Intellectual Contributions
Kennesaw State University
January 1, 2019 - December 31, 2019

Department of Computer Science

Aledhari, Mohammed (Assistant Professor)

Refereed Journal Articles

Journal Article, Professional Journal (Accepted)
Aledhari, M., Di Pierro, M., Marhoon, A. (in press). Towards Smart Cities: A New Path Planning Algorithm in Support of Smart Navigation Systems. *To appear in IEEE Transactions on Automation Science and Engineering*, ., Impact Factor: 3.667Peer Review - Refereed

Journal Article, Professional Journal (Submitted)
Aledhari, M., Di Pierro, M. (under review). An Onboard Smart Camera-Based System in Support of Autonomous and Accident-Free Driving. *IEEE Transactions on Vehicular Technology*, ., Impact Factor: 4.432Peer Review - Refereed

Journal Article, Professional Journal (Submitted)
Aledhari, M., Di Pierro, M. (under review). A Deep Learning-Based Smart Vision and Navigation System for Autonomous Cars and Mobile Robots. *IEEE Transactions on Automation Science and Engineering*, ., Impact Factor: 3.667Peer Review - Refereed

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)
HaddadPajouh, H., Dehghantanha, A., Meimandi Parizi, R., Aledhari, M., Karimipour, H. (2019). A Survey on Internet of Things Security: Requirements, Challenges, and Solutions. *Internet of Things*, 100129, ., http://www.sciencedirect.com/science/article/pii/S2542660519302288

Conference Proceedings

Conference Proceeding (Published)
Aledhari, M., Meimandi Parizi, R., Dehghantanha, A., Choo, K.-K. (2019). *A Hybrid RSA Algorithm in Support of IoT Greenhouse Applications* (pp. 1-8). 2019 IEEE International Conference on Industrial Internet (IEEE ICII 2019).Peer Review - Refereed

Conference Proceeding (Accepted)
Aledhari, M. (2019). A New Distribution Scheme of Cellular Towers to Reduce Health Hazards and Network Costs. *N/A*. Waikoloa, HI: 2019 IEEE Global Communications Conference: Mobile and Wireless Networks.

Conference Proceeding (Accepted)
Aledhari, M. (2019). Optimized CNN-based Diagnosis System to Detect the Pneumonia from Chest Radiographs. *N/A*. San Diago, CA: IEEE International Conference on Bioinformatics & Biomedicine 2019.

Conference Proceeding (Submitted)

Aledhari, M. (under review). *Design and Implementation of the Multi-Stage Cryptographic Algorithm for Internet of Things-Based Greenhouse.* 2019 IEEE Global Communications Conference: Mobile and Wireless Networks.Peer Review - Refereed

Conference Proceeding (In Preparation; Not Yet Submitted)
Aledhari, M., McFall, K. (In Preparation; Not Yet Submitted). *A New Distribution Scheme of Cellular Towers to Reduce Health Hazards and Network Costs.* 2019 IEEE Global Communications Conference: Mobile and Wireless Networks.Peer Review - Refereed

Bobbie, Patrick (Professor)

Conference Proceedings

Conference Proceeding (Published)
Xu, X., Zhao, Y., Zhao, D., Yang, L., Bakiras, S. (2019). *Distributed Real-time Data Aggregation Scheduling in Duty-Cycled Multi-hop Sensor Networks.* WASA.

Conference Proceeding (Published)
Xu, X., Chen, Y., He, S., Bobbie, P. (2019). *OWLS: Opportunistic Wireless Link Scheduling with SINR Constraints.* WASA.

Conference Proceeding (Accepted)
He, S., Bobbie, P., Han, M. (2019). *A Community-based Computational and Engineering Sciences Initiative toward National Development (COESIND).* 2019 IEEE Frontiers in Education Conference (FIE).Peer Review - Refereed

Clincy, Victor (Professor)

Conference Proceedings

Conference Proceeding (Published)
Clincy, V. A., Shahriar, H. (2019). *Blockchain Development Platform Comparison* (pp. 922-923). 2019 IEEE 43rd Annual Computer Software and Applications Conference (COMPSAC).Peer Review - Refereed

Conference Proceeding (Published)
Clincy, V. A., Shahriar, H. (2019). *IoT Malware Analysis* (pp. 920-921). IEEE: 2019 IEEE 43rd Annual Computer Software and Applications Conference (COMPSAC).Peer Review - Refereed

Garrido, Jose (Professor)

Conference Proceedings

Conference Proceeding (Accepted)
Garrido, J. M. (in press). High-level Specification and Modeling of Cyber-physical Systems. *No* (pp. 4). NY: ACM.Peer Review - Refereed

Haddad, Hisham (Professor)

Book Chapters

Book, Chapter in Scholarly Book-New (Published)
Qu, F., Haddad, H., Shahriar, H. M. (2019). Application of Blockchain and Smart Contract: Approaches and Challenges. In Kuan-Ching Li, Xiaofeng Chen, Hai Jiang, and Elisa Bertino (Ed.), *Book Titled: Essentials of Blockchain Technology* (pp. 121-140). CRC Press.
https://books.google.com/books?hl=en&lr=&id=SsfADwAAQBAJ&oi=fnd&pg=PA121&dq=feiyang+qu+blockchain&ots=rAndye_yW6&sig=biA5Q_aPIXHC4-pu2h0h7EUg8n0#v=onepage&q&f=falsePeer Review - Refereed

Book, Chapter in Scholarly Book-New (Published)
Talukder, A., Shahriar, H., Haddad, H. (2019). Point-of-Sale Device Attacks and Mitigation Approaches for Cyber-Physical Systems. *Cybersecurity and Privacy in Cyber Physical Systems* (pp. 368-383). CRC Press:.
https://books.google.com/books?id=PVOWDwAAQBAJ&lpg=PA367&ots=smB-EmJqLK&dq=info%3AiPKKaAphYiYJ%3Ascholar.google.com&lr&pg=PA367#v=onepage&q&f=falsePeer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)
Qu, F., Haddad, H., Shahriar, H. M. (2019). *Smart Contract-based Secured Business-to-Consumer Supply Chain Systems* (pp. 6). IEEE: 1st International Workshop on Lightweight Blockchain for Edge Intelligence and Security.
https://ieeexplore.ieee.org/document/8946227Peer Review - Refereed

Conference Proceeding (Published)
Afrin, R., Haddad, H., Shahriar, H. (2019). *Supervised and Unsupervised-Based Analytics of Intensive Care Unit Data* (pp. 417-422). IEEE: 2019 IEEE 43rd Annual Computer Software and Applications Conference (COMPSAC).
https://ieeexplore.ieee.org/document/8754266Peer Review - Refereed

Conference Proceeding (Published)
Farhadi, M., Haddad, H., Shahriar, H. (2019). *Compliance Checking of Open Source EHR Applications for HIPAA and ONC Security and Privacy Requirements* (pp. 704-713). IEEE: 2019 IEEE 43rd Annual Computer Software and Applications Conference (COMPSAC). https://ieeexplore.ieee.org/abstract/document/8754027Peer Review - Refereed

He, Selena (Associate Professor)

Refereed Journal Articles

Journal Article, Professional Journal (Accepted)
He, Y., Sun, F., Li, Q., He, S., Wang, L. (2019). A Survey of Public Key Mechanism in Wireless Sensor Networks. *To appear in Journal of Computers*, .Peer Review - Refereed

Non-Refereed Journal Articles

Journal Article, Academic Journal (Submitted)
He, S., Han, M., Li, Z., Patel, N. (under review). An IoT-based System of Converting Handwritten Text to Editable Format via Gesture Recognition. *IEEE Transactions on Learning Technologies*, .

Conference Proceedings

Conference Proceeding (Published)

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

Conference Proceeding (Published)

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

Conference Proceeding (Published)

Han, M., Li, Z., He, S., Tian, S. (2019). *What are the Non-majors Looking for in CS Classes?.* 2019 IEEE Frontiers in Education Conference (FIE).Peer Review - Refereed

Conference Proceeding (Published)

Desai, S., Han, M., Li, L., Li, Z., He, S., Xu, X. (2019). *Untampered Electronic Voting in Entertainment Industry: A Blockchain-based Implementation.* SIGITE 2019.Peer Review - Refereed

Conference Proceeding (Published)

Sun, Z., He, S. (2019). *Idiopathic Interstitial Pneumonias Medical Image Detection Using Deep Learning Techniques: A Survey.* Proceeding of the 2019 ACM Southeast Conference. https://dl.acm.org/citation.cfm?id=3314425Peer Review - Refereed

Conference Proceeding (Published)

He, S., Zhang, A., Yan, M. (2019). *Voice and Motion-based Control System: Proof-of-Concept Implementation on Robotics via Internet-of-Things Technologies.* Proceedings of the 2019 ACM Southeast Conference. https://dl.acm.org/citation.cfm?id=3314440Peer Review - Refereed

Conference Proceeding (Published)

Han, M., Li, Z., He, S., Tian, S. (2019). *Understand the Emerging Demands of Computing Education for Non-CS Major Students.* ACM SIGCSE 2019.Peer Review - Refereed

Conference Proceeding (Accepted)

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

Conference Proceeding (Accepted)

Zhou, Y., Han, M., Liu, L., He, S., Gao, X. (2019). *The Adversarial Attacks Threats on Computer Vision: A Survey.* IEEE International Conference on Mobile Ad-Hoc and Smart Systems (IEEE MASS 2019).Peer Review - Refereed

Conference Proceeding (Accepted)

He, S., Bobbie, P., Han, M. (2019). *A Community-based Computational and Engineering Sciences Initiative toward National Development (COESIND).* 2019 IEEE Frontiers in Education Conference (FIE).Peer Review - Refereed

Conference Proceeding (Accepted)

Rashied, A., Nwajagu, N., He, S. (2019). *Statistical Analysis of Empirical Skateboard Data to Aid in Rider Training.* National Conference on Undergraduate Research (NCUR) 2019.Peer Review - Refereed

Conference Proceeding (Not Accepted)

Li, Z., Han, M., Tian, S., Yang, M., He, S. (Not Accepted). *Developing a Multidisciplinary Intro to FinTech Course: How Did It Work?.* SIGCSE2020.

