops and Challenges* (pp. 302--309). Cham: Springer International Publishing.

Conference Proceeding (Published)

Aledhari, M., Razzak, R., Parizi, R., Srivastava, G. (2021). *Multimodal Machine Learning for Pedestrian Detection*. 2021 IEEE 93rd Vehicular Technology Conference (VTC2021-Spring).

Confusion Bias and Its Mitigation. 16th IEEE International Conference on SEMANTIC COMPUTING.

Conference Proceeding (Submitted)

Fagbemi, A., Aygun, R., Karakaya, M., Sahin, N. (under review). *Video Alignment of Lecture Notes for Online Education*. IEEE International Conference on Multimedia and Expo.

Other Intellectual Contributions

Kennesaw State University Internal Document (Published)

Boyle, T., Aygun, R. (2021). *Kennesaw State University HPC Facilities and Resources*.

Bobbie, Patrick (Professor)

Conference Proceedings

Conference Proceeding (Published)

Suo, K., Shi, Y., Hung, C.-C., Bobbie, P. (2021). *Quantifying Context Switch Overhead of Artificial Intelligence Workloads on the Cloud and Edges*. ACM/SIGAPP Symposium On Applied Computing. <https://dl.acm.org/doi/10.1145/3412841.3441993> Peer Review - Refereed

Cetinkaya, Coskun (Professor)

Conference Proceedings

Conference Proceeding (Published)

Hossain Faruk, m. J., Miner, P., Coughlan, R., Masum, M., Shahriar, H. M., Clincy, V. A., Cetinkaya, C. (2021). *Smart Connected Aircraft: Towards Security, Privacy, and Ethical Hacking* (pp. 6). NY: 14th International Conference on Security of Information and Networks. <https://www.sinconf.org/sin2021/> Peer Review - Refereed

Clincy, Victor (Professor)

Conference Proceedings

Conference Proceeding (Published)

Hossain Faruk, m. J., Miner, P., Coughlan, R., Masum, M., Shahriar, H. M., Clincy, V. A., Cetinkaya, C. (2021). *Smart Connected Aircraft: Towards Security, Privacy, and Ethical Hacking* (pp. 6). NY: 14th International Conference on Security of Information and Networks. <https://www.sinconf.org/sin2021/> Peer Review - Refereed

Conference Proceeding (Accepted)

Shivers, R. M., Rahman, M., Hossain Faruk, M. J., Shahriar, H. M., A., Clincy, V. A. (2021). *Ride-Hailing for Autonomous Vehicles: Hyperledger Fabric-Based Secure and Decentralize Blockchain Platform* (pp. 10). IEEE: IEEE Big Data 2021. Editorial Review

Garrido, Jose (Professor)

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Journal Article, Professional Journal (Submitted)

Han, B., He, S. (under review). Fine-grained Customer Review Analysis: A SurveySpecial issue on Advanced Machine Learning on Cognitive Computing for Human Behavior Analysis. *IEEE Transactions on Computational Social Systems*, .Peer Review - Refereed

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Sison, N., Li, L., He, S. (2021). A Configurable Data Preprocessing Framework to Improve Existing Travel Industry Time Series Prediction Models. *IJSE*, .

Journal Article, Academic Journal (Revising to Resubmit)

Qu, F., Han, M., Li, L. N., He, S. N. (Revising to Resubmit). From Digitalization of Finance to Cryptocurrency: State of the Art. *Futures/Elsevier*, .

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

Yang, L., Han, M., Li, Z., Pouriyeh, S., He, S. (In Preparation; Not Yet Submitted). Understanding Customer Satisfaction: A Survey on Sentiment, Emotion, and Domain Knowledge.

Journal Article, In-House Journal (Working Paper)

Andrade, G., Li, L., Han, M., He, S. (Working Paper). Forecasting America's Domestic Airline Passenger Demand During the Coronavirus Pandemic.

Conference Proceedings

Riad, A. K., Shahriar, H. M., Valero, M. A., Hossain, M. (2021). *Cybersecurity Risks and Mitigation Techniques During COVID-19* (pp. 1351-1356). Georgia: 2021 IEEE 45th Annual Computers, Software, and Applications Conference (COMPSAC). Department of Information Technology Peer Review - Refereed

Hung, Chih-Cheng (Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Zhuang, Y., Liu, H., Song, E., Ma, G., Xu, X., Hung, C.-C. (2021). APRNet: A 3D Anisotropic Pyramidal Reversible Network with Multi-modal Cross-Dimension Attention for Brain Tissue Segmentation in MR Images. *IEEE Journal of Biomedical and Health Informatics*, .Peer Review - Refereed

