

Intellectual Contributions

College of Computing and Software Engineering
Kennesaw State University
January 1, 2023 - December 31, 2023

Department of Computer Science

Aygun, Ramazan (Associate Professor)

Book Chapters

Book, Chapter in Scholarly Book-New (Accepted)

Boyapati, M., Aygun, R. (in press). Explainable Machine Learning for Default Prediction on Commercial Credit Big Data Using Graph-based Variable Clustering. *ENCYCLOPEDIA WITH SEMANTIC COMPUTING AND ROBOTIC INTELLIGENCE*.
<https://www.worldscientific.com/doi/abs/10.1142/S2529737623500119>Invited

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Rathgamage Don, D. P., Boardman, J., Sayenju, S., Aygun, R., Zhang, Y., Franks, W., Johnston, S., Lee, G., Sullivan, D., Modgil, G. (2023). Automation of Explainability Auditing for Image Recognition. *International Journal of Multimedia Engineering and Management*, 14(1), 17, ., <https://www.igi-global.com/gateway/article/332882>Editorial Review

Journal Article, Academic Journal (Published)

Koirala, P., Aygun, R., Mukherjee, T., Chung, H. (2023). Temporal Information Retrieval using Bitwise Operators. *Information Retrieval Journal*, 26(4), .Peer Review - Refereed

Journal Article, Academic Journal (Accepted)

Veksler, M., Aygun, R., Akkaya, K., Iyengar, S. (in press). CNN Ensemble for Video Source Camera Forensics. *To appear in IEEE Multimedia*, .Peer Review - Refereed

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Rogers, J., Aygun, R., Etkorn, L. (2023). Confidence-Based Cheat Detection Through Constrained Order Inference of Temporal Sequences. *International Journal of Semantic Computing*, 17(2), 223-247, .

Journal Article, Academic Journal (Published)

Rogers, J., Aygun, R., Etkorn, L. (2023). TemporalDedup: Domain-Independent Deduplication of Redundant and Errant Temporal Data. *International Journal of Semantic Computing*, 17(2), 309-343, .

Conference Proceedings

Conference Proceeding (Published)

Sayenju, S., Aygun, R., Franks, W., Johnston, S., Lee, G., Choi, H., Modgil, G. (2023). *Quantifying Domain Knowledge in Large Language Models*. IEEE CAI 2023.Peer Review - Refereed

Conference Proceeding (Published)

Rogers, J., Aygun, R., Etkorn, L. (2023). *Detection of Semantic Duplicates in Temporal Domains Using Directed Acyclic Graphs*. 2023 IEEE SoutheastCon. Peer Review - Refereed

Conference Proceeding (Published)

Don, D. R., Aygun, R., Karakaya, M. (2023). *A Multistage Framework for Detection of Very Small Objects*. 2023 The 6th International Conference on Machine Vision and Applications (ICMVA 2023). Peer Review - Refereed

Conference Proceeding (Published)

Boyapati, M., Aygun, R. (2023). *Phishing Web Page Detection Using Web Scraping*. 2023 IEEE SoutheastCon. Peer Review - Refereed

Conference Proceeding (Published)

Boyapati, M., Aygun, R. (2023). *Default Prediction on Commercial Credit Big Data Using Graph-based Variable Clustering*. 2023 IEEE International Conference on Semantic Computing (short paper). Peer Review - Refereed

Conference Proceeding (Published)

Karakaya, M., Aygun, R. (2023). *Retinal Biomarkers for Detecting Diabetic Retinopathy Using Smartphone-Based Deep Learning Frameworks*. IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP 2023). Peer Review - Refereed

Conference Proceeding (Accepted)

Patel, A., Aygun, R. (in press). *Functional Validation of Supervised Learning Tasks for Reproducible Machine Learning*. ICSC 2024 (IEEE International Conference on Semantic Computing). Peer Review - Refereed

Conference Proceeding (Accepted)

Boyapati, M., Aygun, R. (in press). *Semanformer: Semantics-aware Embedding Dimensionality Reduction Using Transformer-Based Models*. ICSC 2024 (IEEE International Conference on Semantic Computing). Peer Review - Refereed

Conference Proceeding (Accepted)

Mhatre, j., Lee, A., Lee, H. L., Aygun, R. (in press). *Design and Implementation of Multithreaded CAD-enabled LoRa Simulator for Massive IoT*. IMCOM 2024. Peer Review - Refereed

Cetinkaya, Coskun (Professor)

Conference Proceedings

Conference Proceeding (Published)

Zhuang, Y., Liu, H., Song, E., Cetinkaya, C., Hung, C.-C. (2023). *An Unpaired Cross-modality Segmentation Framework Using Data Augmentation and Hybrid Convolutional Networks for Segmenting Vestibular Schwannoma and Cochlea*. Vancouver: International Conference on Medical Image Computing and Computer Assisted Intervention. Peer Review - Refereed

Choi, Arthur Y. (Assistant Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Fernandes, G., Choi, A., Darwiche, A., Alshurafa, N. (2023). Design and Usability Study of PRIMO: An Explainable Artificial Intelligence Software Tool for Weight Management Experts. *Journal of Medical Internet Research*, ., Impact Factor: 7.08, <https://www.jmir.org>Peer Review - Refereed

Journal Article, Academic Journal (Accepted)

Borowski, R., Choi, A. (in press). On Bounding the Behavior of Neurons. *To appear in International Journal on Artificial Intelligence Tools*, ., <https://www.worldscientific.com/worldscinet/ijait>Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)

Kennedy, L., Kindo, I., Choi, A. (2023). *On Training Neurons with Bounded Compilations*. International Conference on Principles of Knowledge Representation and Reasoning (KR). <https://kr.org/KR2023/>Peer Review - Refereed

Conference Proceeding (Published)

Borowski, R., Choi, A. (2023). *On Bounding the Behavior of a Neuron*. The 36th International FLAIRS Conference. <https://www.flairs-36.info>Peer Review - Refereed

Other Intellectual Contributions

Challenge Problem (Accepted)

Mohan, K., Choi, A. (in press). *Causal Discovery with Imperfect Data: An Integrated AI & OR Approach*,. Computing Research Association.Peer Review - Refereed

Clincy, Victor A. (Professor)

Conference Proceedings

Conference Proceeding (Published)

Akter, S., Shahriar, H., Hossain, M., Karim, M. A., Clincy, V. A., Voicu, R. (2023). *Exploring the Vulnerabilities of Machine Learning and Quantum Machine Learning to Adversarial Attacks using a Malware Dataset: A Comparative Analysis* (pp. 6). 2023 IEEE International Conference on Software Services Engineering (SSE).Peer Review - Refereed

Deng, Bobin (Assistant Professor)

Conference Proceedings

Conference Proceeding (Accepted)

Lo, D. C.-T., Deng, B., Shi, Y. (2023). *Deep Machine Learning on Segmenting and Classifying Crop Images Taken by Unmanned Aerial Vehicle*. IEEE Big Data 2023 Workshops.Peer Review - Refereed

Conference Proceeding (Accepted)

Nadendla, B. S., Deng, B., Lo, D. C.-T. (in press). *A LUT-based Fixed-Modulo Architecture for Efficient Multipliers of Residue Number System*. 13th International Conference on Information and Electronics Engineering. Peer Review - Refereed

Conference Proceeding (Accepted)

Deng, B., Zhang, X., Lo, D. C.-T. (in press). *Serverless-DFS: Serverless Federated Learning with Dynamic Forest Strategy*. The 12th International Conference on Networks, Communication and Computing. Peer Review - Refereed

Haddad, Hisham M. (Professor)

Conference Proceedings

Conference Proceeding (Published)

Tahora, S., Saha, B., Sakib, N., Shahriar, H., Haddad, H. (2023). *Blockchain Technology in Higher Education Ecosystem: Unraveling the Good, Bad, and Ugly* (pp. 1047-1056). 2023 IEEE 47th Annual Computers, Software, and Applications Conference (COMPSAC), Torino, Italy, 2023. <https://ieeexplore.ieee.org/document/10196859> Peer Review - Refereed

He, Selena S. (Associate Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Sanku, B. S., Li, J., Jung, S., Mei, C., He, S. (2023). Enhancing Attention in Autism Spectrum Disorder: Comparative Analysis of Virtual Reality-Based Training Programs Using Physiological Data. *Frontiers in Computer Science, section Human-Media Interaction*, 5(2023), ., Impact Factor: 2.93, <https://www.frontiersin.org/articles/10.3389/fcomp.2023.1250652/full> Peer Review - Refereed

Journal Article, Professional Journal (Accepted)

Li, C., Xu, B., Chen, Z., Huang, X., He, S., Xie, X. (2023). Classification Algorithm Comparison for Social Phobia of College Students. *To appear in Applied Sciences*, . Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)

Streeter, M., Li, Z., Li, J., Zhang, C., Tian, S., He, S. (2023). *Brain-Computer Interface and VR/AR for the Diagnosis and Intervention of ADHD and ASD: A Preliminary Review*. ISCAP 2023 Conference. Peer Review - Refereed

Conference Proceeding (Published)

He, S., Li, Z., Tian, S. (2023). *An IoT-based System of Converting Handwritten Text to Editable Format via Gesture Recognition*. ACM SIGITE 2023. Peer Review - Refereed

Conference Proceeding (Published)

Sanku, B. S., Li, J., He, S. (2023). *A Survey of VR-Based Neurofeedback Systems in Physiological Computing for Depression Treatment*. Xi'an: 2023 the 9th International Conference on Virtual Reality. <https://ieeexplore.ieee.org/document/10169583>Peer Review - Refereed

Conference Proceeding (Published)

Li, J., Sanku, B. S., Mei, C., He, S. (2023). *Designing an Empathy Training for Depression Prevention Using Virtual Reality: a Preliminary Study* (pp. 44-52). IEEE VR 2023 Workshop: 3D Content Creation for Simulated Training in XR. <https://ieeexplore.ieee.org/document/10108699>Peer Review - Refereed

Conference Proceeding (Published)

He, S., Nguyen, T., Suo, K. (2023). *Robust Efficient License Plate and Character Detection System Based on Simplified CNN*. ACM Southeast conference. Peer Review - Refereed

Other Intellectual Contributions

Published Abstract (Published)

Sanku, B. S., He, S., Li, J. (2023). *Enhancing Attention in Autism Spectrum Disorder: Comparative Analysis of Virtual Reality-Based Training Programs Using Physiological Data*. ISNR 2023 Annual Conference. Peer Review - Refereed

Published Abstract (Published)

Sanku, B. S., Li, J., Mei, C., He, S. (2023). *Use of Eye Behaviours and Physiological Monitoring in Virtual Reality for Attention Training on Autism Spectrum*. International Society for Neuroregulation & Research Conference (ISNR) 2023. <https://isnr.org/conference>Peer Review - Refereed

Hung, Chih-Cheng (Professor)

Refereed Journal Articles

Journal Article, Professional Journal (Published)

Zhuang, Y., Liu, H., Song, E., Xu, X., Liao, Y., Ye, G., Hung, C.-C. (2024). A 3D Anatomy-Guided Self-Training Segmentation Framework for Unpaired Cross-Modality Medical Image Segmentation. *IEEE Transactions on Radiation and Plasma Medical Sciences*, 8(1), 33-52. Peer Review - Refereed

Journal Article, Professional Journal (Published)

Zheng, D., Wu, Z., Liu, J., Hung, C.-C., Wei, Z. (Published). Detail Enhanced Change Detection in VHR Images Using A Self-Supervised Multi-Scale Hybrid Network. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, Peer Review - Refereed

Journal Article, Professional Journal (Published)

Liu, S., Li, L., Fang, M., Hung, C.-C., Yang, S. (2023). A Prompt Learning Based Intent Recognition Method on a Chinese Implicit Intent Dataset CIID. *Neural Processing Letters/Springer*, 55, 11017-11034, Peer Review - Refereed

Journal Article, Professional Journal (Published)

Song, E., Zhan, B., Liu, H., Cetinkaya, C., Hung, C.-C. (2023). NMNet: Learning Multi-level Semantic Information from Scale Extension Domain for Improved Medical Image Segmentation. *Biomedical Signal Processing and Control /Elsevier*, 83, Peer Review - Refereed <https://doi.org/10.1016/j.bspc.2023.104651>

Journal Article, Academic Journal (Published)

Fang, M., Peng, S., Liang, Y., Hung, C.-C., Liu, S. (2023). A Multimodal Fusion Model with Multi-level Attention Mechanism for Depression Detection. *Biomedical Signal Processing and Control by Elsevier*, 82, ., <https://www.sciencedirect.com/science/article/abs/pii/S1746809422010151>Peer Review - Refereed

Journal Article, Professional Journal (Published)

Liu, H., Zhuang, Y., Song, E., Xu, X., Ma, G., Cetinkaya, C., Hung, C.-C. (2023). A Modality-collaborative Convolution and Transformer Hybrid Network for Unpaired Multi-modal Medical Image Segmentation with Limited Annotations. *Medical Physics/Wiley*, 50(9), 5460-5478, ., <https://doi.org/10.1002/mp.16338>Peer Review - Refereed

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Zhuang, Y., Liu, H., Song, E., Hung, C.-C. (2023). A 3D Cross-Modality Feature Interaction Network with Volumetric Feature Alignment for Brain Tumor and Tissue Segmentation. *IEEE Journal of Biomedical and Health Informatics*, 27(1), .

Conference Proceedings

Conference Proceeding (Published)

Zhuang, Y., Liu, H., Song, E., Cetinkaya, C., Hung, C.-C. (2023). *An Unpaired Cross-modality Segmentation Framework Using Data Augmentation and Hybrid Convolutional Networks for Segmenting Vestibular Schwannoma and Cochlea*. Vancour: International Conference on Medical Image Computing and Computer Assisted Intervention.Peer Review - Refereed

Islam, Kazi Aminul (Assistant Professor)

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Hill, V. J., Zimmerman, R. C., Bissett, P., Kohler, D., Schaeffer, B., Coffey, M., Li, J., Islam, K. A. (2023). Impact of Atmospheric Correction on Classification and Quantification of Seagrass Density from WorldView-2 Imagery. *Remote Sensing*, 15(19), 4715, .

Conference Proceedings

Conference Proceeding (Published)

Tasneem, S., Islam, K. A. (2023). *Development of Trustable Deep Learning Model in Remote Sensing Through Explainable-AI Method Selection*. 2023 IEEE 14th Annual Ubiquitous Computing, Electronics & Mobile Communication Conference (UEMCON), New York, NY, USA,.Peer Review - Refereed

Islam, Rifatul (Assistant Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Accepted)

Islam, R. (2024). Investigating Personalization Techniques for Improved Cybersickness Prediction in Virtual Reality Environments.Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)

Islam, R. (2023). *LiteVR: Interpretable and Lightweight Cybersickness Detection using Explainable AI*. Peer Review - Refereed

Conference Proceeding (Accepted)

Islam, J., Islam, R. (2024). *Towards Optimized Cybersickness Prediction for Computationally Constrained Standalone Virtual Reality Devices*. Peer Review - Refereed

Karakaya, Mahmut (Assistant Professor)

Conference Proceedings

Conference Proceeding (Published)

Don, D. R., Aygun, R., Karakaya, M. (2023). *A Multistage Framework for Detection of Very Small Objects*. 2023 The 6th International Conference on Machine Vision and Applications (ICMVA 2023). Peer Review - Refereed

Conference Proceeding (Published)

Kota, J. S., Karakaya, M. (2023). *Challenges in Off-angle to Frontal Iris Image Conversion using Pix2Pix Generative Adversarial Networks*. IEEE International Joint Conference on Biometrics (IJCB). Peer Review - Refereed

Conference Proceeding (Published)

Palta, H., Omoteso, T., Karakaya, M. (2023). *Blink Detection for Off-Angle Iris Images using Deep Learning*. SPIE Defense and Commercial Sensing. Peer Review - Refereed

Conference Proceeding (Published)

Karakaya, M., Aygun, R. (2023). *Retinal Biomarkers for Detecting Diabetic Retinopathy Using Smartphone-Based Deep Learning Frameworks*. IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP 2023). Peer Review - Refereed

Conference Proceeding (Accepted)

Chavarro, D., Karakaya, M. (in press). *Off-Angle Iris Recognition using Single and Multiple Deep Learning Frameworks*. SPIE.