Other Intellectual Contributions

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

Cited Research (Accepted)
Zhou, Y., Han, M., Liu, L., He, S. (2019). *Implement Convolutional Embedding Feature to Detect Time Series Abnormal Activity in Edge Computing Environment*. Southern Data Science 2019.Peer Review - Refereed

Hoganson, Ken (Professor)

Non-Refereed Journal Articles

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

Hung, Chih-Cheng (Professor)

Books

Book, Scholarly-New (Published)
Hung, C.-C., Song, E., Lan, Y. (2019). *Image Texture Analysis: Foundations, Models, and Algorithms* (pp. 51--102). Springer.Peer Review - Refereed

Refereed Journal Articles

Journal Article, Academic Journal (Published)
Chabbouh, M., Bechikh, S., Hung, C.-C., Said, L. B. (2019). Multi-objective evolution of oblique decision trees for imbalanced data binary classification. *Swarm and Evolutionary Computation, 49*, 1--22, .Peer Review - Refereed

Journal Article, Academic Journal (Published)
Chabbouh, M., Bechikh, S., Hung, C.-C., Said, L. B. (2019). Multi-objective Evolution of Oblique Decision Trees for Imbalanced Data Classification. *Swarm and Evolutionary Computation, 49*, 1-22, .Peer Review - Refereed

Journal Article, Academic Journal (Published)
Hung, C.-C. (2019). Automatic Labeling of MR Brain Images Through the Hashing Retrieval Based Atlas Forest. *Journal of Medical Systems, 43*(8), .Peer Review - Refereed

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)
Lan, Y., Bai, K., Hung, C.-C., Alelaiwi, A., Vasilakos, A. V. (2019). A Novel Definition of Equivalent Uniform Dose Based on Volume Dose Curve. *IEEE Access, 7*, 45850--45857, .

Journal Article, Academic Journal (Published)

Liu, H., Xu, L., Song, E., Jin, R., Hung, C.-C. (2019). Automatic Labeling of MR Brain Images Through the Hashing Retrieval Based Atlas Forest. *Journal of medical systems, 43*(8), 241, .

Journal Article, Academic Journal (Published)
Cao, H., Liu, H., Song, E., Ma, G., Xu, X., Jin, R., Liu, T., Hung, C.-C. (2019). Multi-Branch Ensemble Learning Architecture Based on 3D CNN for False Positive Reduction in Lung Nodule Detection. *IEEE Access, 7*, 67380--67391, .

Journal Article, Academic Journal (Published)
Liu, H., Cao, H., Song, E., Ma, G., Xu, X., Jin, R., Jin, Y., Hung, C.-C. (2019). A cascaded dual-pathway residual network for lung nodule segmentation in CT images. *Physica Medica - European Journal of Medical Physics, 63*, 112--121, ., DOI:https://doi.org/10.1016/j.ejmp.2019.06.003

Conference Proceedings

Conference Proceeding (Published)
Abeysinghe, W., Wong, M., Hung, C.-C., Bechikh, S. (2019). A Constrained Box Algorithm for Imbalanced Data in Satellite Images. *IGARSS 2019-2019 IEEE International Geoscience and Remote Sensing Symposium* (pp. 3089--3092).

Conference Proceeding (Published)
Bechikh, S., Elarbi, M., Hung, C.-C., Hamdi, S., Said, L. B. (2019). A Hybrid Evolutionary Algorithm with Heuristic Mutation for Multi-objective Bi-clustering. *2019 IEEE Congress on Evolutionary Computation (CEC)* (pp. 2323--2330).

Conference Proceeding (Published)
Wong, M., Abeysinghe, W., Hung, C.-C. (2019). A Massive Self-Organizing Map For Hyperspectral Image Classification. *2019 10th Workshop on Hyperspectral Imaging and Signal Processing: Evolution in Remote Sensing (WHISPERS)* (pp. 1--5).

Conference Proceeding (Published)
Varniab, M. S., Hung, C.-C., Sharghi, V. K. (2019). Classification of multiclass datasets using genetic programming. *Proceedings of the Conference on Research in Adaptive and Convergent Systems* (pp. 76--82).

Conference Proceeding (Published)
Hammami, M., Bechikh, S., Hung, C.-C., Said, L. B. (2019). Weighted-Features Construction as a Bi-level Problem. *2019 IEEE Congress on Evolutionary Computation (CEC)* (pp. 1604--1611).Peer Review - Refereed

Conference Proceeding (Accepted)
Bechikh, S., Elarbi, M., Hung, C.-C., Said, L. B. (2019). *A Hybrid Evolutionary Algorithm with Heuristic Mutation for Multi-objective Bi-clustering*. 2019 IEEE Congress on Evolutionary Computation, CEC 2019.

Conference Proceeding (Accepted)
Abesinghe, W., Wong, M., Hung, C.-C., Bechikh, S. (2019). *MULTI-OBJECTIVE EVOLUTIONARY ALGORITHM FOR IMAGE SEGMENTATION*. IEEE SECON.Peer Review - Refereed

Jung, Edward (Associate Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Submitted)
Jung, E., Boussuet, L. (under review). Heterogeneous Observers of Finite-State Machines and Fault Masking Problem. *IEEE Transactions on Cybernetics*, .Peer Review - Refereed

Kim, Daeyoung (Limited Term Assistant Professor)

Refereed Journal Articles

Journal Article, Professional Journal (Published)
Kemmoe, V. Y., Stone, W., Kim, J., Kim, D., Son, J. (2020). A Recent Advances in Smart Contract: A Survey. *IEEE Access, 8*, 117782-117801, ., Impact Factor: 3.745, https://ieeexplore.ieee.org/document/9125932Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Not Accepted)
Kim, J., Son, J., Stone, W., Kim, D., Noh, J., Cho, S. (Not Accepted). *A Novel Resource Allocation scheme for NOMA-V2X-Femtocell with Channel Aggregation.* 2020 IEEE International Conference on Communications (ICC).

Lo, Dan (Professor)

Books

Book, Textbook-New (Published)
Lo, D. C.-T. (2019). *Digital Computer Design - A Hands-On Approach.* Houston, TX: OpenStax CNX. cnx.orgEditorial Review

Conference Proceedings

Conference Proceeding (Published)
Shahriar, H. M., Whitman, M., Lo, D. C.-T., Wu, F., Thomas, C., Cuzzocrea, A. (2019). *Experiential Learning: Case Study-based Portable Hands-on Regression Labware for Cyber Fraud Prediction* (pp. 5). IEEE: IEEE Big Data 2019 - PSBD Workshop.Peer Review - Refereed

Conference Proceeding (Published)
Gardner, C., Lo, D. C.-T., Chern, J.-C., Paschos, P., Ng, C. (2019). *Tiered Financial Fraud Detection Utilizing Precision Stratified Random Forest Assembly.* IEEE 2019 International Conference on Big Data Intelligence and Computing (IEEE DataCom 2019).Peer Review - Refereed

Conference Proceeding (Published)
Sun, Z., Lo, D. C.-T., Shi, Y. (2019). *Big Data Analysis on Social Networking.* Los Angeles, CA: The 2019 IEEE International Conference on Big Data (IEEE BigData 2019).Peer Review - Refereed

Conference Proceeding (Published)
Lo, D. C.-T., Gardner, C., Pascho, P., Ng, C. (2019). *Subject-Oriented Data Retrieval and Analysis on Sina Weibo.* Los Angeles, CA: The 2nd International Workshop on Big Data for Marketing Intelligence and Operation Management, associated with IEEE BigData 2019.Peer Review - Refereed

Conference Proceeding (Published)

Johnson, J., Lo, D. C.-T., Meimandi Parizi, R. (2019). *The Effectiveness of Learning Trees on Network Intrusion Detection.* Los Angeles, CA: The 6th International Workshop on Privacy and Security of Big Data (PSBD 2019), associated with IEEE BigData 2019.Peer Review - Refereed

Conference Proceeding (Published)

Zhang, H., Li, Z., Shahriar, H., Lo, D. C.-T., Wu, F., Qian, Y. (2019). *Protecting Data in Android External Data Storage* (pp. 924-925). IEEE: 2019 IEEE 43rd Annual Computer Software and Applications Conference (COMPSAC).Peer Review - Refereed

Conference Proceeding (Published)

Shahriar, H. M., Qian, K., Talukder, M. A. I., Lo, D. C.-T. (2019). *DroidPatrol: A Static Analysis Plugin For Secure Mobile Software Development.* IEEE COMPSAC.

Conference Proceeding (Published)

Zhang, H., Li, Z., Lo, D. C.-T. (2019). *Protecting Data in Android External Data Storage.* IEEE COMPSAC.

Conference Proceeding

Lo, D. C.-T., Tiba, K. K., Buciumas, S., Ziller, F. (2019). *An Emperical Study on Application of Big Data Analytics to Automate Service Desk Business Process.* Milwaukee, Wisconsin: IEEE COMPSAC.

North, Sarah (Senior Lecturer)

Refereed Journal Articles

Journal Article, Academic Journal (Published)

North, M., North, S. M. (2019). Dynamic Immersive Visualization Environments: Enhancing Pedagogical Techniques. *Australasian Journal of Information Systems, 23*, 1-17, ., https://journal.acs.org.au/index.php/ajis/article/view/2109/885Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Accepted)

North, S. M. (2019). *Brain-Computer Interface: The Primer Demographic Performance Analysis.* Kennesaw: NCUR Proceedings of the 33rd National Conference on Undergraduate Research. https://apps.cur.org/ncur2019/search/Display_NCUR.aspx?id=111121

Conference Proceeding (Accepted)

North, S. M., Verma, M. (2019). In https://www.xcdsystem.com/SoutheastCon/program/x79wt0t/index.cfm?pgid=1989 (Ed.), *Pedagogical Innovative Research Endeavor: Visualization of Streamed Big Data through Augmented Reality.* IEEE SoutheastCon 2019. https://site.ieee.org/southeastcon2019/conference-schedule/Peer Review - Refereed

Other Intellectual Contributions

Published Abstract (Published)

North, S. M. (2019). In STEM Innovators Conference 2019 PSLSAMP (Ed.), *Performance Analysis of Human Traits in Brain-Computer Interface* (pp. 52). Athens, Ga: STEM

Innovators Conference 2019 PSLSAMP.
https://pslsamp.uga.edu/conference/conference-2019/

Shaw, Alan (Assistant Professor)

Other Intellectual Contributions

Research Report (Accepted)
Shaw, A. (2019). *Final Report: Incorporating Computer Programming into Mathematics Curricula to Enhance Learning for Low Performing, Underserved Students*. Alexandria, Virginia: National Science Foundation.