Journal Article, Academic Journal (Published)

Liu, S., Bai, X., Fang, M., Li, L., Hung, C.-C. (2021). Mixed Graph Convolution and Residual Transformation Network for Skeleton-based Action Recognition. *Applied Intelligence/Springer*, .Peer Review - Refereed

Journal Article, Academic Journal (Published)

Liu, S., Zhang, M., Fang, M., Zhao, J., Hou, K., Hung, C.-C. (2021). Speech emotion recognition based on the transfer learning from FaceNet framework. *The Journal of the Acoustical Society of America*, 149(2), ., <https://doi.org/10.1121/10.0003530> Peer Review - Refereed

Journal Article, Academic Journal (Published)

Louati, H., Bechikh, S., Louati, A., Hung, C.-C., Ben Said, L. (2021). Deep convolutional neural network architecture design as a bi-level optimization problem. *Neurocomputing*, 439(2), .Peer Review - Refereed

Journal Article, Academic Journal (Revising to Resubmit)

Liu, H., Zhuang, Y., Song, E., Xu, X., Hung, C.-C. (Revising to Resubmit). A Bidirectional Multilayer Contrastive Adaptation Network Based on Unsupervised Domain Adaptation for Unpaired Cross-Modality Medical Image Segmentation. *IEEE/ACM Transactions on Computational Biology and Bioinf*-25.337-9mevb (i)3.2 (r)nm3i Cnal Blc7()TjEMC /P 0.002 Tw 0.277 0 T

Karakaya, Mahmut (Assistant Professor)

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Nguyen, T. (2021). 3D Localization and Error Minimization in Underwater Sensor Networks.

Journal Article, Academic Journal (Published)

Nguyen, T. (2021). Energy-Efficient Resource Allocation for 6G Backscatter-Enabled NOMA
IoV Networks. *IEEE Transactions on Intelligent Transportation Systems*, 1-11, .

Journal Article, Academic Journal (Published)

Nguyen, T. (2020). Federated Deep Reinforcement Learning for Traffic Control in Edge Computing. *IEEE Transactions on Intelligent Transportation Systems*, 1-11, .

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North, Sarah (Senior Lecturer)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

North, S. M., North, M., Garofalo, D., Prajapati, D. (2021). The Effects of Mixed Reality Immersion on Users' Performance and Perception of Multitasking While Performing Concurrent Real World Tasks. *Journal of Consortium for Computing Sciences in Colleges/ACM*, 36(8), 73-88, ., <http://www.csc.org/publications/journals/NE2021.pdf#page=73> Peer Review - Refereed

Shaw, Alan (Assistant Professor)

Conference Proceedings

Conference Proceeding (Published)

Shaw, A., Lawler, B., Muralidhar, D., Crombie, W. (2021). *Supporting Orality and Computational Thinking in Mathematics* (pp. 10). Mathematics Education and Society Conference 11. Peer Review - Refereed

Shi, Yong (Associate Professor)

Conference Proceedings

Conference Proceeding (Published)

Desai, M. G., Shi, Y., Suo, K. (2021). *A Hybrid Approach for IoT Botnet Attack Detection*. Vancouver, BC: 2021 IEEE 12th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON). <https://ieeexplore.ieee.org/document/9623102>

Conference Proceeding (Published)

Banka, K., Suo, K., Shi, Y., Baidya, S. (2021). *A Study of State-of-the-Art Energy Saving on Edges*. Jacksonville, Alabama: ACM Southeast conference. <https://dl.acm.org/doi/10.1145/3409334.3452079> Peer Review - Refereed

Conference Proceeding (Published)

Duchatellier, J., Holmes, T., Suo, K., Shi, Y. (2021). *An Empirical Study of Thermal Attacks on Edge Platforms*. Jacksonville, Alabama: ACM Southeast conference. <https://dl.acm.org/doi/10.1145/3409334.3452071> Peer Review - Refereed

Conference Proceeding (Published)

Suo, K., Shi, Y., Lee, A., Baidya, S. (2021). *Characterizing Networking Performance and Interrupt Overhead of Container Overlay Networks*. Jacksonville, Alabama: ACM Southeast (ACMSE) conference. <https://dl.acm.org/doi/10.1145/3409334.3452040> Peer Review - Refereed

Conference Proceeding (Published)

Mohandoss, D. P., Shi, Y., Suo, K. (2021). *Outlier Prediction Using Random Forest Classifier*. IEEE 11th Annual Computing and Communication Workshop and Conference (IEEE CCWC 2021).