Khan, Md Abdullah Al Hafiz (Assistant Professor)

Conference Proceedings

Conference Proceeding (Published)

Gopi, S., Dehbozorgi, N., Khan, M. A. A. H. (2024). *Exploring the Impact of CM-II Meditation on Stress Levels in College Students through HRV Analysis*. ASEE South East Selection. Peer Review - Refereed

Conference Proceeding (Published)

Murikipudi, M., Azmee, A. A., Khan, M. A. A. H., Pei, Y. (2023). *CMTN: A Convolutional Multi-Level Transformer to Identify Suicidal Behaviors Using Clinical Notes*. IEEE CompSoc MediComp 2023. Peer Review - Refereed

Conference Proceeding (Published)

Hekman, S., Brock, M., Khan, M. A. A. H., Zhang, X. (2023). *Comparison of Long Short-Term Memory Networks and Temporal Convolutional Networks for Sentiment Analysis*. ACMSE 2023: Proceedings of the 2023 ACM Southeast Conference. https://dl.acm.org/doi/abs/10.1145/3564746.3587000?casa_token=B_BRUBFJ6L0AAAAA:L1Afwl118SCsUIJW0IIOOT5HwxrPJrY0OgBlgK7w0wzrKuKxW3c99UWErFefNOy1GCxnCV1-zlluPeer Review - Refereed

Conference Proceeding (Published)

Azmeem, A. A., Murikipudi, M., Khan, M. A. A. H. (2023). *Detecting Motor Imagery Movement from EEG Signal*. ACM Southeast (ACMSE) conference. <https://dl.acm.org/doi/10.1145/3564746.3587009>Peer Review - Refereed

Conference Proceeding (Published)

Brown, M., Khan, M. A. A. H., Thomas, D., Pei, Y., Nandan, M. (2023). *Detection of Behavioral Health Cases from Sensitive Police Officer Narratives*. IEEE Compsac DIGI-HEALTH 2023.Peer Review - Refereed

Conference Proceeding (Published)

Zhang, X., Pedarla, L. P., Zhao, L., Khan, M. A. A. H. (2023). *Evaluation of Query-Based Membership Inference Attack on the Medical Data*. ACM Southeast (ACMSE) conference. <https://dl.acm.org/doi/10.1145/3564746.3587027>Peer Review - Refereed

Conference Proceeding (Published)

Khan, M. A. A. H., Murikipudi, M., Azmeem, A. A. (2023). *Post-stroke Exercise Assessment using Hybrid Quantum Neural Network*. IEEE Compsac SCH – Smart & Connected Health 2023.Peer Review - Refereed

Conference Proceeding (Published)

Azmeem, A. A., Murikipudi, M., Khan, M. A. A. H., Pei, Y. (2023). In IEEE Compsac (Ed.), *Sentence Level Analysis for Detecting Mental Health Causes Using Social Media Posts*. IEEE Compsac DIGI-HEALTH 2023.Peer Review - Refereed

Conference Proceeding (Published)

Khan, N., Khan, M. A. A. H., Roy, N. (2023). *Unsupervised spatio-temporal anomalous thermal behavior monitoring of inside-built environments*. IEEE DCROSS-IoT 2023.Peer Review - Refereed

Conference Proceeding (Accepted)

Azmeem, A. A., Brown, M., Khan, M. A. A. H., Thomas, D., Pei, Y., Nandan, M. (2023). *Domain-Enhanced Attention Enabled Deep Network for Behavioral Health Identification from 911 Narratives*. IEEE Bigdata: 9th Special Session on Intelligent Data Mining.Peer Review - Refereed

Other Intellectual Contributions

Published Abstract (Published)

Ozcelik, M., Prats, B., Khan, M. A. A. H. (2023). *AI-Driven Natural Language Processing: Context Prediction*. Marietta, Georgia: KSU Student Symposium (Fall 2023).Peer Review - Refereed

Published Abstract (Published)

Dymanus, C., Borowski, A., Zeches, L., Khan, M. A. A. H. (Published). *Aspect-Based Sentiment Analysis and Summarization of Online Product Reviews*. KSU Fall Student Symposium 2023.Peer Review - Refereed

Published Abstract (Published)

Dargan, C., Khan, M. A. A. H., Azmee, A. A. (Published). *Automated thought-to-text conversion through automated brainwave signal annotation*. National Conference for Undergraduate Research. Peer Review - Refereed

Published Abstract (Published)

Tarrant, J., Khan, M. A. A. H. (2023). *Convolutional Autoencoder for Email Spam Detection*. KSU Student Symposium Fall 2023. Peer Review - Refereed

Published Abstract (Published)

Jonnalagadda, R. S., Khan, M. A. A. H. (2023). In Kennesaw State University DigitalCommons (Ed.), *Developing a Machine Learning Model to Categorize Mental Health Forums Using Scraping and Crawling in Python*. KSU Student Symposium 2023-- Kennesaw State University DigitalCommons. Editorial Review

Published Abstract (Published)

devineni, s., Bodakunta, T., Khan, M. A. A. H. (2023). *eGR-518 A Multi-Model Approach for Detecting and Combating Fake News*. Marietta, Georgia: KSU C-Day Fall 2023. Peer Review - Refereed

Published Abstract (Published)

Deem, R., Weese, E., Khan, M. A. A. H. (2023). *Email Summarizer and Action Item Extractor*. Marietta, Georgia: KSU Symposium Fall 2023. Peer Review - Refereed

Published Abstract (Published)

Gillott, G. T., Khan, M. A. A. H. (2023). *eUR-443: The Compression Connection: NCD and KNN in Law Enforcement Text Analytics*. KSU C-Day Fall 2023. Peer Review - Refereed

Published Abstract (Published)

Deem, R., Khan, M. A. A. H. (2023). *GC-345 BrainNet: Using Deep Learning to Classify Brain Tumors*. Marietta, Georgia: C-Day.
https://digitalcommons.kennesaw.edu/cday/Spring_2023/Graduate_Capstone/6/Peer
Review - Refereed

Published Abstract (Published)

Weese, E. C., Khan, M. A. A. H. (2023). *GR-354 Classifying Brain Tumors using CNNs*. Marietta, Georgia: KSU C-Day Spring 2023. Peer Review - Refereed

Published Abstract (Published)

Meesala, L., Khan, M. A. A. H. (2023). *GR-405: Boosting Clickbait Detection through Semantic Insights and Attention-Driven Neural Network*. KSU C-Day Fall 2023. Peer Review - Refereed

Published Abstract (Published)

Parmar, D., Anugu, R. R., Khan, M. A. A. H. (2023). *GR-515: Developing a Conversational Chatbot using Seq2Seq Model with TensorFlow*. National Conference for Undergraduate Research. Peer Review - Refereed

Published Abstract (Published)

Sohal, J., Vidal, A., Khan, M. A. A. H. (2023). *Implementation of Natural Language Processing Language Models to Generate Executable Code*. KSU Fall 2023 Symposium. Editorial Review

Published Abstract (Published)

Servies, N., Masadeh, R., Khan, M. A. A. H. (2023). *Medical Records Summarization Using Prompt Based QA NLP*. KSU C-Day Fall 2023. Peer Review - Refereed

Published Abstract (Published)

Ehme, M., Chester, M., Molinari, K., Khan, M. A. A. H. (2023). *Passage Re-Ranking in Live QA NLP Pipelines with BERT*. KSU Fall 2023 Symposium. Editorial Review

Published Abstract (Published)

Gueye, I., Azmee, A. A., Khan, M. A. A. H. (2023). *Predicting Malware attacks with the help of Machine Learning*. National Conference for Undergraduate Research (NCUR 2023). Peer Review - Refereed

Published Abstract (Published)

Dargan, C., Khan, M. A. A. H. (2023). *Thought To Text: An EEG Driven Approach for Predicting Letters*. Marietta, Georgia: KSU Student Symposium (Fall 2023). Peer Review - Refereed

Published Abstract (Published)

Solon, B., Khan, M. A. A. H. (2023). *Toxic Comment Classification Project*. Marietta, Georgia: KSU Student Symposium (Fall 2023). Peer Review - Refereed

Published Abstract (Published)

Curca, S., Khan, M. A. A. H. (2023). *UC-329 PetWatch*. KSU C-Day Spring 2023. Peer Review - Refereed

Published Abstract (Published)

Phan, P., Ho, D., Khan, M. A. A. H. (2023). *UR-322 Hand Written Alphabets Recognition using Convolution Neural Network*. KSU C-Day 2023. Editorial Review

Published Abstract (Published)

Moon, D. J., Shiroya, A., Khan, M. A. A. H. (2023). *UR-326 Cancer Recognition using Deep Learning*. KSU C-day Spring 2023. Peer Review - Refereed

Published Abstract (Published)

Tarrant, J., Khan, M. A. A. H. (2023). *UR-327 SETI Radio Telescope Denoising*. Marietta, Georgia: KSU C-Day Spring 2023. Peer Review - Refereed

Published Abstract (Published)

Mitchell, A. T., Phillip, B., Khan, M. A. A. H. (2023). *UR-351 Exploring Deep Learning Algorithms for Genre Classification*. Marietta, Georgia: KSU C-Day Spring 2023. Peer Review - Refereed

Published Abstract (Published)

Swann, M. B., Clark, N., Khan, M. A. A. H. (2023). *UR-369 Classifying Chest X-Rays of Pneumonia Using Transfer Learning*. Marietta, Georgia: C-Day.
https://digitalcommons.kennesaw.edu/cday/Spring_2023/Undergraduate_Research/6/Peer_Review - Refereed

Published Abstract (Published)

Ryan, L., Zac, C., Khan, M. A. A. H. (2023). *UR-390 BactiFind: A Novel CNN-based Framework to Classify Bacterial Species*. Marietta, Georgia: C-Day.
https://digitalcommons.kennesaw.edu/cday/Spring_2023/Undergraduate_Research/1/Peer_Review - Refereed

Published Abstract (Published)

Gillott, G. T., Khan, M. A. A. H. (2023). *UR-445: Symphony of Silicon: Rethinking Music Creation through Deep Learning Models*. KSU C-Day Fall 2023. Peer Review - Refereed

Published Abstract (Published)

Phillip, B., Khan, M. A. A. H. (2023). *Using Vector Semantics to Generate Human Readable Text Summaries and Keywords*. Marietta, Georgia: KSU Student Symposium (Fall 2023).Peer Review - Refereed

Published Abstract (Published)

Walker, J., Murikipudi, M., Khan, M. A. A. H. (2023). *Vicon sensed Post-stroke rehabilitation exercise assessment using Attention based CNN*. National Conference for Undergraduate Research (NCUR).Peer Review - Refereed

Published Abstract (Published)

Iguenfer, F. Z., Luchuk, N., Eshaghian, S., Khan, M. A. A. H. (2023). *DarBERT: A Moroccan Arabic Language Model*. Student Symposium Fall 2023-- DigitalCommons@Kennesaw State University.Peer Review - Refereed

Published Abstract (Published)

Vasireddi, D., ERLA, S. P. R., Khan, M. A. A. H. (2023). In DigitalCommons@Kennesaw State University (Ed.), *GR-507: Sentiment Analysis on Movie Reviews*. KSU C-Day Fall 2023 -- DigitalCommons@Kennesaw State University.Peer Review - Refereed

Published Abstract (Published)

Dadson, B., Lennon, C., Anthony, K., Khan, M. A. A. H. (2023). In DigitalCommons@Kennesaw State University (Ed.), *Interview Q&A System using Natural Language Processing*. KSU Fall Student Symposium 2023 -- DigitalCommons@Kennesaw State University.Editorial Review

Published Abstract (Published)

Lucena, C., Clark, N., Khan, M. A. A. H. (2023). In DigitalCommons@Kennesaw State University (Ed.), *Revolutionizing Healthcare Data Analysis: Semi-Supervised EHR Classification with Transfer Learning*. KSU Fall Student Symposium 2023 -- DigitalCommons@Kennesaw State University.Peer Review - Refereed

Published Abstract (Published)

Palanisamy, I., Ogene, J., Khan, M. A. A. H. (2023). In DigitalCommons@Kennesaw State University (Ed.), *Revolutionizing Vehicle Autonomous Control: NLP-Powered Voice Command System*. KSU Fall Student Symposium 2023-- DigitalCommons@Kennesaw State University.Peer Review - Refereed

Published Abstract (Published)

Gottam, V., Puvvada, P. S., Khan, M. A. A. H. (2023). In DigitalCommons@Kennesaw State University (Ed.), *Text Summarization*. KSU Fall Student Symposium 2023 -- DigitalCommons@Kennesaw State University.Peer Review - Refereed

Published Abstract (Published)

Sohal, J., Khan, M. A. A. H. (2023). *Analysis of Multi-Activation Layers in Neural Network Architectures*. Student Symposium - DigitalCommons@Kennesaw State University.
<https://digitalcommons.kennesaw.edu/undergradsymposiumksu/spring2023/presentations/19/>Editorial Review

Published Abstract (Published)

Dargan, C., Khan, M. A. A. H. (2023). *Automated Thought-to-Text Conversion Through Automated Brainwave Signal Annotation*. Student Symposium -- DigitalCommons@Kennesaw State University.
<https://digitalcommons.kennesaw.edu/undergradsymposiumksu/spring2023/presentations/215/>Editorial Review

Published Abstract (Published)

Murikipudi, M., Azmee, A. A., Khan, M. A. A. H. (2023). In DigitalCommons@Kennesaw State University (Ed.), *Classification and Comparative Analysis of In-Hospital Suicidal Behaviors of Patients Using Neural Networks And NLP Techniques*. Student Symposium -- DigitalCommons@Kennesaw State University.
[https://digitalcommons.kennesaw.edu/undergradsymposiumksu/spring2023/presentations/159/Editorial Review](https://digitalcommons.kennesaw.edu/undergradsymposiumksu/spring2023/presentations/159/Editorial%20Review)

Published Abstract (Published)

Kure, B., Khan, M. A. A. H. (2023). In DigitalCommons@Kennesaw State University (Ed.), *Detecting Bacterial and Viral Pneumonia in Chest X-Ray Images Using Deep Learning*. Student Symposium -- DigitalCommons@Kennesaw State University.
[https://digitalcommons.kennesaw.edu/undergradsymposiumksu/spring2023/presentations/17/Editorial Review](https://digitalcommons.kennesaw.edu/undergradsymposiumksu/spring2023/presentations/17/Editorial%20Review)

Published Abstract (Published)

Meesala, L., Khan, M. A. A. H. (2023). In DigitalCommons@Kennesaw State University (Ed.), *Detecting Early Stage Knee Osteoarthritis Using Deep Transfer Learning*. Student Symposium -- DigitalCommons@Kennesaw State University.
[https://digitalcommons.kennesaw.edu/undergradsymposiumksu/spring2023/presentations/160/Editorial Review](https://digitalcommons.kennesaw.edu/undergradsymposiumksu/spring2023/presentations/160/Editorial%20Review)

Published Abstract (Published)

Hutchison, A., Cummings, A., Ingram, A., Khan, M. A. A. H. (2023). In DigitalCommons@Kennesaw State University (Ed.), *Face Mask Detection in Images Through Deep Learning*. Student Symposium -- DigitalCommons@Kennesaw State University.
[https://digitalcommons.kennesaw.edu/undergradsymposiumksu/spring2023/presentations/103/Editorial Review](https://digitalcommons.kennesaw.edu/undergradsymposiumksu/spring2023/presentations/103/Editorial%20Review)

Published Abstract (Published)

Walker, J., Hillhouse, K., Murikipudi, M., Khan, M. A. A. H. (2023). In DigitalCommons@Kennesaw State University (Ed.), *Identification of Suicidal Despair using Convolutional Long-Short-Term-Memory Network and Natural Language Processing (NLP) techniques*. Student Symposium -- DigitalCommons@Kennesaw State University.
[https://digitalcommons.kennesaw.edu/undergradsymposiumksu/spring2023/presentations/40/Editorial Review](https://digitalcommons.kennesaw.edu/undergradsymposiumksu/spring2023/presentations/40/Editorial%20Review)

Published Abstract (Published)

Wishart, B., Gueye, I., Azmee, A. A., Khan, M. A. A. H. (2023). In DigitalCommons@Kennesaw State University (Ed.), *Identifying Mental Health Conditions from Social Media using Deep Learning*. Student Symposium -- DigitalCommons@Kennesaw State University.
[https://digitalcommons.kennesaw.edu/undergradsymposiumksu/spring2023/presentations/193/Editorial Review](https://digitalcommons.kennesaw.edu/undergradsymposiumksu/spring2023/presentations/193/Editorial%20Review)

Published Abstract (Published)

Fu, Y., Hekman, S., Khan, M. A. A. H. (2023). *Integrated Gradient Bias Detection*. Data Science Analytic Day - Kennesaw State University. Editorial Review

Published Abstract (Published)

Madineni, S., Khan, M. A. A. H. (2023). In DigitalCommons@Kennesaw State University (Ed.), *Mental Health Survey Analysis & Prediction Using Deep Learning Algorithms*. Student Symposium -- DigitalCommons@Kennesaw State University.