Shi, Yong (Associate Professor)

Conference Proceedings

Conference Proceeding (Published)
Brown, D., Japa, A., Shi, Y. (2019). *An Attempt at Improving Density-Based Clustering Algorithms*. Marietta: ACM SE '19 Proceedings of the 2019 ACM Southeast Conference. 1100 South Marietta Parkway Sout

Conference Proceeding (Published)
Shi, Y. (2019). *Multi-Dimensional Processing for Big Data with Noise*. IEEE International Conference on Power, Intelligent Computing and Systems, Shenyang, China, July 12-14, 2019. https://ieeexplore.ieee.org/document/8942582

Conference Proceeding (Published)
Sun, Z., Lo, D. C.-T., Shi, Y. (2019). *Big Data Analysis on Social Networking*. Los Angeles, CA: The 2019 IEEE International Conference on Big Data (IEEE BigData 2019).Peer Review - Refereed

Conference Proceeding (Accepted)
Brown, D., Japp, A., Shi, Y. (2019). *A Fast Density-Grid Based Clustering Method*. 2019 IEEE 9th Annual Computing and Communication Workshop and Conference (CCWC).

Conference Proceeding (Accepted)
Shi, Y., Qian, K. (2019). *LBMM: A Load Balancing based Task Scheduling Algorithm for Cloud*. IEEE Future of Information and Communication Conference (FICC) 2019.

Conference Proceeding (Accepted)
Japa, A., Brown, D., Shi, Y. (2019). *Towards Optimizing Data Analysis for Multi-Dimensional Data Sets*. IEEE Future of Information and Communication Conference (FICC) 2019.

Son, Junggab (Assistant Professor)

Refereed Journal Articles

Journal Article, Professional Journal (Published)
Kemmoe, V. Y., Stone, W., Kim, J., Kim, D., Son, J. (2020). A Recent Advances in Smart Contract: A Survey. *IEEE Access, 8*, 117782-117801, ., Impact Factor: 3.745, https://ieeexplore.ieee.org/document/9125932Peer Review - Refereed

Journal Article, Academic Journal (Published)

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

Journal Article, Academic Journal (Accepted)
Son, J., Kim, D.-H., Bhuiyan, M. Z. A., Tashakkori, R., Seo, J., Lee, D. H. (2020). Privacy Enhanced Location Sharing for Mobile Online Social Networks. *To appear in Transactions on Sustainable Computing (TSC) / IEEE*, .Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)
Son, J., Ko, E., Boyanapalli, U. B., Kim, D.-H., Kim, Y., Kang, M. (2019). *Fast and Accurate Machine Learning-based Malware Detection via RC4 Ciphertext Analysis*. IEEE: Proceedings of International Workshop on Computing, Networking and Communications (CNC).Peer Review - Refereed

Conference Proceeding (Not Accepted)
Kim, J., Son, J., Stone, W., Kim, D., Noh, J., Cho, S. (Not Accepted). *A Novel Resource Allocation scheme for NOMA-V2X-Femtocell with Channel Aggregation*. 2020 IEEE International Conference on Communications (ICC).

Conference Proceeding (Not Accepted)
Karasek, D. Y., Kim, J., Kemmeo, V. Y., Shin, S., Cho, S., Son, J. (Not Accepted). *SuperB: Superior Behavior-based Anomaly Detection Defining Authorized Users' Traffic Patterns*. 2020 IEEE International Conference on Communications (ICC).

Suo, Kun (Assistant Professor)

Conference Proceedings

Conference Proceeding (Not Accepted)
Suo, K. (Not Accepted). *Parallelizing Packet Processing in Container Overlay Networks via Software Interrupt Pipelining* (pp. 14). EuroSys.

Xu, Xiaohua (Assistant Professor)

Books

Book, Scholarly-New (Published)
Alam, M., Wu, T., Xu, X., He, X., Tsang, K., Rayes, A. (2019). *Editorial: Dependable wireless industrial communications*.

Refereed Journal Articles

Journal Article, Academic Journal (Accepted)
He, S., Li, Z., Zhou, J., Yin, Y., Xu, X., Chen, Y., Sun, X. (2019). A Holistic Heterogeneity-Aware Data Placement Scheme in Hybrid Parallel I/O Systems. *To appear in IEEE Transactions on Parallel and Distributed Systems*, ., Acceptance Rate: about 24%, Impact Factor: 3.402, https://ieeexplore.ieee.org/document/8880508Peer Review - Refereed

Journal Article, Academic Journal (Not Accepted)

Yang, L., Yang, D., Cao, J., Sahni, Y., Xu, X. X. (Not Accepted). QoS Guaranteed Resource Allocation for Live VM Migration in Edge Clouds. *IEEE Access*, .Peer Review - Refereed

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

Journal Article, Academic Journal (Submitted)
Chen, Y., Hu, C., Hu, W., Alam, M., Xu, X. X. (under review). Communication Security in the Internet of Vehicles based Industrial Value Chain. *IEEE Vehicular Technology Magazine*, .Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)
Desai, S., Han, M., Li, L., Li, Z., He, S., Xu, X. (2019). *Untampered Electronic Voting in Entertainment Industry: A Blockchain-based Implementation*. SIGITE 2019.Peer Review - Refereed

Conference Proceeding (Published)
Xu, X., Chen, Y., Zhao, Y., He, S., Song, H. (2019). *Delay Efficient D2D Communications Over 5G Edge-Computing Mobile Networks*. ICMIC.

Conference Proceeding (Published)
Xu, X., Zhao, Y., Zhao, D., Yang, L., Bakiras, S. (2019). *Distributed Real-time Data Aggregation Scheduling in Duty-Cycled Multi-hop Sensor Networks*. WASA.

Conference Proceeding (Published)
Xu, X., Chen, Y., He, S., Bobbie, P. (2019). *OWLS: Opportunistic Wireless Link Scheduling with SINR Constraints*. WASA.

Conference Proceeding (Published)
Xu, X., Lee, B., Chen, Y., Zhang, X. (2019). *Upper-Bounded Price of Anarchy in D2D Communications Over 5G Edge-Computing Mobile Wireless Networks*. IEEE INFOCOM IECCO.

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

Conference Proceeding (Accepted)
Hawaou, G., Buddie, A., Youdom Kemmoe, V., Simo Kaptue, J., Xu, X. (2019). *Hydroyl - Your SMART Water Bottle*. NCUR 2019.

Conference Proceeding (Accepted)
Wu, Y., Wang, R., Xu, X. (in press). *A Certificate Pin BGP Protocol: CP-BGP*. International Conference on Computer and Communication Systems.Peer Review - Refereed

Department of Information Technology

Halstead-Nussloch, R (Professor)

Books

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

Book, Textbook-New (Published)
Halstead-Nussloch, R. (2019). In Dr. Becky Rutherfoord (Ed.), *Cost-Free Educational Resources for Management of Information Technology and Human Computer Interaction. 2018. Online Textbook/Workbook*. http://ksuweb.kennesaw.edu/~rhalstea/ALG/IT4683/index.htmlEditorial Review

Book, Textbook-New (Published)
Halstead-Nussloch, R. (2019). In Dr. Lei Li (Ed.), *Information Technology Systems Acquisition and Integration. December 2018. Online Textbook/ Workbook*. http://ksuweb.kennesaw.edu/~rhalstea/ALG/IT6423/index.htmlEditorial Review

Conference Proceedings

Conference Proceeding (Published)
Halstead-Nussloch, R., Spoletini, P. (2019). On Including the Institutional Review Board Process in Undergraduate Information Technology Curricula. *Proceedings of the 20th Annual SIG Conference on Information Technology Education, SIGITE 2019, Tacoma, WA, USA, October 3-5, 2019* (pp. 103). https://doi.org/10.1145/3349266.3351348

Conference Proceeding (Published)
Halstead-Nussloch, R., Rutherfoord, R. (2019). Tips for Sources of Cost-Free and Open Educational Resources to Reduce Textbook Costs in IT Courses. *Proceedings of the 20 20th Annual C onference on Information Technology Education (SIGITE '1 9), October 3 3-5, 2019 2019, Tacoma, WA USA* (pp. 1 page). https://doi.org/10.1145/3349266.33513593349266.3351359

Conference Proceeding (Published)
Halstead-Nussloch, R., Dickson, C., Greer, K., Siddiqui, S., Tumuluri, R. D. (2019). Recursive Online Class: Advanced Web Application Class Prototypes Online Educational Resources. *Proceedings of the 2019 ACM Southeast Conference (ACMSE 2019), April 18-20, 2019, Kennesaw, GA, USA* (pp. 275-276). New York, NY: https://doi.org/10.1145/3299815.3314475.Peer Review - Refereed

Han, Meng (Assistant Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)
Liu, L., Yu, B., Han, M., Yuan, S., Wang, N. (2019). Mild cognitive impairment understanding: an empirical study by data-driven approach. *BMC bioinformatics, 20*(15), 1--13, .Peer Review - Refereed

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Li, X., Ji, S., Han, M., Ji, J., Ren, Z., Liu, Y., Wu, C. (2019). Adversarial Examples versus Cloud-based Detectors: A Black-box Empirical Study. *IEEE Transactions on Dependable and Secure Computing*, ., Impact Factor: 6.404Peer Review - Refereed

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Tang, K., Han, M., Gu, Q., Zhou, A., Beyah, R., Ji, S. (2019). ShareSafe: An Improved Version of SecGraph. *KSII Transactions on Internet and Information Systems (TIIS), 13*(11), 5731--5754, .