Lee, H., Kim, J., Hussain, R., Cho, S., Son, J. (2021). *On Defensive Neural Networks Against Inference Attack in Federated Learning* (pp. 1-6). IEEE International Conference on Communications (ICC 2021). <https://ieeexplore.ieee.org/abstract/document/9500936>Peer Review - Refereed

Suo, Kun (Assistant Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Constant, P. L., Lee, A., Suo, K., Kim, D. (2021). Seamless Communication Techniques in Mobile Cloud Computing: A Survey. *Journal of International Telecommunication Union*, .Peer Review - Refereed

Non-Refereed Journal Articles

Journal Article, Academic Journal (Submitted)

Wang, K., Wu, S., Suo, K., Liu, Y., Jin, H. (under review). Adapt Burstable Containers to Variable CPU Resources. *IEEE Transactions on Computers*, ., Acceptance Rate: 20%

Conference Proceedings

Conference Proceeding (Published)

Desai, M. G., Shi, Y., Suo, K. (2021). *A Hybrid Approach for IoT Botnet Attack Detection*. Vancouver, BC: 2021 IEEE 12th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON). <https://ieeexplore.ieee.org/document/9623102>

Conference Proceeding (Published)

Suo, K., Son, J., Cheng, D., Chen, W., Baidya, S. (2021). *Tackling Cold Start of Serverless Applications by Efficient and Adaptive Container Runtime Reusing*. Portland, OR: IEEE International Conference on Cluster. <https://clustercomp.org/2021/>Peer Review - Refereed

Conference Proceeding (Published)

Banka, K., Suo, K., Shi, Y., Baidya, S. (2021). *A Study of State-of-the-Art Energy Saving on Edges*. Jacksonville, Alabama: ACM Southeast conference. <https://dl.acm.org/doi/10.1145/3409334.3452079>Peer Review - Refereed

Conference Proceeding (Published)

Duchatellier, J., Holmes, T., Suo, K., Shi, Y. (2021). *An Empirical Study of Thermal Attacks on Edge Platforms*. Jacksonville, Alabama: ACM Southeast conference. <https://dl.acm.org/doi/10.1145/3409334.3452071>Peer Review - Refereed

Conference Proceeding (Published)

Suo, K., Shi, Y., Lee, A., Baidya, S. (2021). *Characterizing Networking Performance and Interrupt Overhead of Container Overlay Networks*. Jacksonville, Alabama: ACM Southeast (ACMSE) conference. <https://dl.acm.org/doi/10.1145/3409334.3452040>Peer Review - Refereed

Conference Proceeding (Published)

Suo, K., Lei, J., Munikar, M., Lu, H., Rao, J. (2021). *Parallelizing Packet Processing in Container Overlay Networks*. Edinburgh, Scotland: ACM European Conference on Computer Systems. <https://dl.acm.org/doi/10.1145/3447786.3456241>Peer Review - Refereed

Journal Article, Academic Journal (Accepted)

Zhao, L., Valero, M. A., Pouriye, S., Li, L., Sheng, Q. (in press). Communication-Efficient Semi-Hierarchical Federated Analytics in IoT Networks. *To appear in IEEE Internet of Things Journal*, ., Impact Factor: 9.936

Journal Article, Academic Journal (Revising to Resubmit)

Shahid, O., Pouriye, S., Meimandi Parizi, R., Sheng, Q. Z., Srivastava, G., Zhao, L. (Revising to Resubmit). Secure Smart Communication Efficiency in Federated Learning: Achievements and Challenges.

Journal Article, Academic Journal (Submitted)

Hussain, Z., Sheng, Q. Z., Zhang, W. E., Ortiz, J., Pouriye, S. (under review). A Review of the Non-Invasive Techniques for Monitoring Different Aspects of Sleep. *ACM Transactions on Computing for Healthcare*, .

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

Nasajpour, M., Pouriye, S., Meimandi Parizi, R., Sheng, Q. Z. (In Preparation; Not Yet Submitted). Federated Learning for Cancer Prediction Models.

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

Nasajpour, M., Pouriye, S., Meimandi Parizi, R., Sheng, Q. Z., Zhao, L. (In Preparation; Not Yet Submitted). Federated Learning in Smart Healthcare.

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

Nasajpour, M., Pouriye, S., Meimandi Parizi, R. (In Preparation; Not Yet Submitted). Social Engineering During COVID-19 Pandemic.

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

Yang, L., Han, M., Li, Z., Pouriye, S., He, S. (In Preparation; Not Yet Submitted). Understanding Customer Satisfaction: A Survey on Sentiment, Emotion, and Domain Knowledge.