[https://digitalcommons.kennesaw.edu/undergradsymposiumksu/spring2023/presentations/113/Editorial Review](https://digitalcommons.kennesaw.edu/undergradsymposiumksu/spring2023/presentations/113/Editorial%20Review)

Published Abstract (Published)

Reminisetty, K. G., Khan, M. A. A. H. (2023). In DigitalCommons@Kennesaw State University (Ed.), *Net Hourly Electrical Power Output Prediction in a Combined Cycle Power Plant (CCPP) Krishna Gopi Reminisetty*. Student Symposium -- DigitalCommons@Kennesaw State University.
[https://digitalcommons.kennesaw.edu/undergradsymposiumksu/spring2023/presentations/62/Editorial Review](https://digitalcommons.kennesaw.edu/undergradsymposiumksu/spring2023/presentations/62/Editorial%20Review)

Published Abstract (Published)

Gueye, I., Azmee, A. A., Wishart, B., Khan, M. A. A. H. (2023). *Predicting Malware Attacks with The Help of Machine Learning*. Student Symposium -- DigitalCommons@Kennesaw State University.
[https://digitalcommons.kennesaw.edu/undergradsymposiumksu/spring2023/presentations/148/Editorial Review](https://digitalcommons.kennesaw.edu/undergradsymposiumksu/spring2023/presentations/148/Editorial%20Review)

Published Abstract (Published)

Hillhouse, K., Walker, J., Murikipudi, M., Khan, M. A. A. H. (2023). *Using NLP-based RCNN to Detect Suicide Indicators in Social Media Posts: A Proactive Approach to Lowering Suicide Rates*. Student Symposium -- DigitalCommons@Kennesaw State University.
[https://digitalcommons.kennesaw.edu/undergradsymposiumksu/spring2023/presentations/119/Editorial Review](https://digitalcommons.kennesaw.edu/undergradsymposiumksu/spring2023/presentations/119/Editorial%20Review)

Published Abstract (Published)

Wishart, B., Azmee, A. A., Khan, M. A. A. H. (2023). *Identifying Mental Health Issues from Social Media using Machine Learning*. National Conference for Undergraduate Research (NCUR 2023).Peer Review - Refereed

Lee, Ahyoung (Assistant Professor)

Refereed Journal Articles

Journal Article, Professional Journal (Published)

Shao, X., Lee, A., Kim, C. S. (2023). DL-MSCNN: A General and Lightweight Framework for Fault Diagnosis with Limited Training Samples. *Journal of Intelligent Manufacturing, Springer*, .Peer Review - Refereed

Journal Article, Professional Journal (Published)

Mao, M., Va, H., Lee, A., Hong, M. (2023). Supervised Video Coefficient Prediction for Physically-Based Cloth Simulation using Deep Learning. *Journal of Computing and Artificial Intelligence*, .Peer Review - Refereed

Journal Article, Professional Journal (Published)

Lee, S., Lee, A., Hong, M. (2023). Cardiac CT Image Segmentation for Deep Learning-Based Coronary Calcium Detection Using K-Means Clustering and Grabcut Algorithm.Peer Review - Refereed

Journal Article, Professional Journal (Published)

Mhatre, J., Lee, A., Nguyen, T. (2023). Toward an Optimal Latency-Energy Dynamic Offloading Scheme for Collaborative Cloud Networks. *Journal of IEEE Access*, .Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)

Harbin, A., Baldwin, K., Mhatre, J., Lee, A., Lee, H. L. (2023). *Machine Learning Load Balancing Algorithms in SDN-enabled Massive IoT Networks*. The IEEE 42nd International Performance Computing and Communications Conference (IPCCC 2023).Peer Review - Refereed

Conference Proceeding (Published)

Mhatre, J., Lee, A. (2023). *MP-DDPG: Optimal Latency-Energy Dynamic Offloading Scheme in Collaborative Cloud Networks*. The 38th ACM/SIGAPP Symposium On Applied Computing (ACM SAC 2023). <https://www.sigapp.org/sac/sac2023/index.html>Peer Review - Refereed

Conference Proceeding (Accepted)

Lee, H. L., Lee, A. (in press). *Omnidirectional Beamsteering Array Antenna using Renewable Energy for Sustainable Remote Powering of IoT Devices for Continuous Monitoring*. The IEEE Conference on Standards for Communications and Networking (CSCN 2023).Peer Review - Refereed

Conference Proceeding (Accepted)

Mhatre, J., Lee, A., Lee, H. L. (in press). *Frequency Hopping Scheduling Algorithm in Green LoRaWAN: Reinforcement Learning Approach*. IEEE Conference on Standards for Communications and Networking (CSCN 2023).Peer Review - Refereed

Conference Proceeding (Accepted)

Mhatre, j., Lee, A., Lee, H. L., Aygun, R. (in press). *Design and Implementation of Multithreaded CAD-enabled LoRa Simulator for Massive IoT*. IMCOM 2024.Peer Review - Refereed

Lee, Sanghoon (Assistant Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Youn, S., Ball, A., Fulks, C., Lee, S., Na, S. (2023). Effects of activated carbon on the compressive strength of Portland cement concrete. *GEOMECHANICS AND ENGINEERING*(33(1)), 19-27, ., Impact Factor: 3.201Peer Review - Refereed

Journal Article, Academic Journal (Published)

Na, S., Oruc, A., Fulks, C., Adams, T., Kim, D. H., Lee, S., Youn, S. (2023). New energy partitioning method in essential work of fracture (EWF) concept for 3-D printed pristine/recycled HDPE blends. *Geomechanics and Engineering*, 33(1), 11-18, ., Impact Factor: 3.201Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Accepted)

Lee, S., Koganti, S. C., Hwang, I., Woo, M. (in press). *Class probability-guided Ensemble Learning-based Semantic Segmentation to Predict Cancerous Regions on Hematoxylin and Eosin Images*. IEEE Semantic Computing.Peer Review - Refereed

Other Intellectual Contributions

Published Abstract (Published)

Lee, S., Park, S., Cheong, J.-H., Wang, S., Porembka, M., Kim, I.-H., Lee, S. H., Hwang, T. H. (2023). *Spatial image analysis of tumor-infiltrating lymphocytes on gastric cancer to predict anti-PD1 inhibitor response* (7th ed., vol. 83, pp. 1360). Proceedings of the American Association for Cancer Research Annual Meeting 2023. Peer Review - Refereed

Lo, Dan C. T. (Professor)

Conference Proceedings

Conference Proceeding (Published)

Jemal, M., Lo, D. C.-T. (2023). *Detection of Ransomware Attack Using Deep Learning*. The 2023 6th IEEE Conference on Dependable and Secure Computing (IEEE DSC 2023). Peer Review - Refereed

Conference Proceeding (Published)

Shi, Y., Sakib, N., Shahriar, H. M., Lo, D. C.-T., Chi, H., Qian, K. (2023). *AI-Assisted Security: A Step towards Reimagining Software Development for a Safer Future*. 2023 IEEE 47th Annual Computers, Software, and Applications Conference (COMPSAC). Peer Review - Refereed

Conference Proceeding (Published)

Bandi, D., Shi, Y., Shahriar, H. M., Lo, D. C.-T., Suo, K., Chi, H., Qian, K. (2023). *Quantum Machine Learning for Security Data Analysis*. IEEE World AI IoT Congress 2023. Peer Review - Refereed

Conference Proceeding (Published)

Potluri, T., Shi, Y., Shahriar, H. M., Lo, D. C.-T., Meimandi Parizi, R., Chi, H., Qian, K. (2023). *Secure Software Development in Google Colab*. IEEE World AI IoT Congress 2023. Peer Review - Refereed

Conference Proceeding (Published)

Phillip, B., Butler, E., Ulrich, B., Carroll, D., Lo, D. C.-T. (2023). *A Quantum Computing Arithmetic-logic Unit*. ACM Southeast Conference. Peer Review - Refereed

Conference Proceeding (Published)

Thakkar, K., Lo, D. C.-T. (2023). *Video Normalization in Identifying Fake Videos Using a Long Short-term Memory Model*. IEEE Southeast Conference. Peer Review - Refereed

Conference Proceeding (Published)

Lo, D. C.-T., Shahriar, H. M., Qian, K., Whitman, M., Wu, F., Thoman, C. (2023). *Authentic Learning on Machine Learning for Cybersecurity*. ACM SIGCSE. Peer Review - Refereed

Conference Proceeding (Published)

Shi, Y., Shahriar, H. M., Lo, D. C.-T., Qian, K., Chi, H. (2023). *Collaborative and Active Learning with Portable Online Hands-on Labware for Blockchain Development* (978-1-4503-9433-8 ed.). 54th ACM Technical Symposium on Computer Science Education. Peer Review - Refereed

Conference Proceeding (Accepted)

Lo, D. C.-T., Deng, B., Shi, Y. (2023). *Deep Machine Learning on Segmenting and Classifying Crop Images Taken by Unmanned Aerial Vehicle*. IEEE Big Data 2023 Workshops. Peer Review - Refereed

Conference Proceeding (Accepted)

Priest, J., Cooper, C., Lovell, S., Shi, Y., Lo, D. C.-T. (2023). *Design and Implementation of an ERC-20 Smart Contract on the Ethereum Blockchain*. IEEE Big Data 2023 Workshops. Peer Review - Refereed

Conference Proceeding (Accepted)

Nadendla, B. S., Deng, B., Lo, D. C.-T. (in press). *A LUT-based Fixed-Modulo Architecture for Efficient Multipliers of Residue Number System*. 13th International Conference on Information and Electronics Engineering. Peer Review - Refereed

Conference Proceeding (Accepted)

Cooper, E., Weese, E., Fortson, A., Lo, D. C.-T., Shi, Y. (2023). *Cyber Security in Blockchain*. The 2023 6th IEEE Conference on Dependable and Secure Computing (IEEE DSC 2023). Peer Review - Refereed

Conference Proceeding (Accepted)

Deng, B., Zhang, X., Lo, D. C.-T. (in press). *Serverless-DFS: Serverless Federated Learning with Dynamic Forest Strategy*. The 12th International Conference on Networks, Communication and Computing. Peer Review - Refereed

Nguyen, Tu (Assistant Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Wu, H., Chen, J., Nguyen, T., Tang, H. (2023). *Lyapunov-Guided Delay-Aware Energy Efficient Offloading in IIoT-MEC Systems*. *IEEE Transactions on Industrial Informatics*, 19(2), 2117-2128. Peer Review - Refereed

Journal Article, Professional Journal (Published)

Mhatre, J., Lee, A., Nguyen, T. (2023). *Toward an Optimal Latency-Energy Dynamic Offloading Scheme for Collaborative Cloud Networks*. *Journal of IEEE Access*, Peer Review - Refereed

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Nguyen, D. H. P., Lien, Y.-H., Liu, B.-H., Chu, S.-I., Nguyen, T. (2023). *Virtual Network Function Placement for Serving Weighted Services in NFV-Enabled Networks*. *IEEE Systems Journal*, 17(4), 5648-5659. .

Conference Proceedings

Conference Proceeding (Published)

Le, T. V., Nguyen, M. V., Nguyen, T., Dinh, T. N., Djordjevic, I., Zhang, Z.-L. (2023). *Benchmarking Chain Strength: An Optimal Approach for Quantum Annealing*. *2023 IEEE International Conference on Quantum Computing and Engineering (QCE)* (vol. 01, pp. 397-406).

Conference Proceeding (Published)

Nguyen, T., Nguyen, D. H. P., Nguyen, M. V., Le, T. V., Liu, B.-H., Dinh, T. N. (2023). Maximizing Key Distribution Capability: An Application in Quantum Cryptography. *2023 IEEE International Conference on Quantum Computing and Engineering (QCE)* (vol. 01, pp. 1187-1197).

Conference Proceeding (Published)

Le, T., Nguyen, M., Khandavilli, S., Dinh, T. N., Nguyen, T. (2023). *Quantum Annealing Approach for Selective Traveling Salesman Problem*. *IEEE International Conference on Communications*. Peer Review - Refereed

Conference Proceeding (Published)

Khandavilli, S., Palanisamy, I., Nguyen, M. V., Le, T. V., Nguyen, T., Dinh, T. N. (2023). Towards Fidelity-Optimal Qubit Mapping on NISQ Computers. *2023 IEEE International Conference on Quantum Computing and Engineering (QCE)* (vol. 01, pp. 89-98).

Conference Proceeding (Published)

He, S., Nguyen, T., Suo, K. (2023). *Robust Efficient License Plate and Character Detection System Based on Simplified CNN*. *ACM Southeast conference*. Peer Review - Refereed

Noh, Jiho (Assistant Professor)

Conference Proceedings

Conference Proceeding (Accepted)

Gadireddy, G. R., Adatrao, N. S. K., Noh, J. (in press). *A Survey on Conversational Search and Applications in Biomedicine..* *ACM Southeast Conference*. Peer Review - Refereed

North, Sarah M. (Senior Lecturer)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Okhio, C. B., Martin, T., Grosch, T., Tripuraneni, L., North, M., North, S. M., Larez, E., Garofalo, D. (2023). Exploring Design of Experiments to Collect and Analyze Brain Signals Induced by Attention in Immersive Environments. *International Management Review Journal*, 19(1), 16-26, ., <http://www.americanscholarspress.us/journals/IMR/pdf/IMR-1-2023/IMRV19N1-Art2.pdf> Peer Review - Refereed

Journal Article, Academic Journal (Published)

Bulim, J., Maddox, J., North, M., Garofalo, D., North, S. M., Watson, C., Gonzalez, G., Brown, B., Patel, N., Alli, E., Hammer, M., McCracken, J., John, C., Stout, B. (2023). Stock Investment Industry Augmented by Mobile Technology. *International Management Review Journal*, 19(1), 53-63, ., <http://www.americanscholarspress.us/journals/IMR/pdf/IMR-1-2023/IMRV19N1-Art6.pdf> Peer Review - Refereed

Ojo, Femi (Clinical Assistant Professor)

Conference Proceedings

Conference Proceeding (Published)

William, F. (2023). *Introductory Studies on Raga Multi-track Music Generation of Indian classical music using AI*. AIMC 2023 Proceedings.