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He, S., Han, M., Li, Z., Patel, N. (under review). An IoT-based System of Converting Handwritten Text to Editable Format via Gesture Recognition. *IEEE Transactions on Learning Technologies*, .

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Conference Proceeding (Published)

Han, M. N., L. N. (2020). *Integrating Blockchain Technology into Healthcare*. The Annual ACM Southeast Conference.

Conference Proceeding (Published)

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

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Cho, E., Han, M. (2019). AI Powered Book Recommendation System. *Proceedings of the 2019 ACM Southeast Conference* (pp. 230--232).

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Hou, Q., Han, M. (2019). Incorporating Content Beyond Text: A High Reliable Twitter-Based Disaster Information System. *International Conference on Computational Data and Social Networks* (pp. 282--292).

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Desai, S., Han, M. (2019). Social Media Content Analytics beyond the Text: A Case Study of University Branding in Instagram. *Proceedings of the 2019 ACM Southeast Conference* (pp. 94--101).

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Vyas, J. D., Han, M. (2019). Understanding the Mobile Game App Activity. *Proceedings of the 2019 ACM Southeast Conference* (pp. 206--209).

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Li, Z., Han, M., Zheng, G. (2019). *Finding a Niche and Developing an Undergraduate Data Analytics Course.* 2019 IEEE Frontiers in Education Conference (FIE).Peer Review - Refereed

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Laufenberg, D., Li, L., Han, M., Shahriar, H. M. (2019). *An Architecture for Blockchain-based Collaborative Signature-based Intrusion Detection System.* ACM SIGITE 2109.Peer Review - Refereed

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Li, Z., Tian, S., Li, L., Yang, M., Han, M. (2019). *Practice What You Preach - Building a Capstone Management System as Undergraduate IT Capstone Projects.* SIGITE 2019.Peer Review - Refereed

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Han, M. (2019). *Using Convolutional Neural Networks To Analyze Social Media Trends For Stock Market Analysis.* Proceedings of The National Conference On Undergraduate Research (NCUR) 2019.

Conference Proceeding (Published)
Han, M., Li, Z., He, S., Tian, S. (2019). *Understand the Emerging Demands of Computing Education for Non-CS Major Students.* ACM SIGCSE 2019.Peer Review - Refereed

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

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Li, L., Laufenberg, D., Shahriar, H. M., Han, M. (in press). *Developing a Blockchain-Enabled Collaborative Intrusion Detection System: An Exploratory Study.* Future of Information and Communication Conference (FICC) 2020.Peer Review - Refereed

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Zhou, Y., Han, M., Liu, L., He, S., Gao, X. (2019). *The Adversarial Attacks Threats on Computer Vision: A Survey.* IEEE International Conference on Mobile Ad-Hoc and Smart Systems (IEEE MASS 2019).Peer Review - Refereed

Conference Proceeding (Accepted)
He, S., Bobbie, P., Han, M. (2019). *A Community-based Computational and Engineering Sciences Initiative toward National Development (COESIND).* 2019 IEEE Frontiers in Education Conference (FIE).Peer Review - Refereed

Conference Proceeding (Not Accepted)
Li, Z., Han, M., Tian, S., Yang, M., He, S. (Not Accepted). *Developing a Multidisciplinary Intro to FinTech Course: How Did It Work?.* SIGCSE2020.

Conference Proceeding (Not Accepted)
Li, Z., Han, M., Tian, S., Yang, M. (Not Accepted). *A Systematic Course Development Framework: How Did It Work for a FinTech Course?*. SIGCSE2020.

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Liu, L., Han, M., Zhou, Y., Meimandi Parizi, R. (2019). *E^2 C-Chain: A Two-Stage Incentive Education Employment and Skill Certification Blockchain* (pp. 140-147). 2019 IEEE International Conference on Blockchain (Blockchain).Peer Review - Refereed

Conference Proceeding
Walker-Holmes, M., Malaney, M., Leman, N., Efik, I., Han, M. (2019). *AI for Finance: Data Science for Financial Independence*. National Conference on Undergraduate Research.Peer Review - Refereed

Conference Proceeding
Taylor, R., Han, M. (2019). *Analyzing Changes Over Time in Personality Traits of C-Level Executives as a Predictor of Company Performance*. National Conference on Undergraduate Research.Peer Review - Refereed

Conference Proceeding
Cho, E., Han, M. (2019). *Intelligent Book Recommendation for Better Education*. National Conference on Undergraduate Research.Peer Review - Refereed

Conference Proceeding
He, M., Han, M. (2019). *Study of the Schools and their Surroundings with AI Technology*. National Conference on Undergraduate Research.Peer Review - Refereed

Other Intellectual Contributions

Technical Report (Published)
Akkineni, S., Han, M. (2019). *C-Day: BlockChain Drug Couterfeit*.

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

Cited Research (Accepted)
Zhou, Y., Han, M., Liu, L., He, S. (2019). *Implement Convolutional Embedding Feature to Detect Time Series Abnormal Activity in Edge Computing Environment*. Southern Data Science 2019.Peer Review - Refereed

Working Paper (Working Paper)
Tian, S., Han, M., Li, L. (Working Paper). *Enhancing the Pharmaceutical Supply Chain with Blockchain and Edge Computing*.

Li, Lei (Professor)

Book Chapters

Book, Chapter in Scholarly Book-New (Published)
Zheng, G., Li, Z., Li, L., Rutherfoord, R. (2019). *Transformation at Scale: A Departmental Effort to Adopt and Develop IT Open Educational Resources*. IGI Global.Editorial Review

Conference Proceedings

Conference Proceeding (Published)

Laufenberg, D., Li, L., Han, M., Shahriar, H. M. (2019). *An Architecture for Blockchain-based Collaborative Signature-based Intrusion Detection System*. ACM SIGITE 2109.Peer Review - Refereed

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Li, Z., Tian, S., Li, L., Yang, M., Han, M. (2019). *Practice What You Preach - Building a Capstone Management System as Undergraduate IT Capstone Projects*. SIGITE 2019.Peer Review - Refereed

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Li, L., Laufenberg, D., Shahriar, H. M., Han, M. (in press). *Developing a Blockchain-Enabled Collaborative Intrusion Detection System: An Exploratory Study*. Future of Information and Communication Conference (FICC) 2020.Peer Review - Refereed

Li, Zhigang (Assistant Professor)

Book Chapters

Book, Chapter in Scholarly Book-New (Published)

Zheng, G., Li, Z., Li, L., Rutherfoord, R. (2019). *Transformation at Scale: A Departmental Effort to Adopt and Develop IT Open Educational Resources*. IGI Global.Editorial Review

Refereed Journal Articles

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Yang, M., Li, Z., Xie, Y. (2020). Improvement of Decision on Coding Unit Split Mode and Intra-Picture Prediction by Machine Learning. *International Journal of Mobile Computing and Multimedia Communications (IJMCMC)*, .Peer Review - Refereed

Non-Refereed Journal Articles

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Conference Proceeding (Published)
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Han, M., Li, Z., He, S., Tian, S. (2019). *Understand the Emerging Demands of Computing Education for Non-CS Major Students.* ACM SIGCSE 2019.Peer Review - Refereed

Conference Proceeding (Not Accepted)
Li, Z., Han, M., Tian, S., Yang, M., He, S. (Not Accepted). *Developing a Multidisciplinary Intro to FinTech Course: How Did It Work?.* SIGCSE2020.

Conference Proceeding (Not Accepted)
Li, Z., Han, M., Tian, S., Yang, M. (Not Accepted). *A Systematic Course Development Framework: How Did It Work for a FinTech Course?.* SIGCSE2020.

Peltsverger, Svetlana (Professor)

Conference Proceedings

Conference Proceeding (Published)
Geissler, M., Tang, C., Peltsverger, S. B., Preuss, T. (2019). Adapting the IT2017 Curricula for Two Year Transfer Programs: Determining the Optimal Level of Curricular Guidance. *Proceedings of the 20th Annual SIG Conference on Information Technology Education* (pp. 124--125). New York, NY, USA: ACM. http://doi.acm.org/10.1145/3349266.3351395

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Peltsverger, S. B., Debnath, S. (2019). Instructional Pseudocode Guide to Teach Problem-Solving. *Proceedings of the 2019 ACM Conference on Innovation and Technology in Computer Science Education* (pp. 319--319). New York, NY, USA: ACM. http://doi.acm.org/10.1145/3304221.3325581

Pouriyeh, Seyedamin (Assistant Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)
Pouriyeh, S., Allahyari, M., Kochut, K. (2019). Combining semantic graph and probabilistic topic models for discovering coherent topics. *International Journal of Web Intelligence*, .,

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Pouriyeh, S., Allahyari, M., Liu, Q., Cheng, G., Arabnia, H. R., Atzori, M., Kochut, K. (2019).
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Conference Proceedings

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Pouriyeh, S., Allahyari, M., Cheng, G., Arabnia, H. R., Atzori, M., Kochut, K. (2019). *R-LDA:
Profiling RDF datasets using Knowledge-based Topic Modeling*. 13th IEEE International
Conference on   Semantic Computing. https://www.ieee-icsc.org/Peer Review - Refereed

Rutherfoord, Rebecca (Professor)

Book Chapters

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Zheng, G., Li, Z., Li, L., Rutherfoord, R. (2019). *Transformation at Scale: A Departmental
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Conference Proceedings

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Halstead-Nussloch, R., Rutherfoord, R. (2019). Tips for Sources of Cost-Free and Open
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Other Intellectual Contributions

Proposal for the MS Cybersecurity (Submitted)
Rutherfoord, R. (under review). *Board of Regents Proposal for New Programs*.