Conference Proceedings

Conference Proceeding (Published)

Shahid, O., Mothukuri, V., Pouriye, S., Meimandi Parizi, R., Shahriar, H. M. (2021). Detecting Network Attacks using Federated Learning for IoT Devices. *2021 IEEE 29th International Conference on Network Protocols (ICNP)* (pp. 1-6).

Conference Proceeding (Published)

Shahid, O., Mothukuri, V., Pouriye, S., Meimandi Parizi, R., Shahriar, H. M. (2021). *Detecting Network Attacks using Federated Learning for IoT Devices* (pp. 1-6). The 6th IEEE International Workshop on Cyber-Physical Systems Security Protocols (CPS-Sec 2021). Peer Review - Refereed

Conference Proceeding (Published)

Anderson, S., Veeravenkatappa, S., Pola, P., Pouriye, S., Han, M. (2021). *Automatic Face Mask Detection Using Deep Learning*. ICTS4eHealth IEEE CONFERENCE ON ICT SOLUTIONS FOR e-HEALTH.

Conference Proceeding (Published)

Schirato, L., Makina, K., Flanders, D., Pouriye, S., Shahriar, H. M. (2021). *COVID-19 Mortality Prediction Using Machine Learning Techniques* (pp. 6). 2021 IEEE ICDH (IEEE International Conference on Digital Health). <https://conferences.computer.org/icdh/2021/> Peer Review - Refereed

Conference Proceeding (Published)

Durden, B., Shulman, M., Reynolds, A., Phillips, T., Moore, D., Andrews, I., Pouriyeh, S. (Published). *Using Machine Learning Techniques to Predict RT-PCR Results for COVID-19 Patients*. ICTS4eHealth IEEE CONFERENCE ON ICT SOLUTIONS FOR e-HEALTH.

Conference Proceeding (Published)

Williams, J., King, J., Smith, B., Pouriyeh, S., Shahriar, H. M., Li, L. (2021). *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 (Published)

Rutherford, R. H. (2021). Tips for Using Open Educational Resources to Reduce Textbook Costs in Computing and IT Courses. *Intelligent Computing*. WOODSTOCK:. 3600 OLDE PRESTWICK COURTEditorial Review

Book, Chapter in Scholarly Book-New (Accepted)

Halstead-Nussloch, R., Rutherford, R. (2021). Tips for Using Open Educational Resources to Reduce Textbook es.d)

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://www.taylorfrancis.com/chapters/edit/10.1201/9781003048848-6/heath-device-security-privacy-kamrul-islam-riad-hossain-shahriar-chi-zhang-farhat-lamia-barsha>Peer Review - Refereed

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Sneha, S., Thalla, S., Rischie, I., Shahriar, H. M. (2021). Health Internet Technology for Chronic Conditions: Review of Diabetes Management Apps. *JMIR Diabetes*, 6(3), 1-9, ., Impact Factor: 5.43, <https://diabetes.jmir.org/2021/3/e17431/>Peer Review - Refereed

Journal Article, Academic Journal (Published)

Islam, A. K., Islam, S., Shahriar, H. M., Zhang, C., Valero, M. A., Sneha, S. (2021). Plugin-based Tool for Teaching Secure Mobile Application Development. *Information Systems Education Journal*, 19(2), 25-34, ., <https://iscap.info>Peer Review - Refereed

Journal Article, Academic Journal (Published)

Riad, K., Islam, S., Shahriar, H. M., Valero, M. A., Zhang, C., Sneha, S., Ahamed, S. (2021). Plugin-based Tool for Teaching Secure Mobile Application Development. *Information Systems Education Journal*, 19(2), 25-34, ., Impact Factor: 1.6, <https://isedj.org/>Peer Review - Refereed

Journal Article, Academic Journal (Published)

Shahriar, H. M., Haddad, H., Farhadi, M. (2021). Assessing HIPAA Compliance of Open Source Electronic Health Record Applications. *International Journal of Information Security and Privacy*, 15(2), 181-195, .Peer Review - Refereed

Journal Article, Academic Journal (Accepted)

Shahriar, H., Sneha, S., Whitley, P. (2022). 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

Conference Proceedings

Conference Proceeding (Published)

Masum, M., Hossain Faruk, M. J., Shahriar, H. M., Qian, K., Lo, D. C.-T., Adnan, M. I. (2022). *Ransomware Classification and Detection With Machine Learning Algorithms* (pp. 6). IEEE: 2022 IEEE 12th Annual Computing and Communication Workshop and Conference (CCWC). <https://iee-ccwc.org/call-for-papers/>Peer Review - Refereed

Conference Proceeding (Published)