<https://aimc2023.pubpub.org/pub/4pcwruxo/release/2>Peer Review - Refereed

Parakh, Abhishek (Associate Professor)

Conference Proceedings

Conference Proceeding (Published)

Mallipeddi, R., Schaaf, C., Subramaniam, M., Parakh, A., Weitz-Harms, S. (2023). *A Framework for an Intelligent Adaptive Education Platform for Quantum Cybersecurity*.

2023 IEEE Frontiers in Education Conference (IEEE FIE 2023).Peer Review - Refereed

Conference Proceeding (Published)

Bommanapally, V., Subramaniam, M., Parakh, A. (2023). *Embedding a Problem Graph into Serious Games for Efficient Traversal Through Game Space*. 2023 IEEE Frontiers in Education Conference (IEEE FIE 2023).Peer Review - Refereed

Pei, Yong (Professor)

Conference Proceedings

Conference Proceeding (Published)

Brown, M., Khan, M. A. A. H., Thomas, D., Pei, Y., Nandan, M. (2023). *Detection of Behavioral Health Cases from Sensitive Police Officer Narratives*. IEEE Compsac DIGI-HEALTH 2023.Peer Review - Refereed

Conference Proceeding (Accepted)

Azmee, A. A., Brown, M., Khan, M. A. A. H., Thomas, D., Pei, Y., Nandan, M. (2023). *Domain-Enhanced Attention Enabled Deep Network for Behavioral Health Identification from 911 Narratives*. IEEE Bigdata: 9th Special Session on Intelligent Data Mining.Peer Review - Refereed

Shaw, Alan (Associate Professor)

Book Chapters

Book, Chapter in Scholarly Book-New (Published)

Shaw, A., Crombie, W. (2023). Providing a "Playing Field": An Epistemic Playground, a Sandbox, and the Algebra Project 5-Step Curricular Process. In Olga S. Jarrett, Vera L Stenhouse, Michael M. Patte, John A. Sutterby (Ed.), *Play and Social Justice Across Systems of Inequity*. New York: Peter Lang Ltd International Academic Publishers.Editorial Review

Conference Proceedings

Conference Proceeding (Published)

Shaw, A., Lawler, B., Crombie, W., McKlin, T. (2023). *Computational Thinking and The Algebra Project: From Voice to Agency*. Mathematics Education and Society Conference 12.Peer Review - Refereed

Conference Proceeding (Accepted)

Shaw, A., Lawler, B., Crombie, W., McKlin, T., Brown, T. L., Richards, T. (in press). *Working toward a Mathematics Literacy that Engages Creativity, Imagination and a Mathematical Identity*. The 15th International Congress on Mathematical Education. Peer Review - Refereed

Shi, Yong (Associate Professor)

Conference Proceedings

Conference Proceeding (Published)

Shi, Y., Sakib, N., Shahriar, H. M., Lo, D. C.-T., Chi, H., Qian, K. (2023). *AI-Assisted Security: A Step towards Reimagining Software Development for a Safer Future*. 2023 IEEE 47th Annual Computers, Software, and Applications Conference (COMPSAC). Peer Review - Refereed

Conference Proceeding (Published)

Bandi, D., Shi, Y., Shahriar, H. M., Lo, D. C.-T., Suo, K., Chi, H., Qian, K. (2023). *Quantum Machine Learning for Security Data Analysis*. IEEE World AI IoT Congress 2023. Peer Review - Refereed

Conference Proceeding (Published)

Potluri, T., Shi, Y., Shahriar, H. M., Lo, D. C.-T., Meimandi Parizi, R., Chi, H., Qian, K. (2023). *Secure Software Development in Google Colab*. IEEE World AI IoT Congress 2023. Peer Review - Refereed

Conference Proceeding (Published)

Downing, W., Harvey, D., Wagura, D., Shi, Y. (2023). *Blockchain Development in Colab: An Ethereum- Based Bicycle Registry System*. 2023 IEEE 13th Annual Computing and Communication Workshop and Conference (CCWC). Peer Review - Refereed

Conference Proceeding (Published)

Lupsan, H., Ahmed, R., Shi, Y. (2023). *Cybersecurity in Malware Research*. 2023 IEEE 13th Annual Computing and Communication Workshop and Conference (CCWC). Peer Review - Refereed

Conference Proceeding (Published)

Shi, Y., Shahriar, H. M., Lo, D. C.-T., Qian, K., Chi, H. (2023). *Collaborative and Active Learning with Portable Online Hands-on Labware for Blockchain Development* (978-1-4503-9433-8 ed.). 54th ACM Technical Symposium on Computer Science Education. Peer Review - Refereed

Conference Proceeding (Accepted)

Lo, D. C.-T., Deng, B., Shi, Y. (2023). *Deep Machine Learning on Segmenting and Classifying Crop Images Taken by Unmanned Aerial Vehicle*. IEEE Big Data 2023 Workshops. Peer Review - Refereed

Conference Proceeding (Accepted)

Priest, J., Cooper, C., Lovell, S., Shi, Y., Lo, D. C.-T. (2023). *Design and Implementation of an ERC-20 Smart Contract on the Ethereum Blockchain*. IEEE Big Data 2023 Workshops. Peer Review - Refereed

Conference Proceeding (Accepted)

Cooper, E., Weese, E., Fortson, A., Lo, D. C.-T., Shi, Y. (2023). *Cyber Security in Blockchain*. The 2023 6th IEEE Conference on Dependable and Secure Computing (IEEE DSC 2023).Peer Review - Refereed

Suo, Kun (Assistant Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Huang, H., Zhao, Y., Rao, J., Wu, S., Hai, J., Suo, K., Pan, L. (2023). Adapt Burstable Containers to Variable CPU Resources. *IEEE Transactions on Computers*, ., Acceptance Rate: 24%, Impact Factor: 3.131, <https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=71>Peer Review - Refereed

Journal Article, Academic Journal (Published)

Shin, S., Boyapati, M., Suo, K., Kang, K., Son, J. (2023). An empirical analysis of image augmentation against model inversion attack in federated learning. *The Journal of Networks, Software Tools and Applications*, ., Acceptance Rate: 28%, Impact Factor: 2.303, <https://www.springer.com/journal/10586>Peer Review - Refereed

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Wang, K., Suo, K., Liu, Y., Huang, H., Huang, Z., Jin, H. (2023). Characterizing and Optimizing Kernel Resource Isolation for Containers. *Future Generation Computer Systems*, .

Conference Proceedings

Conference Proceeding (Published)

Bandi, D., Shi, Y., Shahriar, H. M., Lo, D. C.-T., Suo, K., Chi, H., Qian, K. (2023). *Quantum Machine Learning for Security Data Analysis*. IEEE World AI IoT Congress 2023.Peer Review - Refereed

Conference Proceeding (Published)

He, S., Nguyen, T., Suo, K. (2023). *Robust Efficient License Plate and Character Detection System Based on Simplified CNN*. ACM Southeast conference.Peer Review - Refereed

Tasnim, Umama (Lecturer)

Refereed Journal Articles

Journal Article, Academic Journal (Accepted)

Tasnim, U. (in press). Investigating Personalization Techniques for Improved Cybersickness Prediction in Virtual Reality Environments.Peer Review - Refereed

Zhang, Xinyue (Assistant Professor)

Refereed Journal Articles

Journal Article, Professional Journal (Published)

Zhong, H., Huang, C., Zhang, X., Pan, M. (2023). Metaverse CAN: Embracing Continuous, Active, and Non-intrusive Biometric Authentication. *IEEE Network*, ., Impact Factor: 9.3Peer Review - Refereed

Journal Article, Professional Journal (Published)

Zhang, X., Wang, J., Zhang, H., Li, L., Pan, M., Han, Z. (2023). Data-Driven Transportation Network Company Vehicle Scheduling With Users' Location Differential Privacy Preservation. *IEEE Transactions on Mobile Computing*, 22(2), 813 - 823, ., Impact Factor: 7.9Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)

Hekman, S., Brock, M., Khan, M. A. A. H., Zhang, X. (2023). *Comparison of Long Short-Term Memory Networks and Temporal Convolutional Networks for Sentiment Analysis*. ACMSE 2023: Proceedings of the 2023 ACM Southeast Conference. https://dl.acm.org/doi/abs/10.1145/3564746.3587000?casa_token=B_BRUBFJ6L0AAAA:A:L1Afwi118SCsUIJW0IIOOT5HwxrPJrY0OgBlgK7w0wzrKuKxW3c99UWErFefNOy1GCxnCV1-zlluPeer Review - Refereed

Conference Proceeding (Published)

Zhang, X., Pendarla, L. P., Zhao, L., Khan, M. A. A. H. (2023). *Evaluation of Query-Based Membership Inference Attack on the Medical Data*. ACM Southeast (ACMSE) conference. <https://dl.acm.org/doi/10.1145/3564746.3587027>Peer Review - Refereed

Conference Proceeding (Published)

Chen, R., Wan, Q., Zhang, X., Qin, X., Hou, Y., Wang, D., Fu, X., Pan, M. (2023). *EEFL: High-Speed Wireless Communications Inspired Energy Efficient Federated Learning over Mobile Devices*. ACM International Conference on Mobile Systems, Applications, and Services (ACM MobiSys) 2023.Peer Review - Refereed

Conference Proceeding (Accepted)

Yellampalli, S. S., Chalupa, M., Wang, J., Song, H. J., Zhang, X., Yue, H., Pan, M. (in press). *Client Selection in Federated Learning: A Dynamic Matching-Based Incentive Mechanism*. International Conference on Computing, Networking and Communications (ICNC) 2024.Peer Review - Refereed

Conference Proceeding (Accepted)

Deng, B., Zhang, X., Lo, D. C.-T. (in press). *Serverless-DFS: Serverless Federated Learning with Dynamic Forest Strategy*. The 12th International Conference on Networks, Communication and Computing.Peer Review - Refereed

Conference Proceeding (Accepted)

Ju, K., Qin, X., Zhong, H., Zhang, X., Pan, M., Liu, B. (in press). *Harnessing Inherent Noises for Privacy Preservation in Quantum Machine Learning*. IEEE International Conference on Communications (ICC) 2024.Peer Review - Refereed

Conference Proceeding (Accepted)

Li, M., Fan, L., Cummings, A., Zhang, X., Pan, M., Han, Z. (in press). *Hybrid Quantum Classical Machine Learning with Knowledge Distillation*. IEEE International Conference on Communications (ICC) 2024.Peer Review - Refereed

Other Intellectual Contributions

Published Abstract (Published)

Mohammed, M., Zhang, X., Valero de Clemente, M. A., Xie, Y. (2023). *AsyncFedKD: Asynchronous Federated Learning with Knowledge Distillation*. 2023 IEEE/ACM Conference on Connected Health: Applications, Systems and Engineering Technologies (CHASE).Peer Review - Refereed

Zhao, Chen

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Zhao, C., Liu, A., Zhang, X., Cao, X., Ding, Z., Sha, Q., Shen, H., Deng, H.-W., Zhou, W. (2024). CLCLSA: Cross-omics Linked embedding with Contrastive Learning and Self Attention for integration with incomplete multi-omics data. *Computers in Biology and Medicine*, ., Impact Factor: 7.7Peer Review - Refereed

Department of Information Technology

Choi, Taeyeong (Assistant Professor)

Conference Proceedings

Conference Proceeding (Accepted)

Goyal, S., Sasikumar, K., Sheth, R., Seelam, A., Choi, T., Liu, X. (in press). *EnColor: Improving Visual Accessibility with a Deep Encoder-Decoder Image Corrector for Color Vision Deficient Individuals*. The 38th Annual AAAI Conference on Artificial Intelligence (AAAI-24).Peer Review - Refereed

Conference Proceeding (Accepted)

Bandodkar, G., Agarwal, S., Sughosh, A. K., Singh, S., Choi, T. (in press). *"Allot?" is "A Lot!" Towards Developing More Generalized Speech Recognition System for Accessible Communication*. The 38th Annual AAAI Conference on Artificial Intelligence (AAAI-24).Peer Review - Refereed

Li, Lei (Professor)

Book Chapters

Book, Chapter in Scholarly Book-New (Published)

Zheng, J., Li, Z., Li, L. (2023). Go beyond the Technology - Emphasizing Soft Skills in IT/IS Capstone Classes. In Mark I. Hwang (Ed.), *the Handbook of Teaching and Learning in IS* (pp. 44-67). MARIETTA: Teaching Information Systems. 1100 S MARIETTA PKWY SEPeer Review - Refereed

Conference Proceedings

Conference Proceeding (Accepted)

Sakib, N., Islam, F., Li, L. (2023). *ChatGPT in IT Education Ecosystem: Unraveling Long-Term Impacts on Job Market, Student Learning, and Ethical Practices*. ACM SIGITE 2023.Peer Review - Refereed

Li, Zhigang (Associate Professor)

Book Chapters

Book, Chapter in Scholarly Book-New (Published)

Zheng, J., Li, Z., Li, L. (2023). Go beyond the Technology - Emphasizing Soft Skills in IT/IS Capstone Classes. In Mark I. Hwang (Ed.), *the Handbook of Teaching and Learning in IS* (pp. 44-67). MARIETTA: Teaching Information Systems. 1100 S MARIETTA PKWY
SEPeer Review - Refereed

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Li, J., Li, Z., Zhang, C. (2023). Virtual Reality in Special Education: An Application Review. *JISAR - Journal of Information Systems Applied Research*, 16(3), 68-80, .,
<http://jisar.org/2023-16/n3/JISARv16n3p68.html>Peer Review - Refereed

Journal Article, Academic Journal (Accepted)

Yang, M., Li, J., Li, Z., Li, W., Yu, M. (2023). Self-Adaptive SURF for Image-Video Matching. *To appear in Springer Journal of Signal, Image and Video Processing*, ., Impact Factor: 2.156Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)

Streeter, M., Li, Z., Li, J., Zhang, C., Tian, S., He, S. (2023). *Brain-Computer Interface and VR/AR for the Diagnosis and Intervention of ADHD and ASD: A Preliminary Review*. ISCAP 2023 Conference.Peer Review - Refereed

Conference Proceeding (Published)

Li, J., Li, Z., Zhang, C. (2023). *A Literature Review of Type 2 Diabetes Support Using Extended Reality*. ISCAP 2023 Conference.Peer Review - Refereed

Conference Proceeding (Published)

He, S., Li, Z., Tian, S. (2023). *An IoT-based System of Converting Handwritten Text to Editable Format via Gesture Recognition*. ACM SIGITE 2023.Peer Review - Refereed

Conference Proceeding (Published)

Patel, A., Li, Z., Tian, S. (2023). *Teacher Preparation and Curriculum Design in Cybersecurity*. IACIS Annual 2023 - Clearwater.Peer Review - Refereed

Conference Proceeding (Published)

Gumbo, Y., Zhao, L., Tian, S., Li, Z., Long, Y. (2023). *A Literature Review on Privacy and Security in Virtual Reality and Augmented Reality*. SAIS 2023.
<https://aisel.aisnet.org/cgi/viewcontent.cgi?article=1005&context=sais2023>Peer Review - Refereed

Peltsverger, Svetlana B. (Professor)

Conference Proceedings

Conference Proceeding (Published)

Bradley, S., Parker, M. C., Altin, R., Barker, L., Hooshangi, S., Kamal, S., Kunkeler, T., Lennon, R. G., McNeill, F., Minguill\on, Juli\`a, Parkinson, J., Peltsverger, S. B., Sibia, N. (2023). *A Methodology for Investigating Women's Module Choices in Computer Science*.