Shahriar, Hossain (Associate Professor)

Book Chapters

Book, Chapter in Scholarly Book-New (Published)
Qu, F., Haddad, H., Shahriar, H. M. (2019). Application of Blockchain and Smart Contract:
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Bertino (Ed.), *Book Titled: Essentials of Blockchain Technology* (pp. 121-140). CRC
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feiyang+qu+blockchain&ots=rAndye_yW6&sig=biA5Q_aPIXHC4-pu2h0h7EUg8n0#v=on
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Book, Chapter in Scholarly Book-New (Published)

Talukder, A., Shahriar, H., Haddad, H. (2019). Point-of-Sale Device Attacks and Mitigation Approaches for Cyber-Physical Systems. *Cybersecurity and Privacy in Cyber Physical Systems* (pp. 368-383). CRC Press:. https://books.google.com/books?id=PVOWDwAAQBAJ&lpg=PA367&ots=smB-EmJqLK& dq=info%3AiPKKaAphYiYJ%3Ascholar.google.com&lr&pg=PA367#v=onepage&q&f=fals ePeer Review - Refereed

Refereed Journal Articles

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Shahriar, H. M., Zhang, C., Dunn, S., Bronte, R., Shalan, A., Tarmissi, K. (2019). Mobile anti-phishing: Approaches and challenges. *INFORMATION SECURITY JOURNAL: A GLOBAL PERSPECTIVE*, 1-16, .Peer Review - Refereed

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Carter, G., Shahriar, H. M., Sneha, S., Nasr, J., Z, B. (Published). Voice Biometrics and Blockchain: Secure Interoperable Data Exchange for Healthcare. *Blockchain in Healthcare Today*, .Peer Review - Refereed

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Carter, G., White, D., Nalla, A., Sneha, S., Shahriar, H. M. (2019). Toward Application of Blockchain for Improved Health Records Management and Patient Care. *Blockchain in Healthcare Today, February, 2019*, 1-12, .Peer Review - Refereed

Journal Article, Academic Journal (Accepted)
Whitley, P., Shahriar, H., Sneha, S. (2020). Impact of Health Information Technologies on the Quality of Healthcare Deliveries. *To appear in International Journal of Applied Research on Public Health Management*, ., https://www.igi-global.com/journal/international-journal-applied-research-public/214902Pe er Review - Refereed

Non-Refereed Journal Articles

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Carter, G., Chevalliru, B., Shahriar, H. M., Sneha, S. (under review). OpenPharma Blockchain on FHIR (OBF): A Framework for Interoperable EMR Systems Using Biometrics and Blockchain. *CAIS*, .

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Shahriar, H. M., Whitman, M., Lo, D. C.-T., Wu, F., Thomas, C., Cuzzocrea, A. (2019). *Experiential Learning: Case Study-based Portable Hands-on Regression Labware for Cyber Fraud Prediction* (pp. 5). IEEE: IEEE Big Data 2019 - PSBD Workshop.Peer Review - Refereed

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Shahriar, H. M., Zhang, C. (2019). *Design and Development of Hands-on EHR Usability Analysis through Open Source Tools and Free Resources*. Proceedings of the EDSIG Conference. http://proc.iscap.info/2019/pdf/4967.pdfPeer Review - Refereed

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Zhang, C., Shahriar, H. M. (2019). *Redeveloping Electronic Health Records Course with Open Source Tools and Platforms*. Proceedings of the 20th Annual SIG Conference on Information Technology Education.

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Shahriar, H. M., Talukder, A., Islam, S. (2019). *An Exploratory Analysis of Mobile Security Tools* (pp. 16). Conference on Cybersecurity Education, Research and Practice.Peer Review - Refereed

Conference Proceeding (Published)
Shahriar, H. M., Islam, K., Talukder, A., Zhang, H., Li, Z. (2019). *Automatic Security Bug Detection with FindSecurityBugs Plugin* (pp. 11). Conference on Cybersecurity Education, Research and Practice.

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Laufenberg, D., Li, L., Han, M., Shahriar, H. M. (2019). *An Architecture for Blockchain-based Collaborative Signature-based Intrusion Detection System*. ACM SIGITE 2109.Peer Review - Refereed

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Shahriar, H. M., Talukder, A., Chi, H., Rahman, M., Ahamed, S., Shalan, A., Tarmissi, K. (2019). *Data Protection Labware for Mobile Security* (pp. 183-195). Springer: International Conference on Security, Privacy and Anonymity in Computation, Communication and Storage. https://link.springer.com/chapter/10.1007/978-3-030-24907-6_15Peer Review - Refereed

Conference Proceeding (Published)
Shahriar, H. M., Talukder, A., Rahman, M., Chi, H., Ahamed, S., Wu, F. (2019). *Hands-on File Inclusion Vulnerablity and Proactive Control for Secure Software Development* (pp. 604-609). IEEE: 2019 IEEE 43rd Annual Computer Software and Applications Conference (COMPSAC).Peer Review - Refereed

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Bornelus, B., Chi, H., Shahriar, H. M. (2019). In Marcus Rogers, Purdue University, USA (Ed.), *A Novel Framework To Teach Hands-On Laboratory Exercises in Blockchains* (2nd ed., vol. 9, pp. 8). Journal of Digital Forensics, Security and Law. https://www.jdfsl.org/Peer Review - Refereed

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Carter, G., Shahriar, H. M., Sneha, S. (2019). *Blockchain-Based Interoperable Electronic Health Record Sharing Framework* (pp. 452-457). IEEE: 2019 IEEE 43rd Annual Computer Software and Applications Conference (COMPSAC).Peer Review - Refereed

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Talukder, A., Shahriar, H. M., Qian, K., Rahman, M., Ahamed, S., Wu, F., Agu, E. (2019). *DroidPatrol: A Static Analysis Plugin For Secure Mobile Software Development* (pp. 565-569). IEEE: 2019 IEEE 43rd Annual Computer Software and Applications Conference (COMPSAC).Peer Review - Refereed

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Zhang, H., Li, Z., Shahriar, H. M., Tao, L., Bhattacharya, P., Qian, Y. (2019). *Improving Prediction Accuracy for Logistic Regression on Imbalanced Datasets* (pp. 918-919). IEEE: 2019 IEEE 43rd Annual Computer Software and Applications Conference (COMPSAC).Peer Review - Refereed

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Zhang, H., Li, Z., Shahriar, H., Lo, D. C.-T., Wu, F., Qian, Y. (2019). *Protecting Data in Android External Data Storage* (pp. 924-925). IEEE: 2019 IEEE 43rd Annual Computer Software and Applications Conference (COMPSAC).Peer Review - Refereed

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Shahriar, H. M., Qian, K., Talukder, M. A. I., Lo, D. C.-T. (2019). *DroidPatrol: A Static Analysis Plugin For Secure Mobile Software Development*. IEEE COMPSAC.

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Shahriar, H. M., Shalan, A., Tarmissi, K. (2019). *Towards Secure Password Protection in Portable Applications*. National Cyber Summit.Peer Review - Refereed

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Conference Proceeding (Published)
Vinaykuman, S., Zhang, C., Shahriar, H. (2019). *Security and Privacy of Electronic Medical Records* (pp. 1-6). Proceedings of the Southern Association for Information Systems Conference. https://aisel.aisnet.org/cgi/viewcontent.cgi?article=1028&context=sais2019Peer Review - Refereed

Conference Proceeding (Published)

Shahriar, H. M., Qian, K., Talukder, M. A. I., Meimandi Parizi, R. (2019). *Data Protection with SMSD Labware* (pp. 1262--1262). New York, NY, USA: Proceedings of the 50th ACM Technical Symposium on Computer Science Education. http://doi.acm.org/10.1145/3287324.3293785Peer Review - Refereed

Conference Proceeding (Published)
Sinclair, D., Shahriar, H. M., Zhang, C. (2019). *Security Requirement Prototyping with Hyperledger Composer for Drug Supply Chain – A Blockchain Application* (pp. 158-163). ACM: Proceedings of the 3rd International Conference on Cryptography, Security and Privacy (ICCSP 2019). http://www.iccsp.org/Peer Review - Refereed

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Masum, M., Shahriar, H. (2019). *Droid-NNet: Deep Learning Neural Network for Android Malware Detection* (pp. 5). IEEE: IEEE Big Data.Peer Review - Refereed

Conference Proceeding (Accepted)
Li, L., Laufenberg, D., Shahriar, H. M., Han, M. (in press). *Developing a Blockchain-Enabled Collaborative Intrusion Detection System: An Exploratory Study*. Future of Information and Communication Conference (FICC) 2020.Peer Review - Refereed

Tian, Shirley (Assistant Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)
He, W., Ash, I., Anwar, M., Li, L., Xu, L., Yuan, X., Tian, S. (2019). Improving Employees' Intellectual Capacity For Cybersecurity Through Evidence-Based Malware Training. *Journal of Intellectual Capital*, ., Impact Factor: 3.744Peer Review - Refereed

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Tian, S., He, W., Tang, C., Li, L., Xu, H., Selover, D. (2019). A New Approach of Social Media Analytics to Predict Service Quality: Evidence from the Airline Industry. *Journal of Enterprise Information Management, 33*(1), 51-70, ., Impact Factor: 2.126Peer Review - Refereed

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He, W., Tian, S., Wang, F.-K. (2019). Innovating the customer loyalty program with social media: A case study of best practices using analytics tools. *To appear in Journal of Enterprise Information Management*, ., Impact Factor: 2.482Peer Review - Refereed

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He, W., Tian, S. (under review). Investigating and Discerning the Evolving Security Attacks on Digital Banking. *Electrical Markets*, ., Impact Factor: 3.818Peer Review - Refereed

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Pribesh, S., He, W., Watson, S., Major, D., Xu, L., Li, L., Tian, S., Gorkhali, A. PAIR PROGRAMMING WITH STUDENTS WITH LEARNING DISABILITIES: A PRELIMINARY STUDY OF SITUATIONAL MOTIVATION. *Information and Software Technology*, .Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)
Liu, S., He, W., Tian, S. (2019). *Research on Security Visualization: A Survey*. IACIS 2019.Peer Review - Refereed

Conference Proceeding (Published)
Han, M., Li, Z., He, S., Tian, S. (2019). *What are the Non-majors Looking for in CS Classes?*. 2019 IEEE Frontiers in Education Conference (FIE).Peer Review - Refereed