Hossain Faruk, m. J., Miner, P., Coughlan, R., Masum, M., Shahriar, H. M., Clincy, V. A., Cetinkaya, C. (2021). *Smart Connected Aircraft: Towards Security, Privacy, and Ethical Hacking* (pp. 6). NY: 14th International Conference on Security of Information and Networks. <https://www.sinconf.org/sin2021/>Peer Review - Refereed

Conference Proceeding (Published)

Journal Article, Academic Journal (Accepted)

Zhao, L., Valero, M. A., Pouriye, S., Li, L., Sheng, Q. (in press). Communication-Efficient Semi-Hierarchical Federated Analytics in IoT Networks. *To appear in IEEE Internet of Things Journal*, ., Impact Factor: 9.936

Conference Proceedings

Conference Proceeding (Published)

Masum, M., Shahriar, H. M., Haddad, H., Hossain Faruk, M. J., Valero, M. A., Khan, M. A. A. H., Rahman, Adnan, M., Cuzzocrea, A., Wu, F. (2021). *Bayesian Hyperparameter Optimization for Deep Neural Network-Based Network Intrusion Detection* (pp. 7). IEEE: IEEE Big Data 2021. <https://bigdataieee.org/BigData2021/Peer-Review-Refereed>

Conference Proceeding (Published)

Hossain Faruk, M. J., Shahriar, H. M., Valero, M. A., Barsha, F., Sobhan, S., Khan, M. A. A. H., Whitman, M., Cuzzocrea, A., Lo, D. C.-T., Rahman, A., Wu, F. (2021). *Malware Detection and Prevention using Artificial Intelligence Techniques* (pp. 9). IEEE: IEEE Big Data 2021. Peer Review - Refereed

Conference Proceeding (Published)

Valero, M. A., Li, L., Shahriar, H. M., Sobhan, S., Handlin, M., Zhang, J. (2021). *Emotional Analysis of Learning Cybersecurity with Games* (pp. 6). IEEE International Conference on Intelligence and Security Informatics (ISI). Peer Review - Refereed

Conference Proceeding (Published)

Islam, S., Shobhan, S., Valero, M. A., Shahriar, H. M., Zhao, L., Ahamed, S. (2021). *Framework for Collecting Data from specialized IoT devices - An application to enhance Healthcare Systems* (pp. 231-233). 2021 IEEE International Conference on Digital Health (ICDH). Peer Review - Refereed

Conference Proceeding (Published)

Hossain Faruk, M. J., Shahriar, H. M., Valero, M., Sneha, S., Ahamed, S., Rahman, M. (2021). *Towards Blockchain-Based Secure Data Management for Remote Patient Monitoring* (pp. 299-308). IEEE International Conference on Digital Health. Peer Review - Refereed

Conference Proceeding (Published)

Islam, S., Shobhan, S., Valero, M. A., Shahriar, H. M., Zhao, L., Ahamed, S. (2021). *Framework for Collecting Data from specialized IoT devices-An application to enhance Healthcare Systems* (pp. 231-233). IEEE: IEEE International Conference on Digital Health (ICDH). Peer Review - Refereed

Conference Proceeding (Published)

Hossain, M. J., Valero, M. A., Shahriar, H. M. (2021). *An Investigation on Non-Invasive Brain-Computer Interfaces: Emotive Neurofeedback (ENB) for BCI*. IEEE International Conference on Digital Health (ICDH). Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)

Li, J., Li, Z., Zhang, C. (2022). *Learning-by-Teaching in CS Education: A Systematic Review* (pp. 972-981). Hawaii: Hawaii International Conference on System Sciences. Peer Review - Refereed

Conference Proceeding (Published)

Li, J., Zhang, C., Luo, H. (. (2021). *Using Mixed Reality in K-12 Education: A Literature Review*. Americas Conference on Information Systems (AMCIS). [https://aisel.aisnet.org/amcis2021/sig_hci/sig_hci/22/Peer Review - Refereed](https://aisel.aisnet.org/amcis2021/sig_hci/sig_hci/22/Peer%20Review%20-%20Refereed)

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](https://hicss.hawaii.edu/Peer%20Review%20-%20Refereed)

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](https://hicss.hawaii.edu/Peer%20Review%20-%20Refereed)

Zhao, Liang (Assistant Professor)

Book Chapters

Book, Chapter in Scholarly Book-New (Accepted)

Nasajpour, M., Pouriye, S., Meimandi Parizi, R., Zhao, L., Li, L. (in press). *IoT Use Case Applications for COVID-19*. Book: *Edge-of-Things in Personalized Healthcare Support Systems : Concepts, Practices, and Applications*. Peer Review - Refereed

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Zhao, L., Li, J., Li, Q., Li, F. (Published). A Federated Learning Framework for Detecting False Data Injection Attacks in Solar Farms. *IEEE Transactions on Power Electronics*, .. Impact Factor: 6.663

Journal Article, Academic Journal (Published)

Valero, M. A., Li, F., Zhao, L., Zhang, C., Garrido, J. M., Han, Z. (Published). Vibration Sensing-Based Human and Infrastructure Safety/Health Monitoring: A Survey. *Digital Signal Processing/elsevier*

Nasajpour, M., Pouriye, S., Meimandi Parizi, R., Sheng, Q. Z., Zhao, L. (In Preparation; Not Yet Submitted). Federated Learning in Smart Healthcare.