Proceedings of the 2023 Conference on Innovation and Technology in Computer Science Education V. 2 (pp. 569–570). New York, NY, USA: Association for Computing Machinery. <https://doi.org/10.1145/3587103.3594209>

Conference Proceeding (Published)

Bradley, S., Parker, M. C., Altin, R., Barker, L., Hooshangi, S., Kunkeler, T., Lennon, R. G., McNeill, F., Minguillón, Julià, Parkinson, J., Peltsverger, S. B., Sibia, N. (2023). Modeling Women's Elective Choices in Computing. *Proceedings of the 2023 Working Group Reports on Innovation and Technology in Computer Science Education* (pp. 196–226). New York, NY, USA: Association for Computing Machinery. <https://doi.org/10.1145/3623762.3633497>

Pouriyeh, Seyedamin (Assistant Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Chen, Y., Zhang, Y., Zhuang, Y., Pouriyeh, S., Han, M. (2024). Efficient and Secure Blockchain Consensus Algorithm for Heterogeneous Industrial Internet of Things Nodes Based on Double-DAG. *IEEE Transactions on Industrial Informatics*, .Peer Review - Refereed

Journal Article, Academic Journal (Published)

Chen, J., Potlapalli, R., Quan, H., Chen, L., Xie, Y., Pouriyeh, S., Sakib, N., Liu, L., Xie, Y. (2024). Exploring DNA Damage and Repair Mechanisms: A Review with Computational Insights. *BioTech*, 13(1), ., <https://www.mdpi.com/2673-6284/13/1/3>Peer Review - Refereed

Journal Article, Academic Journal (Published)

Jagarlamudi, G. K., Yazdinejad, A., Meimandi Parizi, R., Pouriyeh, S. (2023). Exploring privacy measurement in federated learning. *The Journal of Supercomputing*, 1--41, .Peer Review - Refereed

Journal Article, Academic Journal (Published)

Liu, B., Chen, W., Wang, Z., Pouriyeh, S., Han, M. (2023). RAdam-DA-NLSTM: A Nested LSTM- based Time Series Prediction Method for Human-Computer Intelligent Systems. *MDPI Electronics*, .Peer Review - Refereed

Journal Article, Academic Journal (Published)

Mosaiyebzadeh, F., Pouriyeh, S., Meimandi Parizi, R., Z. Sheng, Q., Zhao, L., Batista, D. (2023). Privacy-Enhancing Technologies in Federated Learning for the Internet of Healthcare Things: A Survey. *MDPI electronics - Special Issue "IoT for Healthcare and Wellbeing: Trends, Challenges, and Applications"*, .Peer Review - Refereed

Journal Article, Academic Journal (Accepted)

Nalla, V., Pouriyeh, S., Meimandi Parizi, R., Sheng, Q., Seyyed-Kalantari, L., Hwang, I., Woo, M. (in press). Deep Learning For Computer-aided Abnormalities Classification in Digital Mammogram: A Data-centric Perspective. *To appear in Journal of Digital Imaging*, .Peer Review - Refereed

Journal Article, Academic Journal (Accepted)

Zhao, L., Valero, M. A., Pouriyeh, S., Li, F., Guo, L., Han, Z. (in press). A Decentralized Communication-Efficient Federated Analytics Framework for Connected Vehicles. *To appear in IEEE Transactions on Vehicular Technology*, ., Impact Factor: 6.239Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)

Xie, Y., Sakib, N., Pouriyeh, S. (Published). *Protein-Protein Interactions (PPIs) analysis on COVID-19 coronavirus worldwide variants*. Editorial Review

Conference Proceeding (Published)

Mosaiyebzadeh, F., Pouriyeh, S., Meimandi Parizi, R., Dehbozorgi, N., Batista, D. (2023). *Exploring the Role of ChatGPT in Education: Applications and Challenges*. The 24th ACM Annual Conference on Information Technology Education (SIGITE 2023). Peer Review - Refereed

Conference Proceeding (Published)

Donkada, S., Pouriyeh, S., Meimandi Parizi, R., Xie, Y., Shahriar, H. M. (2023). *Early Heart Disease Detection Using Mel-Spectrograms and Deep Learning*. 3rd IEEE International Conference on ICT Solutions for eHealth. Peer Review - Refereed

Conference Proceeding (Published)

Mosaiyebzadeh, F., Pouriyeh, S., Meimandi Parizi, R., Dehbozorgi, N., Batista, D. (2023). *Empowering Healthcare Professionals and Patients with Chat GPT: Applications and Challenges*. IEEE International Conference on Computational Science and Computational Intelligence (IEEE CSCI 2023). Peer Review - Refereed

Conference Proceeding (Published)

Nalla, V., Pouriyeh, S., Meimandi Parizi, R., Brown-Mulry, B., Zhang, L., Woo, M. (2023). *Influence of Convolutional Neural Network Depth on the Efficacy of Automated Breast Cancer Screening Systems*. 3rd IEEE International Conference on ICT Solutions for eHealth. Peer Review - Refereed

Conference Proceeding (Published)

Mosaiyebzadeh, F., Pouriyeh, S., Meimandi Parizi, R., Han, M., Batista, D. (2023). *Intrusion Detection System for IoHT Devices using Federated Learning*. IEEE International Conference on Computer Communications (The 2023 International Workshop on AI-Driven Trustworthy, Secure, and Privacy-Preserving Computing).

Sakib, Nazmus (Assistant Professor)

Book Chapters

Book, Chapter in Scholarly Book-New (Published)

Sakib, N. (2023). *Unpacking Privacy Calculus and Interplay of Data Privacy and Healthcare: Paths Towards Safeguarding Patient Empowerment*. In Current and Future Trends in Health and Medical Informatics (pp. 137-171). Cham: Springer Nature. Editorial Review

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Chen, J., Potlapalli, R., Quan, H., Chen, L., Xie, Y., Pouriyeh, S., Sakib, N., Liu, L., Xie, Y. (2024). *Exploring DNA Damage and Repair Mechanisms: A Review with Computational Insights*. *BioTech*, 13(1), ., <https://www.mdpi.com/2673-6284/13/1/3> Peer Review - Refereed

Journal Article, Academic Journal (Published)

Sakib, N. (2023). Investigating customer churn in banking: A machine learning approach and visualization app for data science and management. *Elsevier Data Science and Management*, .Peer Review - Refereed

Journal Article, Academic Journal (Published)

Sakib, N. (2023). Unraveling a blockchain-based framework towards patient empowerment: A scoping review envisioning future smart health technologies. *Elsevier Smart Health*, .Peer Review - Refereed

Journal Article, Academic Journal (Accepted)

Sakib, N. (in press). TeamWellX: Leveraging Genetic Algorithms to Optimize Team Health and Well-being toward Sustainable Game Development and Strategy. *To appear in Elsevier SoftwareX*, .Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)

Sakib, N. (2023). *Blockchain Technology in Higher Education Ecosystem: Unraveling the Good, Bad, and Ugly*. IEEE COMPSAC 2023.Peer Review - Refereed

Conference Proceeding (Published)

Sakib, N. (2023). *Confronting Toddlers' Brain Development Challenges Due to Screen-Addiction: Unpacking Perspectives from Stakeholders*. SIGITE 2023.Peer Review - Refereed

Conference Proceeding (Published)

Xie, Y., Sakib, N., Pouriye, S. (Published). *Protein-Protein Interactions (PPIs) analysis on COVID-19 coronavirus worldwide variants*.Editorial Review

Conference Proceeding (Published)

Sakib, N. (2023). *Uncovering Software Supply Chains Vulnerability: A Review of Attack Vectors, Stakeholders, and Regulatory Frameworks..* 2023 IEEE 47th Annual Computers, Software, and Applications Conference (COMPSAC).Peer Review - Refereed

Conference Proceeding (Published)

Shi, Y., Sakib, N., Shahriar, H. M., Lo, D. C.-T., Chi, H., Qian, K. (2023). *AI-Assisted Security: A Step towards Reimagining Software Development for a Safer Future*. 2023 IEEE 47th Annual Computers, Software, and Applications Conference (COMPSAC).Peer Review - Refereed

Conference Proceeding (Published)

Tahora, S., Saha, B., Sakib, N., Shahriar, H., Haddad, H. (2023). *Blockchain Technology in Higher Education Ecosystem: Unraveling the Good, Bad, and Ugly* (pp. 1047-1056). 2023 IEEE 47th Annual Computers, Software, and Applications Conference (COMPSAC), Torino, Italy, 2023. <https://ieeexplore.ieee.org/document/10196859>Peer Review - Refereed

Conference Proceeding (Accepted)

Sakib, N. (in press). *Advancing Prosthetic Arm Control: An EMG-Based Grasp Force Estimation Towards Anthropomorphic Movement*. ICCIT 2023 26th International Conference on Computer and Information Technology..Peer Review - Refereed

Conference Proceeding (Accepted)

Sakib, N. (in press). *Design and Development of an In-sole Foot Pressure Sensor System for Gait Analysis*. STI 2023 5th International Conference on Sustainable Technologies for Industry 5.0..Peer Review - Refereed

Conference Proceeding (Accepted)

Sakib, N., Islam, F., Li, L. (2023). *ChatGPT in IT Education Ecosystem: Unraveling Long-Term Impacts on Job Market, Student Learning, and Ethical Practices*. ACM SIGITE 2023.Peer Review - Refereed

Other Intellectual Contributions

Published Abstract (Published)

Ramos, M., Sakib, N. (2023). *Developing Care Partner Activation Program among Filipino American Care Partners of Persons with Dementia* (vol. 19, pp. e078549). *Alzheimer's & Dementia*.Peer Review - Refereed

Tian, Shirley (Associate Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Tian, S., He, W., He, Y. (2023). Using Health Belief Model and Social Media analytics to Obtain Insights From Hospital-Generated Twitter Messaging and Public Responses During the COVID-19 Pandemic. *Journal of Enterprise Information Management (JEIM)*, ., Impact Factor: 5.639Peer Review - Refereed

Journal Article, Academic Journal (Published)

Zhang, J., He, W., Tian, S., He, Y. (2023). Understanding Governance and Control Challenges of Blockchain Technology in Healthcare and Energy Sectors: A Historical Perspective. *Journal of Management History*, .Peer Review - Refereed

Journal Article, Academic Journal (Published)

Chen, W., He, W., Shen, J., Tian, S., Wang, X. (2023). Systematic analysis of artificial intelligence in the era of industry 4.0. *Journal of Management Analytics*, 10(1), 89-108, ., Impact Factor: 6.554Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)

Streeter, M., Li, Z., Li, J., Zhang, C., Tian, S., He, S. (2023). *Brain-Computer Interface and VR/AR for the Diagnosis and Intervention of ADHD and ASD: A Preliminary Review*. ISCAP 2023 Conference.Peer Review - Refereed

Conference Proceeding (Published)

He, S., Li, Z., Tian, S. (2023). *An IoT-based System of Converting Handwritten Text to Editable Format via Gesture Recognition*. ACM SIGITE 2023.Peer Review - Refereed

Conference Proceeding (Published)

Patel, A., Li, Z., Tian, S. (2023). *Teacher Preparation and Curriculum Design in Cybersecurity*. IACIS Annual 2023 - Clearwater.Peer Review - Refereed

Conference Proceeding (Published)

Gumbo, Y., Zhao, L., Tian, S., Li, Z., Long, Y. (2023). *A Literature Review on Privacy and Security in Virtual Reality and Augmented Reality*. SAIS 2023.

Valero de Clemente, Maria A. (Assistant Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Li, L., Valero, M., Keyser, R., Ukuku, A., Zheng, D. (2023). Mobile Applications for Encouraging Blood Donation: A Systematic Review and Case Study. *Digital Health*, 9, 1-15, ., Impact Factor: 4.687Peer Review - Refereed

Journal Article, Academic Journal (Accepted)

Zhao, L., Valero, M. A., Pouriyyeh, S., Li, F., Guo, L., Han, Z. (in press). A Decentralized Communication-Efficient Federated Analytics Framework for Connected Vehicles. *To appear in IEEE Transactions on Vehicular Technology*, ., Impact Factor: 6.239Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)

Crystal, A., Valero de Clemente, M. A., Nino de Valladares, L. (2024). *Smartphone Based Food Classification: Applications, Challenges, and Future Prospects for Diabetics*. IEEE 20th International Conference on Smart Communities: Improving Quality of Life Using AI, Robotics and IoT. <https://ieeexplore.ieee.org/abstract/document/10374965>Peer Review - Refereed

Conference Proceeding (Published)

Mugula, L., Metuge, V., Valero de Clemente, M. A., Nino de Valladares, L. (2023). *The Persisting Issue of Emergency Department (ED) Overcrowding: Enhancing the Application of Emergency Severity Index (ESI) through Data Analytics*. The 23rd Annual Conference on Information Technology Education (SIGITE '23).Peer Review - Refereed

Conference Proceeding (Published)

He, L., Rabbani, M., Valero de Clemente, M. A., Ahamed, S. I. (2023). *Competitive State Anxiety Inventory Assessment Using Remote Photoplethysmography and Deep Learning*. 2023 IEEE International Conference on Software Services Engineering (SSE), 2023..Peer Review - Refereed

Conference Proceeding (Published)

Valero de Clemente, M. A., Spoletini, P. (2023). *RE Practices when Developing IoT for Healthcare: the Case of GlucoCheck*. 2nd Workshop on Requirement Engineering for Software startups and Emerging Technologies (RESET).Peer Review - Refereed

Conference Proceeding (Published)

Mugula, L., Tufon, R., Shi, Y., Valero, M. A., Randolph, A., Valladares, L. (2023). *Investigating the Impact of Emotions on the Quality of Novice Programmers' Code*. Information Systems and Neuroscience - NeuroIS Retreat 2023.Peer Review - Refereed

Conference Proceeding (Published)

Kazi, T., Ponakaladinne, K., Valero de Clemente, M. A., Zhao, L., Shahriar, H. M., Ingram, K. H. (2023). Comparative Study of Machine Learning Methods on Spectroscopy Images for Blood Glucose Estimation. In Editors: Athanasios Tsanas, Andreas Triantafyllidis (Ed.), *Peer-reviewed chapter in: Pervasive Computing Technologies for Healthcare. Lecture*

Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering (vol. 488, pp. 60-74). Cham, Switzerland: Pervasive Computing Technologies for Healthcare, Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering. Peer Review - Refereed

Conference Proceeding (Accepted)

Clemente, S., Sim, A., Spoletini, P., Randolph, A., Valero de Clemente, M. A. (2023). *EmoGame: Unraveling Emotional Correlations in Teen Video Gamers for Health Monitoring Insights - Biomedical Analysis of the Emotional Impact of Fortnite and Minecraft*. 1st Latin-American Workshop on Structural Health Monitoring (LATAM-SHM 2023). Peer Review - Refereed

Conference Proceeding (Accepted)

Valero, M. A., Ingram, K. H., Duong, A., Nino de Valladares, L. (in press). *Pervasive Glucose Monitoring: A Non-Invasive Approach based on Near-Infrared Spectroscopy*. EAI PervasiveHealth 2023 - 17th EAI International Conference on Pervasive Computing Technologies for Healthcare. Peer Review - Refereed

Conference Proceeding (Accepted)

Duong, A., Valero de Clemente, M. A. (in press). *Usability of Voice Assistants in Healthcare: A Systematic Literature Review*. EAI PervasiveHealth 2023 - 17th EAI International Conference on Pervasive Computing Technologies for Healthcare. Peer Review - Refereed

Other Intellectual Contributions

Published Abstract (Published)

Mohammed, M., Zhang, X., Valero de Clemente, M. A., Xie, Y. (2023). *AsyncFedKD: Asynchronous Federated Learning with Knowledge Distillation*. 2023 IEEE/ACM Conference on Connected Health: Applications, Systems and Engineering Technologies (CHASE). Peer Review - Refereed

Written Case with Instructional Material (Published)

Valero, M. A. (2023). *Open Resources for Teaching IoT Physical Security*. All Things Open. <https://digitalcommons.kennesaw.edu/ato/2023allthingsopen/presentations/15/>

Published Abstract (Accepted)

Valero de Clemente, M. A., Duong, A. (2023). *Voice Assistants in Healthcare: The case of GlucoCheck*. IEEE-EMBS International Conference on Biomedical and Health Informatics (BHI'23). Peer Review - Refereed

Wu, Shaoen (Professor)

Conference Proceedings

Conference Proceeding (Published)

Wu, Y., Zhang, J., Wu, S., Wang, Y., Mao, S. (2023). *CMRM: A cross-modal reasoning model to enable zero-shot imitation learning for robotic RFID inventory in unstructured environments*. 2023 IEEE Global Communications Conference. Peer Review - Refereed

Conference Proceeding (Published)

Xie, Y., Wu, S., Chakravarty, S. (2023). *AI Meets AI: Artificial Intelligence and Academic Integrity - A Survey on Mitigating AI-Assisted Cheating in Computing Education*. Proceedings of the 24th Annual Conference on Information Technology Education (ACM SIGITE'23). Peer Review - Refereed

Xie, Chloe Yixin (Assistant Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Chen, J., Potlapalli, R., Quan, H., Chen, L., Xie, Y., Pouriyeh, S., Sakib, N., Liu, L., Xie, Y. (2024). Exploring DNA Damage and Repair Mechanisms: A Review with Computational Insights. *BioTech*, 13(1), ., <https://www.mdpi.com/2673-6284/13/1/3>Peer Review - Refereed

Journal Article, Academic Journal (Published)

Xie, Y. (2023). JAK3 Y841 Autophosphorylation Is Critical for STAT5B Activation, Kinase Domain Stability and Dimer Formation. *IJMS*, .Editorial Review

Non-Refereed Journal Articles

Journal Article, Professional Journal (Published)

Xie, Y. (2023). HIT-2: Implementing machine learning algorithms to treat bound ions in biomolecules. *Computational and Structural Biotechnology Journal*, .