Conference Proceeding (Published)
Li, Z., Tian, S., Li, L., Yang, M., Han, M. (2019). *Practice What You Preach - Building a Capstone Management System as Undergraduate IT Capstone Projects*. SIGITE 2019.Peer Review - Refereed

Conference Proceeding (Published)
Han, M., Li, Z., He, S., Tian, S. (2019). *Understand the Emerging Demands of Computing Education for Non-CS Major Students*. ACM SIGCSE 2019.Peer Review - Refereed

Conference Proceeding (Published)
Pribesh, S., He, W., Watson, S., Major, D., Xu, L., Li, L., Tian, S., Gorkhali, A., He, Y. (2019). *Students with Learning Disabilities, Pair Programming And Situational Motivation*. SITE 2019 - The Society for Information Technology & Teacher Education.Peer Review - Refereed

Conference Proceeding (Accepted)
He, W., Xu, L., Tian, S., Yuan, X., Yang, L., Ellis, J. (2019). *The Impact of Guided Inquiry Collaborative Learning on Students' Learning in Secure Coding*. 2019 AECT International Convention. https://convention2.allacademic.com/one/aect/aect19/Peer Review - Refereed

Conference Proceeding (Accepted)
He, W., Anwar, M., Ash, I., Li, L., Yuan, X., Xu, L., Tian, S. (2019). *Effects of Evidence-Based Malware Cybersecurity Training on Employees*. AMCIS 2019.Peer Review - Refereed

Conference Proceeding (Accepted)
Tian, S., He, W., Wen, Q., Zhang, W. (in press). *Understanding The Vulnerable Community Through Social Network Analytics And Text Mining*. INFORMS 2019.Peer Review - Refereed

Conference Proceeding (Accepted)

Tian, S. (2019). *Bilingual Analysis of Online Hotel Reviews: A Case Study*. 10th International Conference on Social Media & Society.Peer Review - Refereed

Conference Proceeding (Not Accepted)
Li, Z., Han, M., Tian, S., Yang, M., He, S. (Not Accepted). *Developing a Multidisciplinary Intro to FinTech Course: How Did It Work?*. SIGCSE2020.

Conference Proceeding (Not Accepted)
Li, Z., Han, M., Tian, S., Yang, M. (Not Accepted). *A Systematic Course Development Framework: How Did It Work for a FinTech Course?*. SIGCSE2020.

Conference Proceeding (Not Accepted)
Tian, S., He, W., Wen, Q., Zhang, W. (Not Accepted). *Understanding the Vulnerable Community Through Social Network Analytics*. AMCIS 2019.Peer Review - Refereed

Conference Proceeding (Not Accepted)
Liu, S., He, W., Tian, S. (Not Accepted). *Research on Security Visualization: A Survey*. ACMSE 2019.Peer Review - Refereed

Other Intellectual Contributions

Working Paper (Working Paper)
Tian, S., Han, M., Li, L. (Working Paper). *Enhancing the Pharmaceutical Supply Chain with Blockchain and Edge Computing*.

Xie, Ying (Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)
Le, L., Xie, Y. (2019). Deep Embedding Kernel. *Neurocomputing, 339*, ., Impact Factor: 4.072Peer Review - Refereed

Journal Article, Academic Journal (Submitted)
Yang, M., Li, Z., Xie, Y. (2020). Improvement of Decision on Coding Unit Split Mode and Intra-Picture Prediction by Machine Learning. *International Journal of Mobile Computing and Multimedia Communications (IJMCMC)*, .Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)
Vanderheyden, B., Xie, Y., Rachumallu, M. (2019). *Net Promoter Sentiment Classifier Using OHPL-ALL*. Proceedings of 2019 IEEE International Conference on Big Data.

Conference Proceeding (Published)
Boardman, J. W., Xie, Y. (2019). *Radically Simplifying Gated Recurrent Architectures Without Loss of Performance*. Proceedings of 2019 IEEE International Conferences on Big Data.

Conference Proceeding (Published)
James, R., Jin, M., Xie, Y., Le, L. (2019). *Link Prediction Based Minimum Cost and Balanced Partition of Large Online Social Networks*. Proceedings of the 18th IEEE International Symposium on Network Computing and Applications (NCA 2019).

Conference Proceeding (Published)

Teto, J. K., Xie, Y. (2019). *Automatically identifying of animals in the wilderness: comparative studies between CNN and C-Capsule Network.* ACM: Proceedings of the 2019 International Conference on Compute and Data Analysis.

Yang, Ming (Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Submitted)
Yang, M., Li, Z., Xie, Y. (2020). Improvement of Decision on Coding Unit Split Mode and Intra-Picture Prediction by Machine Learning. *International Journal of Mobile Computing and Multimedia Communications (IJMCMC)*, .Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)
Li, Z., Tian, S., Li, L., Yang, M., Han, M. (2019). *Practice What You Preach - Building a Capstone Management System as Undergraduate IT Capstone Projects.* SIGITE 2019.Peer Review - Refereed

Conference Proceeding (Published)
Rahman, M., Stancil, R., McCutchen, J., McKinney, J., Peacock, J., Bowers, R., Yang, M., Tseng, T.-T. (2019). *PACKAGING METHOD TO ASSIST IN THE DISTRIBUTION AND EXECUTION OF BIOINFORMATICS SOFTWARE.*

Conference Proceeding (Not Accepted)
Li, Z., Han, M., Tian, S., Yang, M., He, S. (Not Accepted). *Developing a Multidisciplinary Intro to FinTech Course: How Did It Work?.* SIGCSE2020.

Conference Proceeding (Not Accepted)
Li, Z., Han, M., Tian, S., Yang, M. (Not Accepted). *A Systematic Course Development Framework: How Did It Work for a FinTech Course?.* SIGCSE2020.

Zhang, Chi (Associate Professor)

Refereed Journal Articles

Journal Article, Academic Journal (Published)
Shahriar, H. M., Zhang, C., Dunn, S., Bronte, R., Shalan, A., Tarmissi, K. (2019). Mobile anti-phishing: Approaches and challenges. *INFORMATION SECURITY JOURNAL: A GLOBAL PERSPECTIVE*, 1-16, .Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Published)
Shahriar, H. M., Zhang, C. (2019). *Design and Development of Hands-on EHR Usability Analysis through Open Source Tools and Free Resources.* Proceedings of the EDSIG Conference. http://proc.iscap.info/2019/pdf/4967.pdfPeer Review - Refereed

Conference Proceeding (Published)
Zhang, C., Shahriar, H. M. (2019). *Redeveloping Electronic Health Records Course with Open Source Tools and Platforms.* Proceedings of the 20th Annual SIG Conference on Information Technology Education.

Conference Proceeding (Published)
Kim, L., Shahriar, H. M., Zhang, C. (2019). *Non-Invasive Wi-Fi Sensors For Smart Healthcare* (pp. 440-445). IEEE: 2019 IEEE 43rd Annual Computer Software and Applications Conference (COMPSAC).Peer Review - Refereed

Conference Proceeding (Published)
Shahriar, H. M., Zhang, C., Talukder, M. A. I., Ahamed, S. (2019). *Resources For Healthcare Workflow Modeling and Analysis* (pp. 2469-2472). ACM Symposium of Applied Computing (SAC). https://www.sigapp.org/sac/sac2019/Peer Review - Refereed

Conference Proceeding (Published)
Vinaykuman, S., Zhang, C., Shahriar, H. (2019). *Security and Privacy of Electronic Medical Records* (pp. 1-6). Proceedings of the Southern Association for Information Systems Conference.
https://aisel.aisnet.org/cgi/viewcontent.cgi?article=1028&context=sais2019Peer Review - Refereed

Conference Proceeding (Published)
Sinclair, D., Shahriar, H. M., Zhang, C. (2019). *Security Requirement Prototyping with Hyperledger Composer for Drug Supply Chain – A Blockchain Application* (pp. 158-163). ACM: Proceedings of the 3rd International Conference on Cryptography, Security and Privacy (ICCSP 2019). http://www.iccsp.org/Peer Review - Refereed

Other Intellectual Contributions

Panel (Published)
Greenberg, H., Bogaard, D., Jin, K., Zhang, C. (2019). *Panel: Increasing Female Enrollment and Retention for Computing Degrees*. ACM SIGITE '19.
https://dl.acm.org/doi/pdf/10.1145/3349266.3351397Peer Review - Refereed

Zheng, Jack (Associate Professor)

Book Chapters

Book, Chapter in Scholarly Book-New (Published)
Zheng, G., Li, Z., Li, L., Rutherfoord, R. (2019). *Transformation at Scale: A Departmental Effort to Adopt and Develop IT Open Educational Resources*. IGI Global.Editorial Review

Conference Proceedings

Conference Proceeding (Published)
Li, Z., Han, M., Zheng, G. (2019). *Finding a Niche and Developing an Undergraduate Data Analytics Course*. 2019 IEEE Frontiers in Education Conference (FIE).Peer Review - Refereed

Department of Software Engineering and Game Development

Franklin, Michael (Assistant Professor)

Conference Proceedings

Conference Proceeding (Published)
Franklin, D. M. (2019). In Springer (Ed.), *Approximation Algorithms for Real-time Homeomorphic and Isomorphic Tree Matching*. Communications in Computer and Information Science Series(CCIS).Peer Review - Refereed

Conference Proceeding (Published)
Franklin, D. M. (2019). *Hierarchical Modeling for Strategy-based Multi-Agent Multi-Team Systems*. Washington D.C.: IEEE Proceedings from International Conference on Artificial Intelligence and Knowledge Engineering.Peer Review - Refereed

Conference Proceeding (Published)
Franklin, D. M. (2019). *Strategic Hierarchical Modeling and Simulation of Real-world Systems*. Oxford: Proceedings from International Conference on Digital Image & Signal Processing.