Conference Proceedings

Conference Proceeding (Published)

Islam, S., Shobhan, S., Valero, M. A., Shahriar, H. M., Zhao, L., Ahamed, S. (2021). *Framework for Collecting Data from specialized IoT devices - An application to enhance Healthcare Systems* (pp. 231-233). 2021 IEEE International Conference on Digital Health (ICDH).Peer Review - Refereed

Conference Proceeding (Published)

Islam, S., Shobhan, S., Valero, M. A., Shahriar, H. M., Zhao, L., Ahamed, S. (2021). *Framework for Collecting Data from specialized IoT devices-An application to enhance Healthcare Systems* (pp. 231-233). IEEE: IEEE International Conference on Digital Health (ICDH).Peer Review - Refereed

Conference Proceeding (Published)

Trivedi, S., Valero, M. A., Shahriar, H. M., Zhao, L. (Published). *Non-Invasive Monitoring of Human Hygiene using Vibration Sensor and Classifiers*. IEEE International Conference on Digital Health.Peer Review - Refereed

Conference Proceeding (Accepted)

McOker, C., Handlin, M., Li, L., Shahriar, H. M., Zhao, L. (2021). *An Architecture for Federated Learning Enabled Collaborative Intrusion Detection System*. AMCIS 2021.Peer Review - Refereed

Zheng, Jack (Associate Professor)

Book Chapters

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

Zheng, J., Li, Z., Li, L. (Working Paper). Go beyond the Technology – Emphasizing Soft Skills in IT/IS Capstone Classes. *the Handbook of Teaching and Learning in IS*. MARIETTA:. 1100 S MARIETTA PKWY SE

Department of Software Engineering and Game Development

Dehbozorgi, Nasrin (Assistant Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Dorodchi, M., Dehbozorgi, N., Fallahian, M., Pouriyeh, S. (2021). Teaching Software Engineering using Abstraction through Modeling. *INFORMATICS IN EDUCATION Journal*, .Peer Review -

Conference Proceedings

Conference Proceeding (Published)

Franklin, D. M. (2021). *firstGlimpse: Learning How to Learn through Observation via Memory Modeling with Reinforcement Learning*. Future of Information and Communication Conference.

Conference Proceeding (Accepted)

Franklin, D. M. (in press). *Multi-Agent Strategies for Diverse Teams*. International Conference on Human Interaction & Emerging Technologies: Artificial Intelligence 2022. Peer Review - Refereed

Huang, Yan (Assistant Professor)

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Pang, J., Huang, Y., Xie, Z., Li, J., Cai, Z. (2021). Collaborative city digital twin for the COVID-19 pandemic: A federated learning solution. *Tsinghua Science and Technology*, ., Impact Factor: 2.016

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Huang, Y., Li, W., Wang, J., Cai, Z., Bourgeois, A. G. (2021). Privacy protection among three antithetic-parties for context-aware services. *Journal of Network and Computer Applications/Elsevier*, ., Impact Factor: 6.281

Journal Article, Academic Journal (Published)

Xie, Z., Hu, L., Huang, Y., Pang, J. (2021). A Semi-opportunistic Task Allocation Framework For Mobile Crowdsensing with Deep Learning. *Wireless Communications and Mobile Computing*, ., Impact Factor: 1.819

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

Conference Proceedings

Conference Proceeding (Published)

Mekbib, E., Huang, Y., Mei, C., Li, J. (2021). *Designing a Smart Virtual Environment for Autism Spectrum Disorder Detection*. 2021 IEEE SmartWorld. Peer Review - Refereed

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Malladi, V., Li, J., Seoand, D., Huang, Y. (2021). *Decentralized Aggregation Design and Study eceCornce nc JV. a Smar2 ()-12.1 (202)-12.3 (1 .)-1.1 ()].7 (E)212.1 (S)2.3 (mar)-()-12.[C]3.g.0 ()*

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Li, J., Luo, H. (2021). *Depression prevention by mutual empathy training: Using virtual reality as a tool*. IEEE VR 2021 workshop.