Journal Article, Academic Journal (Published)

Xie, Y. (2023). Phosphorylation of Tyrosine 841 Plays a Significant Role in JAK3 ActivationLife., Impact Factor: 3.253

Conference Proceedings

Conference Proceeding (Published)

Xie, Y. (Published). *Molecular Dynamics Simulations on Coronavirus Variants of Concern (VOC)*. ACM SIGITE 2023.Invited

Conference Proceeding (Published)

Xie, Y., Sakib, N., Pouriyeh, S. (Published). *Protein-Protein Interactions (PPIs) analysis on COVID-19 coronavirus worldwide variants*.Editorial Review

Conference Proceeding (Published)

Donkada, S., Pouriyeh, S., Meimandi Parizi, R., Xie, Y., Shahriar, H. M. (2023). *Early Heart Disease Detection Using Mel-Spectrograms and Deep Learning*. 3rd IEEE International Conference on ICT Solutions for eHealth.Peer Review - Refereed

Xie, Ying (Professor)

Book Chapters

Book, Chapter in Scholarly Book-New (Published)

Chakravarty, S., Xie, Y. (2024). *Advancements of Smart Hospital Integration with Health Services for Early Recognition of Shoulder Damage in Paraplegics* (1st Edition ed., pp. 18 Pages). 5G-Based Smart Hospitals and Healthcare Systems. <https://www.taylorfrancis.com/chapters/edit/10.1201/9781003403678-2/advancements-smart-hospital-integration-health-services-early-recognition-shoulder-damage-paraplegics-sumit-chakravarty-ying-xie?context=ubx&refId=b36f408f-e0b2-418f-b264-bb1005265bf7P>Peer Review - Refereed

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Chen, J., Potlapalli, R., Quan, H., Chen, L., Xie, Y., Pouriyeh, S., Sakib, N., Liu, L., Xie, Y. (2024). Exploring DNA Damage and Repair Mechanisms: A Review with Computational Insights. *BioTech*, 13(1), ., <https://www.mdpi.com/2673-6284/13/1/3>Peer Review - Refereed

Journal Article, Academic Journal (Published)

Geisler, T., Ray, H. E., Xie, Y. (2023). Finding the Proverbial Needle: Improving Minority Class Identification Under Extreme Class Imbalance. *Journal of Classification*, Springer, ., Impact Factor: 1.625Peer Review - Refereed

Journal Article, Academic Journal (Accepted)

Gupta, S., Xie, Y., Zafar, H. (in press). Fintech and Digital Payments: Developing a Domain Knowledge Framework. *To appear in Journal of Information Systems Education*, .Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)

Hebbar, S., Xie, Y., Zhong, J. (2023). *TreeBERT: Adanced Representation Learning for Relation Extraction*. Proceedings of 2023 IEEE International Conference on Big Data (IEEE BigData'23).Peer Review - Refereed

Conference Proceeding (Published)

Xie, Y., Wu, S., Chakravarty, S. (2023). *AI Meets AI: Artificial Intelligence and Academic Integrity - A Survey on Mitigating AI-Assisted Cheating in Computing Education*. Proceedings of the 24th Annual Conference on Information Technology Education (ACM SIGITE'23).Peer Review - Refereed

Conference Proceeding (Published)

Don, D., Xie, Y., Yu, L., Hughes, S., Zhu, Y. (2023). *Cluster Language Model for Improved E-Commerce Retrieval and Ranking: Leverage Query Similarity and Fine-Tuning for Personalized Results*. 2023 ACM SIGKDD - ECNLP Workshop.Peer Review - Refereed

Other Intellectual Contributions

Published Abstract (Published)

Mohammed, M., Zhang, X., Valero de Clemente, M. A., Xie, Y. (2023). *AsyncFedKD: Asynchronous Federated Learning with Knowledge Distillation*. 2023 IEEE/ACM Conference on Connected Health: Applications, Systems and Engineering Technologies (CHASE).Peer Review - Refereed

Xu, Honghui

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Xie, B., Xu, H., Joe, Y.-J., Seo, D., Cai, Z. (2023). Lightweight Super-Resolution Model for Complete Model Copyright Protection. *Tsinghua Science and Technology*, ., Impact Factor: 3.515Peer Review - Refereed

Yang, Ming (Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Accepted)

Yang, M., Li, J., Li, Z., Li, W., Yu, M. (2023). Self-Adaptive SURF for Image-Video Matching. To appear in *Springer Journal of Signal, Image and Video Processing*, ., Impact Factor: 2.156Peer Review - Refereed

Zhang, Chi (Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Zhang, C. (2023). Virtual Reality in Special Education: An Application Review. *Journal of Information Systems Applied Research*, 16(3), 68-80, ., <http://proc.iscap.info/2022/pdf/5826.pdf>Peer Review - Refereed

Journal Article, Academic Journal (Published)

Li, J., Li, Z., Zhang, C. (2023). Virtual Reality in Special Education: An Application Review. *JISAR - Journal of Information Systems Applied Research*, 16(3), 68-80, ., <http://jisar.org/2023-16/n3/JISARv16n3p68.html>Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)

Streeter, M., Li, Z., Li, J., Zhang, C., Tian, S., He, S. (2023). *Brain-Computer Interface and VR/AR for the Diagnosis and Intervention of ADHD and ASD: A Preliminary Review*. ISCAP 2023 Conference.Peer Review - Refereed

Conference Proceeding (Published)

Li, J., Li, Z., Zhang, C. (2023). *A Literature Review of Type 2 Diabetes Support Using Extended Reality*. ISCAP 2023 Conference.Peer Review - Refereed

Zhang, Jian (Assistant Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Wang, X., Yu, Z., Mao, S., Zhang, J., Periaswamy, S. C., Patton, J. (2023). MapLoc: LSTM-based Location Estimation using Uncertainty Radio Maps. *IEEE Internet of Things Journal*, ., Impact Factor: 10.238Peer Review - Refereed

Journal Article, Academic Journal (Published)

Wang, X., Zhang, J., Mao, S., Periaswamy, S. C., Patton, J. (2023). A framework for locating multiple RFID tags using RF hologram tensors. *Digital Communications and Networks/Elsevier*, ., Impact Factor: 7.9Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)

Wu, Y., Zhang, J., Wu, S., Wang, Y., Mao, S. (2023). *CMRM: A cross-modal reasoning model to enable zero-shot imitation learning for robotic RFID inventory in unstructured environments*. 2023 IEEE Global Communications Conference. Peer Review - Refereed

Conference Proceeding (Accepted)

Dutta, P., Podder, K. K., Zhang, J., Hecht, C., Swarna, S., Bhavsar, P. (in press). *A Self-Supervised Learning Approach to Road Anomaly Detection Using Masked Autoencoders*. ASCE ICTD APM-ATS 2024. Peer Review - Refereed

Zhao, Liang (Assistant Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Mosaiyebzadeh, F., Pouriye, S., Meimandi Parizi, R., Z. Sheng, Q., Zhao, L., Batista, D. (2023). *Privacy-Enhancing Technologies in Federated Learning for the Internet of Healthcare Things: A Survey*. *MDPI electronics - Special Issue "IoT for Healthcare and Wellbeing: Trends, Challenges, and Applications"*, . Peer Review - Refereed

Journal Article, Academic Journal (Accepted)

Zhao, L., Valero, M. A., Pouriye, S., Li, F., Guo, L., Han, Z. (in press). *A Decentralized Communication-Efficient Federated Analytics Framework for Connected Vehicles*. *To appear in IEEE Transactions on Vehicular Technology*, ., Impact Factor: 6.239 Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)

Zhang, X., Pendarla, L. P., Zhao, L., Khan, M. A. A. H. (2023). *Evaluation of Query-Based Membership Inference Attack on the Medical Data*. ACM Southeast (ACMSE) conference. <https://dl.acm.org/doi/10.1145/3564746.3587027> Peer Review - Refereed

Conference Proceeding (Published)

Gumbo, Y., Zhao, L., Tian, S., Li, Z., Long, Y. (2023). *A Literature Review on Privacy and Security in Virtual Reality and Augmented Reality*. SAIS 2023. <https://aisel.aisnet.org/cgi/viewcontent.cgi?article=1005&context=sais2023> Peer Review - Refereed

Conference Proceeding (Published)

Kazi, T., Ponakaladinne, K., Valero de Clemente, M. A., Zhao, L., Shahriar, H. M., Ingram, K. H. (2023). *Comparative Study of Machine Learning Methods on Spectroscopy Images for Blood Glucose Estimation*. In Editors: Athanasios Tsanas, Andreas Triantafyllidis (Ed.), *Peer-reviewed chapter in: Pervasive Computing Technologies for Healthcare. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering* (vol. 488, pp. 60-74). Cham, Switzerland: Pervasive Computing Technologies for Healthcare, Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering. Peer Review - Refereed

Conference Proceeding (Accepted)

Siddika, A., Zhao, L. (in press). *Enhancing Trust and Reliability in AI and ML: Assessing Blockchain's Potential to Ensure Data Integrity and Security*. IEEE DASC 2023. Peer Review - Refereed

Conference Proceeding (Accepted)

Zhao, L., Gabby, K. (in press). *Ocular Pressure Sensing for Smart Health: Recent Developments, Challenges, and Future Directions*. International Conference on Health Science and Technology (ICHST-2023).Peer Review - Refereed

Zheng, Jack (Associate Professor)

Book Chapters

Book, Chapter in Scholarly Book-New (Published)

Zheng, J., Li, Z., Li, L. (2023). Go beyond the Technology - Emphasizing Soft Skills in IT/IS Capstone Classes. In Mark I. Hwang (Ed.), *the Handbook of Teaching and Learning in IS* (pp. 44-67). MARIETTA: Teaching Information Systems. 1100 S MARIETTA PKWY SEPeer Review - Refereed

Conference Proceedings

Conference Proceeding (Accepted)

Sharma, D. S., C. T., J. P., Zhao, J., Zheng, G. (in press). *Traffic Pattern Analysis and Anomaly Detection Using Large-scale Trajectory Data*. 2024 ASCE International Conference on Transportation and Development.Peer Review - Refereed

Department of Software Engineering and Game Development

Dehbozorgi, Nasrin (Assistant Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Dehbozorgi, N., Kunuku, M. (2023). Exploring the Influence of Emotional States in Peer Interactions on Students' Academic Performance. *IEEE Transactions on Education*, .. Impact Factor: 2.74Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)

Gopi, S., Dehbozorgi, N., Khan, M. A. A. H. (2024). *Exploring the Impact of CM-II Meditation on Stress Levels in College Students through HRV Analysis*. ASEE South East Selection.Peer Review - Refereed

Conference Proceeding (Published)

Dehbozorgi, N., Kunuku, M. (2023). *Affective Computing: A Topic-Based SER Approach on Collaborative Discussions in Academic Setting*. IEEE/FIE.Peer Review - Refereed

Conference Proceeding (Published)

Dehbozorgi, N., Dindu, K. (2023). *Analysis of Learning Outcomes in Software Engineering: an Automated Reflection Analysis Tool*.Peer Review - Refereed

Conference Proceeding (Published)

Gopi, S., Dehbozorgi, N. (2023). *EEG Spectral Analysis for Inattention Detection in Academic Domain*.Peer Review - Refereed

Conference Proceeding (Published)

Dehbozorgi, N., Parizi, R. (2023). *Enhancing Competency-Based Learning and Employability through a Course Recommender AI-Assisted System*. ACM SIGITE (Proceedings of the 24th Annual Conference on Information Technology Education).Peer Review - Refereed

Conference Proceeding (Published)

Dehbozorgi, N., Meimandi Parizi, R. (2023). *Enhancing Competency-Based Learning and Employability through a Course Recommender AI-Assisted System*. *Proceedings of the 24th Annual Conference on Information Technology Education* (pp. 207–208). New York, NY, USA: Association for Computing Machinery.
<https://doi.org/10.1145/3585059.3611435>

Conference Proceeding (Published)

Kunuku, M., Dehbozorgi, N. (2023). *Exploring Application of LLMs and AI-based Models in Addressing EDI Concerns*. AIED - EDI workshop 2023.Peer Review - Refereed

Conference Proceeding (Published)

Mosaiyebzadeh, F., Pouriye, S., Parizi, R., Dehbozorgi, N., Dorodchi, M., Daniel Macêdo, B. (2023). *Exploring the Role of ChatGPT in Education: Applications and Challenges*.Peer Review - Refereed

Conference Proceeding (Published)

Mosaiyebzadeh, F., Pouriye, S., Meimandi Parizi, R., Dehbozorgi, N., Batista, D. (2023). *Exploring the Role of ChatGPT in Education: Applications and Challenges*. The 24th

ACM Annual Conference on Information Technology Education (SIGITE 2023).Peer Review - Refereed

Conference Proceeding (Published)

Mosaiyebzadeh, F., Pouriye, S., Meimandi Parizi, R., Dehbozorgi, N., Batista, D. (2023). *Empowering Healthcare Professionals and Patients with Chat GPT: Applications and Challenges*. IEEE International Conference on Computational Science and Computational Intelligence (IEEE CSCI 2023).Peer Review - Refereed

Conference Proceeding (Accepted)

Kunuku, M., Dehbozorgi, N. (in press). *A TensorFlow-Powered Visual Speech Recognition Model for Improving Educational Accessibility*. ASEE SE (American Society for Engineering Education).Peer Review - Refereed

Conference Proceeding (Accepted)

Dehbozorgi, N., Kunuku, M. (in press). *An LLM-based Reflection Analysis Tool for Identifying and Addressing Challenging Topics*. ACM, SIGCSE TS.Peer Review - Refereed

Conference Proceeding (Accepted)