Conference Proceeding (Published)
Franklin, D. M., Martin, D. (2019). *eSense 2.0: Modeling Multi-agent Biomimetic Predation with Multi-layered Reinforcement Learning*. Cham: Springer.Peer Review - Refereed

Conference Proceeding (Published)
Franklin, D. M. (2019). *Hierarchical Modeling for Strategy-Based Multi-agent Multi-team Systems*. Cham: Springer.Peer Review - Refereed

Guo, Rongkai (Assistant Professor)

Conference Proceedings

Conference Proceeding (Accepted)
Isaza, M., Zhang, J., Kim, K., Mei, C., Guo, R. (in press). *Mono-Stereoscopic Camera in a Virtual Reality Environment: Case Study in Cybersickness*. In 2019 11th International Conference on Virtual Worlds and Games for Serious Applications (VS-Games).

Conference Proceeding (Accepted)
Kim, K., Patel, D., Murphy, N., Guo, R. (in press). *Exploring Virtual and Mixed Reality Environments as Mobility Assistance for People with Visual Impairments*. 2019 The First IEEE VR Workshop on Smart Work Technologies.

Conference Proceeding (Accepted)
Rosengrant, D., Patel, D., Guo, R. (in press). *Pre-Service Elementary Teachers Using Augmented Reality to Learn about Force and Motion*. International Society for Technology in Education Conference Proceedings.

Conference Proceeding (Submitted)
Kim, K., Patel, D., Murphy, N., Guo, R. (under review). *Comparison of Traditional and Mixed/Virtual Navigation Training for People with Visual Impairments*. 25th ACM Symposium on Virtual Reality Software and Technology.

Huang, Yan (Assistant Professor)

Non-Refereed Journal Articles

Journal Article, Academic Journal (Not Accepted)
Huang, Y., Li, W., Cai, Z., Bourgeois, A. G. (Not Accepted). Privacy Protection among Three Antithetic-Parties for Wearable Healthcare. *ACM Transactions on Computing for Healthcare*, .

Conference Proceedings

Conference Proceeding (Published)
He, Z., Huang, Y. (2019). Tracking Histogram of Attributes over Private Social Data in Data Markets. In Li, Yingshu; Cardei, Mihaela; Huang, Yan (Ed.), *Combinatorial Optimization and Applications* (pp. 277--288). Cham: Springer International Publishing.

Mei, Chao (Assistant Professor)

Conference Proceedings

Conference Proceeding (Accepted)
Isaza, M., Zhang, J., Kim, K., Mei, C., Guo, R. (in press). *Mono-Stereoscopic Camera in a Virtual Reality Environment: Case Study in Cybersickness*. In 2019 11th International Conference on Virtual Worlds and Games for Serious Applications (VS-Games).

Meimandi Parizi, Reza (Assistant Professor)

Book Chapters

Book, Chapter in Scholarly Book-New (Published)
Bahrami, P. N., Dehghantanha, A., Dargahi, T., Meimandi Parizi, R., Choo, K.K. R., Javadi, H. H., Wang, L., Xhafa, F., Ren, W. (2019). A layered security architecture based on cyber kill chain against advanced persistent threats. *Security and Privacy for Big Data, Cloud Computing and Applications* (pp. 135-155). IET. https://digital-library.theiet.org/content/books/10.1049/pbpc028e_ch7Peer Review - Refereed

Book, Chapter in Scholarly Book-New (Published)
HosseiniNejad, R., HaddadPajouh, H., Dehghantanha, A., Meimandi Parizi, R. (2019). A Cyber Kill Chain Based Analysis of Remote Access Trojans. In Dehghantanha, Ali; Choo, Kim-Kwang Raymond (Ed.), *Handbook of Big Data and IoT Security* (pp. 273--299). Cham: Springer International Publishing. https://doi.org/10.1007/978-3-030-10543-3_12Peer Review - Refereed

Book, Chapter in Scholarly Book-New (Published)
Asim, M., McKinnel, D. R., Dehghantanha, A., Meimandi Parizi, R., Hammoudeh, M., Epiphaniou, G. (2019). Big Data Forensics: Hadoop Distributed File Systems as a Case Study. In Dehghantanha, Ali; Choo, Kim-Kwang Raymond (Ed.), *Handbook of Big Data and IoT Security* (pp. 179--210). Cham: Springer International Publishing. https://doi.org/10.1007/978-3-030-10543-3_8Peer Review - Refereed

Book, Chapter in Scholarly Book-New (Published)
Nagrabski, K., Hopkins, M., Petraityte, M., Dehghantanha, A., Meimandi Parizi, R., Epiphaniou, G., Hammoudeh, M. (2019). Distributed Filesystem Forensics: Ceph as a

Case Study. In Dehghantanha, Ali; Choo, Kim-Kwang Raymond (Ed.), *Handbook of Big Data and IoT Security* (pp. 129--151). Cham: Springer International Publishing. https://doi.org/10.1007/978-3-030-10543-3_6Peer Review - Refereed

Book, Chapter in Scholarly Book-New (Published)
Teing, Y.-Y., Homayoun, S., Dehghantanha, A., Choo, K.-K., Meimandi Parizi, R., Hammoudeh, M., Epiphaniou, G. (2019). Private Cloud Storage Forensics: Seafile as a Case Study. In Dehghantanha, Ali; Choo, Kim-Kwang Raymond (Ed.), *Handbook of Big Data and IoT Security* (pp. 73--127). Cham: Springer International Publishing. https://doi.org/10.1007/978-3-030-10543-3_5Peer Review - Refereed

Book, Chapter in Scholarly Book-New (Published)
Meimandi Parizi, R., Dehghantanha, A., Choo, K.-K., Hammoudeh, M., Epiphaniou, G. (2019). Security in Online Games: Current Implementations and Challenges. In Dehghantanha, Ali; Choo, Kim-Kwang Raymond (Ed.), *Handbook of Big Data and IoT Security* (pp. 367--384). Cham: Springer International Publishing. https://doi.org/10.1007/978-3-030-10543-3_16Peer Review - Refereed

Refereed Journal Articles

Journal Article, Academic Journal (Published)
Alladi, T., Chamola, V., Meimandi Parizi, R., Choo, K. R. (2019). Blockchain Applications for Industry 4.0 and Industrial IoT: A Review. *IEEE Access, 7*, 176935-176951, .Peer Review - Refereed

Journal Article, Academic Journal (Published)
N. Jahromi, A., Hashemi, S., Dehghantanha, A., Choo, K.-K., Karimipour, H., Newton, D. E., Meimandi Parizi, R. (2019). An Improved Two-Hidden-Layer Extreme Learning Machine for Malware Hunting. *Computers & Security*, 101655, ., http://www.sciencedirect.com/science/article/pii/S0167404819301981Peer Review - Refereed

Journal Article, Academic Journal (Published)
Zhu, X., Srivastava, G., Meimandi Parizi, R. (2019). An Efficient Encryption Algorithm for the Security of Sensitive Private Information in Cyber-Physical Systems. *Electronics, 8*(11), ., https://www.mdpi.com/2079-9292/8/11/1220Peer Review - Refereed

Journal Article, Academic Journal (Published)
Nikkhah Bahrami, P., Dehghantanha, A., Dargahi, T., Meimandi Parizi, R., Choo, K.-K., H. S. Javadi, H. (2019). Cyber Kill Chain-Based Taxonomy of Advanced Persistent Threat Actors: Analogy of Tactics, Techniques, and Procedures. *Journal of Information Processing Systems*, .Peer Review - Refereed

Journal Article, Academic Journal (Published)
Sakhnini, J., Karimipour, H., Dehghantanha, A., Meimandi Parizi, R., Srivastava, G. (2019). Security aspects of Internet of Things aided smart grids: A bibliometric survey. *Internet of Things*, 100111, ., http://www.sciencedirect.com/science/article/pii/S2542660519302148Peer Review - Refereed

Journal Article, Academic Journal (Published)
Yazdinejad, A., Meimandi Parizi, R., Dehghantanha, A., Choo, K.K.R (2019). Blockchain-enabled Authentication Handover with Efficient Privacy Protection in SDN-based 5G Networks. *IEEE Transactions on Network Science and Engineering*, 1-1, .Peer Review - Refereed

Journal Article, Academic Journal (Published)
Karimipour, H., Dehghantanha, A., Meimandi Parizi, R., Choo, K.K.R., Leung, H. (2019). A Deep and Scalable Unsupervised Machine Learning System for Cyber-Attack Detection in Large-Scale Smart Grids. *IEEE Access, 7*, 80778-80788, .Peer Review - Refereed

Journal Article, Academic Journal (Published)
Marahatta, A., Pirbhulal, S., Zhang, F., Meimandi Parizi, R., Choo, K. R., Liu, Z. (2019). Classification-based and Energy-Efficient Dynamic Task Scheduling Scheme for Virtualized Cloud Data Center. *IEEE Transactions on Cloud Computing*, 1-1, .Peer Review - Refereed

Journal Article, Academic Journal (Published)
Modiri Dovom, E., Azmoodeh, A., Dehghantanha, A., Newton, D. E., Meimandi Parizi, R., Karimipour, H. (2019). Fuzzy pattern tree for edge malware detection and categorization in IoT. *Journal of Systems Architecture, 97*, 1 - 7, ., http://www.sciencedirect.com/science/article/pii/S1383762118305265Peer Review - Refereed

Journal Article, Academic Journal (Published)
Taylor, P. J., Dargahi, T., Dehghantanha, A., Meimandi Parizi, R., Choo, K.-K. (2019). A systematic literature review of blockchain cyber security. *Digital Communications and Networks*, ., http://www.sciencedirect.com/science/article/pii/S2352864818301536Peer Review - Refereed

Journal Article, Academic Journal (Published)
Kumari, A., Tanwar, S., Tyagi, S., Kumar, N., Meimandi Parizi, R., Choo, K.-K. (2019). Fog data analytics: A taxonomy and process model. *Journal of Network and Computer Applications, 128*, 90 - 104, ., http://www.sciencedirect.com/science/article/pii/S1084804518304016Peer Review - Refereed

Journal Article, Academic Journal (Published)
Taylor, D.C. P. J., Mwiki, H., Dehghantanha, A., Akibini, A., Choo, K.-K., Hammoudeh, M., Meimandi Parizi, R. (2019). Forensic investigation of cross platform massively multiplayer online games: Minecraft as a case study. *Science & Justice, 59*(3), 337 - 348, ., http://www.sciencedirect.com/science/article/pii/S1355030618301485Peer Review - Refereed