Conference Proceeding (Published)

Li, J., Ducleroir, C., Stollman, T. I., Wood, E. A. (2021). *Parkinson's Disease Simulation in Virtual Reality for Empathy Training in Medical Education*. IEEE VR 2021 Workshop. Peer Review - Refereed

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Mei, Chao (Assistant Professor)

Conference Proceedings

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Mekbib, E., Huang, Y., Mei, C., Li, J. (2021). *Designing a Smart Virtual Environment for Autism Spectrum Disorder Detection*. 2021 IEEE SmartWorld. Peer Review - Refereed

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Meimandi Parizi, Reza (Associate Professor)

Book Chapters

Book, Chapter in Scholarly Book-New (Accepted)

Nasajpour, M., Pouriye, S., Meimandi Parizi, R., Zhao, L., Li, L. (in press). *IoT Use Case Applications for COVID-19*. Book: Edge-of-Things in Personalized Healthcare Support Systems : Concepts, Practices, and Applications. Peer Review - Refereed

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Mallavarapu, T., Cranfill, L., Kim, E. H., Parizi, R. M., Morris, J., Son, J. (2021). A federated approach for fine-grained classification of fashion apparel. *Machine Learning with Applications*, 6(15), 1-12, .,

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Yazdinejadna, A., Meimandi Parizi, R., Dehghantanha, A., Khan, M. S. (2021). A kangaroo-based intrusion detection system on software-defined networks. *Computer Networks*, 184, 107688, ..
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Rabieinejad, E., Yazdinejad, A., Meimandi Parizi, R. (2021). A Deep Learning Model for Threat Hunting in Ethereum Blockchain. *2021 IEEE 20th International Conference on Trust, Security and Privacy in Computing and Communications (TrustCom)* (pp. 1-6).

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Yazdinejad, A., Rabieinejad, E., Dehghantanha, A., Meimandi Parizi, R., Srivastava, G. (2021). A Machine Learning-based SDN Controller Framework for Drone Management. *2021 IEEE Globecom Workshops (GC Wkshps)* (pp. 1-6).

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Meimandi Parizi, R., Dehghantanha, A., Zhang, Q., Franke, K. (2021). *Decentralized Federated Learning: An Introduction and the Road Ahead*. Proceedings of the 54th Hawaii International Conference on System Sciences. <https://scholarspace.manoa.hawaii.edu/bitstream/10125/71471/m-intro-0159.pdf>

Conference Proceeding (Published)

Aledhari, M., Razzak, R., Meimandi Parizi, R., Srivastava, G. (2021). Deep Neural Networks for Detecting Real Emotions Using Biofeedback and Voice. In Del Bimbo, Alberto; Cucchiara, Rita; Sclaroff, Stan; Farinella, Giovanni Maria; Mei, Tao; Bertini, Marco; Escalante, Hugo Jair; Vezzani, Roberto (Ed.), *Pattern Recognition. ICPR International Workshops and Challenges* (pp. 302--309). Cham: Springer International Publishing.

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Pournaghshband, Hassan (Professor)

Conference Proceedings

Conference Proceeding (Published)

Pournaghshband, H., pournaghshband, v. (2021). *APPENDING SECURITY THEORIES TO PROJECTS IN UPPER-DIVISION CS COURSES*. International Conference on Computer Science and Information Technology.

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Pournaghshband, H. (2021). *Gamification Integration and Student Motivation*. Systemics, Cybernetics and Informatics:WMSCI 2021.

Conference Proceeding (Accepted)

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Report generated on January 31, 2022

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. (2021). Situational Awareness in Acute Deterioration: Identifying Student Time to Task. *Nurse Educator*, 46(2), ., Impact Factor: 1.454Peer Review - Refereed

Journal Article, Academic Journal (Revising to Resubmit)

Brown, A., Do, A. (Revising to Resubmit). Predicting Multiple Injuries to Major League Baseball Pitchers: A Logistic Regression Analysis over the 2009 – 2019 Regular Seasons. *Research in Sports Medicine*, ., Impact Factor: 1.87Peer Review - Refereed

Journal Article, Academic Journal (Not Accepted)

Rushton, G. R. T., Brown, A., Albrecht, E. A. (Not Accepted). Hierarchical Cluster Heat Mapping as a Visual Approach to Assessment. *Educational Assessment*, ., Impact Factor: 2.3Peer Review - Refereed

Journal Article, Academic Journal (Not Accepted)

Brown, A., Kouakou, F. (Not Accepted). Assessing the Effect of Repeat Injuries in Major League Baseball on Likelihood of a Winning Season. *Journal of Quantitative Analysis in Sport*, .Peer Review - Refereed