Lee, S., Dehbozorgi, N. (in press). *Application of AI in Developing Automated Discourse Analysis System (ADAS) for K-12 Science Classrooms*. ASTE Annual Conference.Peer Review - Refereed

Conference Proceeding (Accepted)

Gopi, S., Dehbozorgi, N. (in press). *Exploring the Impact of CM-II Meditation on Stress Levels in College Students through HRV Analysis*. ASEE SE (American Society for Engineering Education).Peer Review - Refereed

Huang, Yan (Assistant Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Yuan, G., Li, J., Huang, Y., Xie, Z., Pang, J., Cai, Z. (2023). Independence and Unity: Unseen Domain Segmentation Based on Federated Learning. *IEEE Internet of Things Journal*, ., Impact Factor: 10.6Peer Review - Refereed

Journal Article, Academic Journal (Published)

Alexander, C., Ma, L., Dou, Z.-L., Cai, Z., Huang, Y. (2023). Integrity, Confidentiality, and Equity: Using Inquiry-Based Labs to help students understand AI and Cybersecurity.Peer Review - Refereed

Journal Article, Academic Journal (Published)

Liu, Y., Huang, Y., Cai, Z. (2023). AED: An Black-box NLP Classifier Model Attacker. *Neurocomputing*, ., Impact Factor: 6Peer Review - Refereed

Journal Article, Academic Journal (Published)

Luo, Y., Huang, Y. (2023). Edge Convolutional Networks: Decomposing Graph Convolutional Networks for Stochastic Training With Independent Edges., Impact Factor: 6Peer Review - Refereed

Journal Article, Academic Journal (Published)

Huang, Y., Li, J., Cai, Z. (2023). Security and Privacy in Metaverse: A Comprehensive Survey. *Big Data Mining and Analytics*, 6(2), 234-247, ., Impact Factor: 5.6, <https://ieeexplore.ieee.org/document/10026513>Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)

Sun, T., Huang, Y., Xie, Z., Pang, J., Chen, X., Cai, Z. (2023). *A Deep Reinforcement Learning Perspective on Adaptive Federated Dropout*. 2023 IEEE 20th International Conference on Mobile Ad Hoc and Smart Systems (MASS).Peer Review - Refereed

Jung, Sungchul (Assistant Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Kumarapel, D. R., Jung, S., Lindeman, R. W. (2024). Privacy Threats of Behaviour IdentityDetection in VR. *Frontiers in Virtual Reality Virtual Reality in Industry*, 5, .Peer Review - Refereed

Journal Article, Academic Journal (Published)

Sanku, B. S., Li, J., Jung, S., Mei, C., He, S. (2023). Enhancing Attention in Autism Spectrum Disorder: Comparative Analysis of Virtual Reality-Based Training Programs Using Physiological Data. *Frontiers in Computer Science, section Human-Media Interaction*, 5(2023), ., Impact Factor: 2.93, <https://www.frontiersin.org/articles/10.3389/fcomp.2023.1250652/full>Peer Review - Refereed

Journal Article, Academic Journal (Published)

Zielasko, D., Borst, C. W., Jung, S., Dey, A. (2023). Editorial: Everyday Virtual and Augmented Reality: Methods and Applications Vol. 2. *Frontiers in Virtual Reality Technologies for VR*, .Editorial Review

Conference Proceedings

Conference Proceeding (Published)

Jung, S., Wu, Y., Lukosch, S., Lukosch, H., McKee, R., Lindeman, R. W. (2023). *Cross-Reality Gaming: Comparing Competition and Collaboration in an Asymmetric Gaming Experience*. ACM Symposium on Virtual Reality Software and Technology (VRST).Peer Review - Refereed

Conference Proceeding (Published)

Li, J., Jung, S. (2023). *Use of Eye Behavior With Visual Distraction for Attention Training in VR* (pp. 6). IEEE VR 2023 Workshop: 3D Content Creation for Simulated Training in XR.Peer Review - Refereed

Conference Proceeding (Published)

Jung, S., Li, J. (2023). *Impact of Spatial Environment Design on Cognitive Load* (pp. 2). 2023 IEEE Conference on Virtual Reality and 3D User Interfaces Abstracts and Workshops (VRW). <https://ieeexplore.ieee.org/abstract/document/10108755>Peer Review - Refereed

Conference Proceeding (Published)

Kumarapeli, D., Jung, S., Lindeman, R. W. (Published). *Privacy Threats of Behaviour Identity Detection in VR* (pp. 2). 2023 IEEE Conference on Virtual Reality and 3D User Interfaces Abstracts and Workshops (VRW).Peer Review - Refereed

Li, Joy (Assistant Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Li, J., Li, Z., Zhang, C. (2023). Virtual Reality in Special Education: An Application Review. *JISAR - Journal of Information Systems Applied Research*, 16(3), 68-80, .. <http://jisar.org/2023-16/n3/JISARv16n3p68.html>Peer Review - Refereed

Journal Article, Academic Journal (Published)

Sanku, B. S., Li, J., Jung, S., Mei, C., He, S. (2023). Enhancing Attention in Autism Spectrum Disorder: Comparative Analysis of Virtual Reality-Based Training Programs Using Physiological Data. *Frontiers in Computer Science, section Human-Media Interaction*, 5(2023), .. Impact Factor: 2.93, <https://www.frontiersin.org/articles/10.3389/fcomp.2023.1250652/full>Peer Review - Refereed

Journal Article, Academic Journal (Published)

Huang, Y., Li, J., Cai, Z. (2023). Security and Privacy in Metaverse: A Comprehensive Survey. *Big Data Mining and Analytics*, 6(2), 234-247, .. Impact Factor: 5.6, <https://ieeexplore.ieee.org/document/10026513>Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)

Streeter, M., Li, Z., Li, J., Zhang, C., Tian, S., He, S. (2023). *Brain-Computer Interface and VR/AR for the Diagnosis and Intervention of ADHD and ASD: A Preliminary Review*. ISCAP 2023 Conference.Peer Review - Refereed

Conference Proceeding (Published)

Li, J., Li, Z., Zhang, C. (2023). *A Literature Review of Type 2 Diabetes Support Using Extended Reality*. ISCAP 2023 Conference.Peer Review - Refereed

Conference Proceeding (Published)

Sanku, B. S., Li, J., He, S. (2023). *A Survey of VR-Based Neurofeedback Systems in Physiological Computing for Depression Treatment*. Xi'an: 2023 the 9th International Conference on Virtual Reality. <https://ieeexplore.ieee.org/document/10169583>Peer Review - Refereed

Conference Proceeding (Published)

Li, J., Sanku, B. S., Mei, C., He, S. (2023). *Designing an Empathy Training for Depression Prevention Using Virtual Reality: a Preliminary Study* (pp. 44-52). IEEE VR 2023 Workshop: 3D Content Creation for Simulated Training in XR. <https://ieeexplore.ieee.org/document/10108699>Peer Review - Refereed

Conference Proceeding (Published)

Li, J., Jung, S. (2023). *Use of Eye Behavior With Visual Distraction for Attention Training in VR* (pp. 6). IEEE VR 2023 Workshop: 3D Content Creation for Simulated Training in XR.Peer Review - Refereed

Conference Proceeding (Published)

Jung, S., Li, J. (2023). *Impact of Spatial Environment Design on Cognitive Load* (pp. 2). 2023 IEEE Conference on Virtual Reality and 3D User Interfaces Abstracts and Workshops (VRW). <https://ieeexplore.ieee.org/abstract/document/10108755>Peer Review - Refereed

Other Intellectual Contributions

Published Abstract (Published)

Sanku, B. S., He, S., Li, J. (2023). *Enhancing Attention in Autism Spectrum Disorder: Comparative Analysis of Virtual Reality-Based Training Programs Using Physiological Data*. ISNR 2023 Annual Conference. Peer Review - Refereed

Software (Published)

Li, J. (2023). *Cyber Trivia Game*. Editorial Review

Published Abstract (Published)

Sanku, B. S., Li, J., Mei, C., He, S. (2023). *Use of Eye Behaviours and Physiological Monitoring in Virtual Reality for Attention Training on Autism Spectrum*. International Society for Neuroregulation & Research Conference (ISNR) 2023. <https://isnr.org/conference> Peer Review - Refereed

Li, Xia (Assistant Professor)

Conference Proceedings

Conference Proceeding (Published)

Li, X., Juza, R. (2023). *Accelerating Mutation-Based Fault Localization via Optimized Mutant Execution*. 13th International Conference on Software Technology and Engineering (ICSTE 2023). Peer Review - Refereed

Markowsky, George (Professor)

Conference Proceedings

Conference Proceeding (Published)

Gupta, A., Markowsky, G., Das, S. K. (2023). *Is Performance Fairness Achievable in Presence of Attackers Under Federated Learning?*. Proceedings of the 2023 European Conference on Artificial Intelligence. Peer Review - Refereed

Conference Proceeding (Published)

Markowsky, G. (2023). *The Budget Theorem and the Russo-Ukrainian War*. Proceedings of the 2023 12th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS). Peer Review - Refereed

Meimandi Parizi, Reza (Associate Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Jagarlamudi, G. K., Yazdinejad, A., Meimandi Parizi, R., Pouriyeh, S. (2023). Exploring privacy measurement in federated learning. *The Journal of Supercomputing*, 1--41, . Peer Review - Refereed

Journal Article, Academic Journal (Published)

Rabieinejad, E., Yazdinejad, A., Meimandi Parizi, R., Dehghantanha, A. (2023). Generative Adversarial Networks for Cyber Threat Hunting in Ethereum Blockchain. *ACM Distributed Ledger Technologies: Research and Practice*, 2(2), ., <https://doi.org/10.1145/3584666>Peer Review - Refereed

Journal Article, Academic Journal (Published)

Mosaiyebzadeh, F., Pouriye, S., Meimandi Parizi, R., Z. Sheng, Q., Zhao, L., Batista, D. (2023). Privacy-Enhancing Technologies in Federated Learning for the Internet of Healthcare Things: A Survey. *MDPI electronics - Special Issue "IoT for Healthcare and Wellbeing: Trends, Challenges, and Applications"*, .Peer Review - Refereed

Journal Article, Academic Journal (Accepted)

Nalla, V., Pouriye, S., Meimandi Parizi, R., Sheng, Q., Seyyed-Kalantari, L., Hwang, I., Woo, M. (in press). Deep Learning For Computer-aided Abnormalities Classification in Digital Mammogram: A Data-centric Perspective. *To appear in Journal of Digital Imaging*, .Peer Review - Refereed

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Yazdinejad, A., Dehghantanha, A., Meimandi Parizi, R., Epiphaniou, G. (2023). An optimized fuzzy deep learning model for data classification based on NSGA-II. *Neurocomputing*, 522, 116-128, ., <https://www.sciencedirect.com/science/article/pii/S0925231222015260>

Journal Article, Academic Journal (Published)

Yazdinejad, A., Dehghantanha, A., Meimandi Parizi, R., Srivastava, G., Karimipour, H. (2023). Secure Intelligent Fuzzy Blockchain Framework: Effective Threat Detection in IoT Networks. *Computers in Industry*, 144, 103801, ., <https://www.sciencedirect.com/science/article/pii/S016636152200197X>

Conference Proceedings

Conference Proceeding (Published)

Patan, R., Meimandi Parizi, R. (2023). Automatic Detection of API Access Control Vulnerabilities in Decentralized Web3 Applications. *2023 IEEE International Conference on Decentralized Applications and Infrastructures (DAPPS)* (pp. 76-85).

Conference Proceeding (Published)

Dehbozorgi, N., Meimandi Parizi, R. (2023). Enhancing Competency-Based Learning and Employability through a Course Recommender AI-Assisted System. *Proceedings of the 24th Annual Conference on Information Technology Education* (pp. 207–208). New York, NY, USA: Association for Computing Machinery. <https://doi.org/10.1145/3585059.3611435>

Conference Proceeding (Published)

Patan, R., Meimandi Parizi, R. (2023). Securing Data Exchange in the Convergence of Metaverse and IoT Applications. *Proceedings of the 18th International Conference on Availability, Reliability and Security*. New York, NY, USA: Association for Computing Machinery. <https://doi.org/10.1145/3600160.3605019>

Conference Proceeding (Published)

Mosaiyebzadeh, F., Pouriye, S., Meimandi Parizi, R., Dehbozorgi, N., Batista, D. (2023). *Exploring the Role of ChatGPT in Education: Applications and Challenges*. The 24th ACM Annual Conference on Information Technology Education (SIGITE 2023).Peer Review - Refereed

Conference Proceeding (Published)

Potluri, T., Shi, Y., Shahriar, H. M., Lo, D. C.-T., Meimandi Parizi, R., Chi, H., Qian, K. (2023). *Secure Software Development in Google Colab*. IEEE World AI IoT Congress 2023. Peer Review - Refereed

Conference Proceeding (Published)

Donkada, S., Pouriye, S., Meimandi Parizi, R., Xie, Y., Shahriar, H. M. (2023). *Early Heart Disease Detection Using Mel-Spectrograms and Deep Learning*. 3rd IEEE International Conference on ICT Solutions for eHealth. Peer Review - Refereed

Conference Proceeding (Published)

Mosaiyebzadeh, F., Pouriye, S., Meimandi Parizi, R., Dehbozorgi, N., Batista, D. (2023). *Empowering Healthcare Professionals and Patients with Chat GPT: Applications and Challenges*. IEEE International Conference on Computational Science and Computational Intelligence (IEEE CSCI 2023). Peer Review - Refereed

Conference Proceeding (Published)

Nalla, V., Pouriye, S., Meimandi Parizi, R., Brown-Mulry, B., Zhang, L., Woo, M. (2023). *Influence of Convolutional Neural Network Depth on the Efficacy of Automated Breast Cancer Screening Systems*. 3rd IEEE International Conference on ICT Solutions for eHealth. Peer Review - Refereed

Conference Proceeding (Published)

Mosaiyebzadeh, F., Pouriye, S., Meimandi Parizi, R., Han, M., Batista, D. (2023). *Intrusion Detection System for IoHT Devices using Federated Learning*. IEEE International Conference on Computer Communications (The 2023 International Workshop on AI-Driven Trustworthy, Secure, and Privacy-Preserving Computing).

Spoletini, Paola (Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Accepted)

Ferrari, A., Huichapa, T., Spoletini, P., Novielli, N., Fucci, D., Girardi, D. (in press). *Using Voice and Biofeedback to Predict User Engagement during Product Feedback Interviews*. To appear in *ACM Transactions on Software Engineering and Methodology*. Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)

Valero de Clemente, M. A., Spoletini, P. (2023). *RE Practices when Developing IoT for Healthcare: the Case of GlucoCheck*. 2nd Workshop on Requirement Engineering for Software startups and Emerging Technologies (RESET). Peer Review - Refereed

Conference Proceeding (Published)

Spoletini, P. (2023). *Towards Quantum Requirements Engineering*. 2nd Workshop on Requirement Engineering for Software startups and Emerging Technologies (RESET). Peer Review - Refereed

Conference Proceeding (Published)

Spoletini, P. (2023). *Strategies, Benefits and Challenges of App Store-inspired Requirements Elicitation*. Proceedings of the 45th ACM/IEEE Conference on Software Engineering. Peer Review - Refereed

Conference Proceeding (Published)

Konlog, R. I., Spoletini, P. (2023). *REIT-Builder: Customizable Training for Requirements Elicitation Interviews*. REFSQ Co-Located Events. Peer Review - Refereed

Conference Proceeding (Published)

Grubb, A., Spoletini, P. (2023). *Bringing Stakeholders Along for the Ride: Towards Supporting Intentional Decisions in Software Evolution*. Proceeding of the 29th International Working Conference on Requirement Engineering: Foundation for Software Quality. Peer Review - Refereed

Conference Proceeding (Accepted)

Broccia, G., ter Beek, M. H., Lafuente, A. L., Spoletini, P., Ferrari, A. (2024). *Assessing the Understandability of Attack-Defense Trees for Modelling Security Requirements: an Experimental Investigation*. Proceeding of the 30th International Working Conference on Requirement Engineering: Foundation for Software Quality. Peer Review - Refereed

Conference Proceeding (Accepted)

Spoletini, P., Ferrari, A. (2024). *The Return of Formal Requirements Engineering in the Era of Large Language Models*. Proceeding of the 30th International Working Conference on Requirement Engineering: Foundation for Software Quality. Peer Review - Refereed

Conference Proceeding (Accepted)

Clemente, S., Sim, A., Spoletini, P., Randolph, A., Valero de Clemente, M. A. (2023). *EmoGame: Unraveling Emotional Correlations in Teen Video Gamers for Health Monitoring Insights - Biomedical Analysis of the Emotional Impact of Fortnite and Minecraft*. 1st Latin-American Workshop on Structural Health Monitoring (LATAM-SHM 2023). Peer Review - Refereed

Warpefelt, Henrik H. (Assistant Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Hervé, J.-B., Salge, C., Warpefelt, H. (2023). An examination of the hidden judging criteria in the Generative Design in Minecraft Competition. *IEEE Transactions on Games*, ., Impact Factor: 2.3, <https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=7782673> Peer Review - Refereed

School of Data Science and Analytics

Brown, Austin (Assistant Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Lopez, R., Ikedum, I., Ndungu, B., Brown, A., Sneha, S. (2023). Assessing the Relationship Between Educational Attainment and Flu Vaccination: An Examination of the 2019 Behavioral Risk Factor Surveillance System. *Journal of Public Health: From Theory to Practice*, ., Impact Factor: 1.8Peer Review - Refereed

Journal Article, Academic Journal (Published)

Maguire, M. R., White, M. A., Brown, A. (2023). The Quality of Care Delivered in a Simulation Center: A Benchmark Study. *Nurse Educator*, ., Impact Factor: 2.082Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)

Brown, A. (2023). *Translating Common Data Visualizations from PROC SGPLOT to ggplot2*. Southeastern SAS Users Group.Peer Review - Refereed

DeMaio, Joseph D. (Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Staples, L., Ring, J., Fontana, S., Stradwick, C., DeMaio, J. D., Ray, H. E., Zhang, Y., Zhang, X. (2023). Reproducible clustering with non-Euclidean distances: a simulation and case study. *International Journal of Data Science and Analytics*, ., <http://dx.doi.org/10.1007/s41060-023-00429-1>Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)

DeMaio, J. D., Jones, N. (2023). *An Efficacy Rating for March Madness Tournament Seeding* (pp. 11). Cary, NC: Southeast SAS Users Group. https://sesug.org/proceedings/sesug_2023_final_papers/Statistics,_Analytics_and_Reporting/SESUG2023_Paper_178_Final_PDF.pdfPeer Review - Refereed

Eldridge, Bowen B. (Lecturer)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Taasoobshirazi, G., Edwards, O. V., Eldridge, B. (2023). Stereotype threat and gender differences in statistics. *Contemporary Mathematics and Science Education*, 4(1)(ep23014), 6, ., Acceptance Rate: 78%,

Ferguson, Nicole N. (Associate Professor)

Refereed Journal Articles

Journal Article, Professional Journal (Published)

Olsen, I. E., Granger, M., Masoud, W., Clark, R. H., Ferguson, A. N. (2023). Defining Body Mass Index Using Weight and Length for Gestational Age in the Growth Assessment of Preterm Infants at Birth. *American Journal of Perinatology*, ., Impact Factor: 3.079Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)

Jordan, N., Ferguson, A. N., Gittner, K., Woo, J. G., Clark, R. H. (2023). *Visualizing Chronic Lung Disease Incidence in SAS; An Educational Journey to Data Visualization*. SouthEast SAS Users Group 2023 Conference Proceedings. <https://www.sesug.org/SESUG2023/proceedings.html>Editorial Review

Franks, Bill (Lecturer)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Rathgamage Don, D. P., Boardman, J., Sayenju, S., Aygun, R., Zhang, Y., Franks, W., Johnston, S., Lee, G., Sullivan, D., Modgil, G. (2023). Automation of Explainability Auditing for Image Recognition. *International Journal of Multimedia Engineering and Management*, 14(1), 17, ., <https://www.igi-global.com/gateway/article/332882>Editorial Review

Conference Proceedings

Conference Proceeding (Published)

Sayenju, S., Aygun, R., Franks, W., Johnston, S., Lee, G., Choi, H., Modgil, G. (2023). *Quantifying Domain Knowledge in Large Language Models*. IEEE CAI 2023. Peer Review - Refereed

Gittner, Kevin B. M. (Assistant Professor)

Book Chapters

Book, Chapter in Scholarly Book-New (Accepted)

Lahman, M., Gittner, K. (2023). Chapter contributions: Team researchers utilizing different qualitative data analysis software; Software snafu: A lesson in saving version copies. *Conducting Qualitative Research that is Culturally Responsive and Antiracist*. Invited

Conference Proceedings

Conference Proceeding (Published)

Jordan, N., Ferguson, A. N., Gittner, K., Woo, J. G., Clark, R. H. (2023). *Visualizing Chronic Lung Disease Incidence in SAS; An Educational Journey to Data Visualization*. SouthEast SAS Users Group 2023 Conference Proceedings. <https://www.sesug.org/SESUG2023/proceedings.html> Editorial Review

Matheny, Lauren (Assistant Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Stake, I., Matheny, L., Comfort, S., Dornan, G., Haytmanek, T., Clanton, T. O. (2023). Outcomes Following Repair of Achilles Midsubstance Tears: Percutaneous Knotless Repair versus Open Repair. *Foot and Ankle International*, ., Impact Factor: 2.7, 3.1 5-yr Peer Review - Refereed

Journal Article, Academic Journal (Published)

Obey, M., Schafer, K., Matheny, L. M., McAndrew, C., Ricci, W., Backus, J. (2023). Syndesmotomic Suture Button Fixation Results in Higher Tegner Activity Scale Scores when Compared to Screw Fixation: A Multicenter Investigation. *Foot and Ankle Specialist*, ., Impact Factor: 1.6, <https://journals.sagepub.com/home/fas> Peer Review - Refereed

Ni, Sherry (Professor)

Book Chapters

Book, Chapter in Scholarly Book-New (Published)

Wang, Y., Ni, S. (2023). A Survey of Machine Learning Methodologies for Loan Evaluation in Peer-to-Peer (P2P) Lending. In Foued Saâdaoui, Yichuan Zhao, Hana Rabbouch (Ed.), *Data Analytics for Management, Banking and Finance*. Springer. Peer Review - Refereed

Ray, Herman E. (Associate Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Liu, P., Lan, Z., Walker, B., Ray, H. E., Smith, H. (2023). Augmentation of Real-World Mortality Data in the Electronic Medical Record: Assessing the Impact on Overall Survival Estimates in Multiple Myeloma. *Blood*, 142(1), 7395, ., <https://www.sciencedirect.com/science/article/abs/pii/S0006497123139917> Peer Review - Refereed

Journal Article, Academic Journal (Published)

Shao, P., Tepsick, J. G., Walker, B., Ray, H. E. (2023). Improving Real-World Mortality Data Quality: Augmenting Electronic Medical Records with Digital Obituary, Social Security Death Index, and Commercial Claims Data. *JCO Clinical Cancer Informatics*, . Peer Review - Refereed

Journal Article, Academic Journal (Published)

Staples, L., Ring, J., Fontana, S., Stradwick, C., DeMaio, J. D., Ray, H. E., Zhang, Y., Zhang, X. (2023). Reproducible clustering with non-Euclidean distances: a simulation and case study. *International Journal of Data Science and Analytics*, ., <http://dx.doi.org/10.1007/s41060-023-00429-1>Peer Review - Refereed

Journal Article, Academic Journal (Published)

Collis, R. W., Dry, T., Ray, H. E., Grundlingh, N., Chan, G., Oswald, T. (2023). Evidence for a Multimodal Pain Management Regimen in Reduction of Postoperative Opioid Use in Pediatric Patients Receiving Posterior Spinal Fusion for Adolescent Idiopathic Scoliosis. *Spine*, .Peer Review - Refereed

Journal Article, Professional Journal (Published)

Barnett, K. B., Amason, J., Wagner, D., Ray, H. (Published). Characteristics of Substance Addicted Mothers that predict graduation from the Family Treatment Court. *Journal of Nursing Scholarship*, ., Impact Factor: 3.176Peer Review - Refereed

Journal Article, Academic Journal (Published)

Geisler, T., Ray, H. E., Xie, Y. (2023). Finding the Proverbial Needle: Improving Minority Class Identification Under Extreme Class Imbalance. *Journal of Classification*, Springer, ., Impact Factor: 1.625Peer Review - Refereed

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Ndembera, R., Ray, H. E., Shah, L., Rushton, G. T. (Published). Analysis of category level performance on the *Praxis*[®] earth and space science: Content knowledge test: Implications for professional learning. *Journal of Geoscience Education*, 1-14, ., <http://dx.doi.org/10.1080/10899995.2022.2138067>

Journal Article, Academic Journal (Published)

Adams, Y. J., Ray, H. E., Sladek, L., Amason, J. S. (2023). Knowledge of immediate newborn care and management of complications among midwives in Ghana. *Midwifery*, 121, 103654, ., <http://dx.doi.org/10.1016/j.midw.2023.103654>

Other Intellectual Contributions

posted-content (Published)

Ndembera, R., Ray, H. E., Shah, L., Rushton, G. (Published). *Which factors contribute to standardized test scores for prospective general science teachers: An analysis of the Praxis[®] General Science Content Knowledge Test.*. Research Square Platform LLC. <http://dx.doi.org/10.21203/rs.3.rs-2891716/v1>

Taasoobshirazi, Gita (Associate Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Duncan, L., Taasoobshirazi, G., Vaudreuil, A., Sai-Kota, J., Sneha, S. (2023). An Evaluation of Imposter Phenomenon in Data Science Students. *International Journal of Environmental Research and Public Health*, 20(5), 4115, ., Impact Factor: 4.80Peer Review - Refereed

Journal Article, Academic Journal (Published)

Peifer, J., Taasoobshirazi, G., Meyer-Lee, E. (2023). Developmental Pathways to Intercultural Competence in College Students. 5(2), 167-189, ., Impact Factor: 3.62Peer Review - Refereed

Journal Article, Academic Journal (Published)

Peifer, J., Taasoobshirazi, G., Meyer-Lee, E. (2023). Longitudinal Growth in College Student Self-Efficacy and Intercultural Competence Attenuated by Anxiety/Depression. *Frontiers in Education*, 8, 1-12, ., Impact Factor: 2.62Peer Review - Refereed

Journal Article, Academic Journal (Published)

Taasoobshirazi, G., Edwards, O., Eldridge, B. (2023). Stereotype threat and Gender differences in statistics. *Contemporary Mathematics and Science Education*, 4(1), 23014, ., Impact Factor: 1.00Peer Review - Refereed

Journal Article, Academic Journal (Published)

Taasoobshirazi, G., Hord, A., Vaughn, A., Treadaway, H., Johnson, M. (2023). Using Motivational Theories to Study Imposter Phenomenon Among Academics. *International Journal on Social and Education Sciences*, 5(2), 167-189, .Peer Review - Refereed

Journal Article, Academic Journal (Published)

Taasoobshirazi, G., Edwards, O. V., Eldridge, B. (2023). Stereotype threat and gender differences in statistics. *Contemporary Mathematics and Science Education*, 4(1)(ep23014), 6, ., Acceptance Rate: 78%, <https://www.conmaths.com/article/stereotype-threat-and-gender-differences-in-statistics-13064>Peer Review - Refereed

Journal Article, Academic Journal (Accepted)

Nonterah, C., Hubbard, R., Taasoobshirazi, G., Hahn, N., Peifer, J., Outsey, S. (2024). Collective Self-Esteem and Well-being Among College Students in Ghana. *To appear in International Perspectives in Psychology: Research, Practice, Consultation*, ., Impact Factor: 1.40Peer Review - Refereed

Journal Article, Academic Journal (Accepted)

Hendenstrom, L., Toney, S., Knotts, K., Talton, E., Ndungu, J., Noble, C., Spiva, L., Hale, G., Taasoobshirazi, G., Cliett, T. (in press). Lend a Helping Hand- Mentoring through Chaos! *To appear in Nursing Management*, ., Impact Factor: 1.10Peer Review - Refereed

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)

Taasoobshirazi, G., Edwards, O., Eldridge, B. (2023). Stereotype threat and gender differences in Statistics. *Contemporary Mathematics and Science Education*, .

Woo, MinJae (Assistant Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Hwang, I., Trivedi, H., Brown-Mulry, B., Zhang, L., Nalla, V., Gastouniotti, A., Gichoya, J., Seyyed-Kalantari, L., Banerjee, I., Woo, M. (Published). Impact of multi-source data augmentation on performance of convolutional neural networks for abnormality classification in mammography. *Frontiers in Radiology*, .Peer Review - Refereed

Journal Article, Academic Journal (Published)

Jung, J., Vey, B., Correa, R., Woo, M., Banerjee, I., Gichoya, J., Trivedi, H. (2023). The EMory BrEast imaging Dataset (EMBED): A Racially Diverse, Granular Dataset of 3.4 Million Screening and Diagnostic Mammographic Images. *Radiology Artificial Intelligence*, ., Impact Factor: 25.0Peer Review - Refereed

Journal Article, Academic Journal (Accepted)

Nalla, V., Pouriye, S., Meimandi Parizi, R., Sheng, Q., Seyyed-Kalantari, L., Hwang, I., Woo, M. (in press). Deep Learning For Computer-aided Abnormalities Classification in Digital Mammogram: A Data-centric Perspective. *To appear in Journal of Digital Imaging*, .Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)

Nalla, V., Pouriye, S., Meimandi Parizi, R., Brown-Mulry, B., Zhang, L., Woo, M. (2023). *Influence of Convolutional Neural Network Depth on the Efficacy of Automated Breast Cancer Screening Systems*. 3rd IEEE International Conference on ICT Solutions for eHealth.Peer Review - Refereed

Conference Proceeding (Accepted)

Lee, S., Koganti, S. C., Hwang, I., Woo, M. (in press). *Class probability-guided Ensemble Learning-based Semantic Segmentation to Predict Cancerous Regions on Hematoxylin and Eosin Images*. IEEE Semantic Computing.Peer Review - Refereed

Conference Proceeding (Accepted)

Hwang, I., Woo, M. (in press). *Image Compression and Decompression Framework Based on Latent Diffusion Model for Breast Mammography*. IEEE International Conference on Computational Science and Computational Intelligence.Peer Review - Refereed

Conference Proceeding (Accepted)

Payne, S., Seal, A., Miller, T., Woo, M. (2023). *Racial Disparities in Clinical Automated Speech Recognition*. American Medical Informatics Association 2023 Information Summit. <https://amia.org/education-events/amia-2023-informatics-summit>Peer Review - Refereed

Zhang, Xinyan (Assistant Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

Zhang, L., Zhang, X., Yi, N. (2023). Bayesian compositional generalized linear models for analyzing microbiome data. *Statistics in Medicine*, .Peer Review - Refereed

Journal Article, Academic Journal (Published)

Staples, L., Ring, J., Fontana, S., Stradwick, C., DeMaio, J. D., Ray, H. E., Zhang, Y., Zhang, X. (2023). Reproducible clustering with non-Euclidean distances: a simulation and case study. *International Journal of Data Science and Analytics*, ., <http://dx.doi.org/10.1007/s41060-023-00429-1>Peer Review - Refereed