Journal Article, Academic Journal (Submitted)

Taasoobshirazi, G., Wagner, M., Brown, A., Copeland, C. (under review). An evaluation of college students' perceptions of statisticians. *Journal of Statistics and Data Science Education*, ., Impact Factor: 1.2Peer Review - Refereed

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

Brown, A., Brown, C. J. (In Preparation; Not Yet Submitted). The Effect of Nutrition and Exercise on Cognitive Decline: A Logistic Regression Analysis using the 2019 Behavioral Risk Factor Surveillance System. *American Journal of Public Health*, ., Impact Factor: 9.31Peer Review - Refereed

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

Armstrong, M. C., Brown, A. (In Preparation; Not Yet Submitted). NFL Fantasy Football Roster Management for Running Backs and Wide Receivers: A Random Forest Approach. *Journal of Sports Analytics*, .Peer Review - Refereed

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Klinczar, A. M., Bateman, F. L., Griffies, J. D., Arnold, R. R., Brown, A. (Published). Determination of amikacin stability at 1% and 3% concentrations in four topical solutions over a 56 day period. *Journal of Veterinary Dermatology*, ., Impact Factor: 1.697

Journal Article, Academic Journal (Revising to Resubmit)

Lopez, R., Ikedum, I., Ndungu, B., Brown, A., Sneha, S. (Revising to Resubmit). Assessing the Relationship Between Educational Attainment and Flu Vaccination: An Examination of the 2019 Behavioral Risk Factor Surveillance System. *Vaccine*, ., Impact Factor: 3.143

Chowdhury, Mohammed (Assistant Professor)

Books

Book, Scholarly-New (In Preparation; Not Yet Submitted)

Chowdhury, M. R. (In Preparation; Not Yet Submitted). *Side by Side Learning of R and Python Programming*. Springer.

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Zahangir, S., Chowdhury, M. R. (2021). Trends and determinants of knowledge and awareness of HIV/AIDS among married women in Bangladesh: An urban-rural comparison. *Demografie, Review of Population Research*, .

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Refereed Journal Articles

Journal Article, Academic Journal (Published)

Spiva, E. L., Hendenstrom, L., Ballard, N. M., Buitrago, P., Davis, S., Hogue, V., Box, M., Taasobshirazi, G., Case-Wirth, J. (2021). Nursing Leader Training and Strength-Based Coaching to Impact Leadership Style and Resiliency. *Nursing Management*, 52(10), 42-50, .Peer Review - Refereed

Journal Article, Academic Journal (Published)

Fatehi, K., Taasobshirazi, G., Sanchez-Gutierrez, J. (Published). Toward epistemological identification of the four major mindscapes. *Review of International Business and Strategy/Emerald, Early Cites (volume and pages are not determined)*(TBD), TBD, ., <http://emeraldpublishing.com/oapartnerships>Peer Review - Refereed

Journal Article, Academic Journal (Submitted)

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Journal Article, Academic Journal (Submitted)

Peifer, J., Taasoobshirazi, G. (under review). Heightened Cognitive Empathy through Ethnic Identity and Intercultural Competence for Individuals with Historically Marginalized Identities. *Cultural Diversity & Ethnic Minority Psychology*, ., Impact Factor: 4.052

Other Intellectual Contributions

(Submitted)

Taasoobshirazi, G., Duncan, L. (under review). *Giftedness as a Precursor to Expertise: Recommendations for Studying Academic Success in Science*. Kennesaw: Sage Open. 1000 Chastain Dr.

Manuscript (Submitted)

Taasoobshirazi, G., Hord, A., Vaughn, A., Treadaway, H., Johnson, M. (under review). *Using Motivational Theories to Study Imposter Phenomenon Among Academics*. Kennesaw: Gender, Work, and Organization. 1000 Chastain Dr.

Woo, MinJae (Assistant Professor)

Non-Refereed Journal Articles

Journal Article, Academic Journal (Accepted)

Woo, M., Mishra, P., Lin, J., Kar, S., Deas, N., Linduff, C., Niu, S., Yang, Y., McClendon, J., Smith, D. Hudson, Shelton, S., Gainey, C., Gerard, W., Smith, M., Griffin, S., Gimbel, R., Waabmitbmssin Journal0n "TTUUUUs (aw)-2.9, R, ron,

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Du, Z., Zhang, X., Tang, Z. (2021). More evidence for prediction model of radiosensitivity. *Bioscience reports*, 41(4), .

Journal Article, Academic Journal (Submitted)

Zhang, X., Yi, N. (under review). Analyzing the overall effects of the microbiome abundance data with a Bayesian predictive value approach. *Statistical Methods in Medical research*, .