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)
HaddadPajouh, H., Dehghantanha, A., Meimandi Parizi, R., Aledhari, M., Karimipour, H. (2019). A Survey on Internet of Things Security: Requirements, Challenges, and Solutions. *Internet of Things*, 100129, ., http://www.sciencedirect.com/science/article/pii/S2542660519302288

Conference Proceedings

Conference Proceeding (Published)
Yazdinejad, A., Meimandi Parizi, R., Srivastava, G., Dehghantanha, A., Choo, K.-K. (2019). *Energy Efficient Decentralized Authentication in Internet of Underwater Things using Blockchain* (pp. 1-6). 2019 IEEE Global Communications Conference (Globecom).Peer Review - Refereed

Conference Proceeding (Published)

Johnson, J., Lo, D. C.-T., Meimandi Parizi, R. (2019). *The Effectiveness of Learning Trees on Network Intrusion Detection*. Los Angeles, CA: The 6th International Workshop on Privacy and Security of Big Data (PSBD 2019), associated with IEEE BigData 2019.Peer Review - Refereed

Conference Proceeding (Published)
Aledhari, M., Meimandi Parizi, R., Dehghantanha, A., Choo, K.-K. (2019). *A Hybrid RSA Algorithm in Support of IoT Greenhouse Applications* (pp. 1-8). 2019 IEEE International Conference on Industrial Internet (IEEE ICII 2019).Peer Review - Refereed

Conference Proceeding (Published)
Srivastava, G., Meimandi Parizi, R., Dehghantanha, A., Choo, K.-K. (2019). *Data Sharing and Privacy for Patient IoT Devices Using Blockchain* (pp. 334--348). The 7th International Conference on Smart City and Informatization.Peer Review - Refereed

Conference Proceeding (Published)
Homayoun, S., Dehghantanha, A., Meimandi Parizi, R., Choo, K.K.R (2019). *A Blockchain-based Framework for Detecting Malicious Mobile Applications in App Stores* (pp. 1-4). 2019 IEEE Canadian Conference of Electrical and Computer Engineering (CCECE).Peer Review - Refereed

Conference Proceeding (Published)
Binti A Kamaludeen, N., Lee, S. P., Meimandi Parizi, R. (2019). *Guideline-Based Approach for IoT Home Application Development* (pp. 929-936). 2019 International Conference on Internet of Things (iThings) and IEEE Green Computing and Communications (GreenCom) and IEEE Cyber, Physical and Social Computing (CPSCom) and IEEE Smart Data (SmartData).Peer Review - Refereed

Conference Proceeding (Published)
Meimandi Parizi, R., Homayoun, S., Yazdinejad, A., Dehghantanha, A., Choo, K.K.R (2019). *Integrating Privacy Enhancing Techniques into Blockchains Using Sidechains* (pp. 1-4). 2019 IEEE Canadian Conference of Electrical and Computer Engineering (CCECE).Peer Review - Refereed

Conference Proceeding (Published)
Nyaletey, E., Meimandi Parizi, R., Zhang, Q., Choo, K.-K. (2019). *BlockIPFS - Blockchain-Enabled Interplanetary File System for Forensic and Trusted Data Traceability* (pp. 18-25). 2019 IEEE International Conference on Blockchain (Blockchain).Peer Review - Refereed

Conference Proceeding (Published)
Shahriar, H. M., Qian, K., Talukder, M. A. I., Meimandi Parizi, R. (2019). *Data Protection with SMSD Labware* (pp. 1262--1262). New York, NY, USA: Proceedings of the 50th ACM Technical Symposium on Computer Science Education. http://doi.acm.org/10.1145/3287324.3293785Peer Review - Refereed

Conference Proceeding
Liu, L., Han, M., Zhou, Y., Meimandi Parizi, R. (2019). *E^2 C-Chain: A Two-Stage Incentive Education Employment and Skill Certification Blockchain* (pp. 140-147). 2019 IEEE International Conference on Blockchain (Blockchain).Peer Review - Refereed

Murphy, Nicholas (Limited Term Instructor)

Conference Proceedings

Conference Proceeding (Submitted)
Kim, K., Patel, D., Murphy, N., Guo, R. (under review). *Comparison of Traditional and Mixed/Virtual Navigation Training for People with Visual Impairments*. 25th ACM Symposium on Virtual Reality Software and Technology.

Pournaghshband, Hassan (Professor)

Conference Proceedings

Conference Proceeding (Published)
Pournaghshband, H. (2019). *Blending Six Sigma and Software Development* (vol. 1070, pp. 619-624). Springer.Peer Review - Refereed

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

Other Intellectual Contributions

International Society for the Scholarship of Teaching and Learning (Published)
Pournaghshband, H., Salimi, A., Abegaz, T. (2019). *A Modified Flipped-classroom Approach for an Introductory Computing Course*.

Spoletini, Paola (Professor)

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)
Menghi, C., Spoletini, P., Chechik, M., Ghezzi, C. (2019). A verification-driven framework for iterative design of controllers. *FORMAL ASPECTS OF COMPUTING, 31*(5), 459-502, .

Journal Article, Academic Journal (Published)
Dekhtyar, A., Hayes, J. H., Hadar, I., Combs, E., Ferrari, A., Gregory, S., Horkoff, J., Levy, M., Nayebi, M., Paech, B., others (2019). Requirements Engineering (RE) for Social Good: RE Cares [Requirements]. *IEEE Software, 36*(1), 86--94, .

Journal Article, Academic Journal (Published)
Bano, M., Zowghi, D., Ferrari, A., Spoletini, P., Donati, B. (2019). Teaching requirements elicitation interviews: an empirical study of learning from mistakes. *REQUIREMENTS ENGINEERING, 24*(3), 259-289, .

Conference Proceedings

Conference Proceeding (Published)
Gervasi, V., Ferrari, A., Zowghi, D., Spoletini, P. (2019). Ambiguity in Requirements Engineering: Towards a Unifying Framework. *From Software Engineering to Formal Methods and Tools, and Back - Essays Dedicated to Stefania Gnesi on the Occasion of Her 65th Birthday* (pp. 191--210). https://doi.org/10.1007/978-3-030-30985-5_12

Conference Proceeding (Published)
Spoletini, P. (2019). In Spoletini, Paola; Patrick M\"ader; Berry, Daniel M.; Dalpiaz, Fabiano; Daneva, Maya; Ferrari, Alessio; Franch, Xavier; Gregory, Sarah; Groen, Eduard C.; Herrmann, Andrea; Hess, Anne; Houdek, Frank; Karras, Oliver; Koziolek, Anne;

Lauenroth, Kim; Palomares, Cristina; Sabetzadeh, Mehrdad; Seyff, Norbert; Trapp, Marcus; Vogelsang, Andreas; Weyer, Thorsten (Ed.), *Joint Proceedings of REFSQ-2019 Workshops, Doctoral Symposium, Live Studies Track, and Poster Track co-located with the 25th International Conference on Requirements Engineering: Foundation for Software Quality (REFSQ 2019), Essen, Germany, March 18th, 2019* (vol. 2376). CEUR-WS.org. http://ceur-ws.org/Vol-2376

Conference Proceeding (Published)
Ferrari, A., Spoletini, P., Bano, M., Zowghi, D. (2019). Learning Requirements Elicitation Interviews with Role-Playing, Self-Assessment and Peer-Review. *27th IEEE International Requirements Engineering Conference, RE 2019, Jeju Island, Korea (South), September 23-27, 2019* (pp. 28--39). https://doi.org/10.1109/RE.2019.00015

Conference Proceeding (Published)
Halstead-Nussloch, R., Spoletini, P. (2019). On Including the Institutional Review Board Process in Undergraduate Information Technology Curricula. *Proceedings of the 20th Annual SIG Conference on Information Technology Education, SIGITE 2019, Tacoma, WA, USA, October 3-5, 2019* (pp. 103). https://doi.org/10.1145/3349266.3351348

Conference Proceeding (Published)
Spoletini, P., Patrick M\"ader (2019). Preface. *Joint Proceedings of REFSQ-2019 Workshops, Doctoral Symposium, Live Studies Track, and Poster Track co-located with the 25th International Conference on Requirements Engineering: Foundation for Software Quality (REFSQ 2019), Essen, Germany, March 18th, 2019*. http://ceur-ws.org/Vol-2376/preface.pdf

Uncategorized Department

Karakaya, Mahmut

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)
Karakaya, M., Celik, E. T. (2019). Effect of pupil dilation on off-angle iris recognition. *Journal of Electronic Imaging, 28*(3), .

Conference Proceedings

Conference Proceeding (Published)
Jalilian, E., Uhl, A., Karakaya, M. (2019). *Gaze-angle Impact on Iris Segmentation using CNNs*. IEEE International Conference on Biometrics: Theory, Applications and Systems.Peer Review - Refereed

Conference Proceeding
Hacisoftaoglu, R. E., Karakaya, M. (2019). *Field of View of Portable Ophthalmoscopes for Smartphones* (vol. 11020). SPIE Proceedings, Smart Biomedical and Physiological Sensor Technology XVI;.

Lee, Ah young

Refereed Journal Articles

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

Journal Article, Professional Journal (Accepted)
Lee, A., Lee, A., Kim, S. (2019). P2P Computing for Trusted Networking of Personalized IoT Services. *To appear in Journal of the Peer-to-Peer Networking and Applications, Springer*, .Peer Review - Refereed

Conference Proceedings

Conference Proceeding (Accepted)
Lee, A., Moon, J., Min, S. D., Sung, N.-J., Hong, M. (2019). *Safety Analysis System Using Smart Helmet*. The 20th International Conference on Internet Computing and IoT (ICOMP 2019).Peer Review - Refereed

Conference Proceeding (Accepted)
Lee, A., Lee, A. (2019). *Experimental Study of SDN-Openstack Cloud   Environments*. The 20th International Conference on Internet Computing and IoT   (ICOMP'19).Peer Review - Refereed

Conference Proceeding (Accepted)
Lee, A., Lee, A. (2019). *Experimental Performance Evaluation of SDN-based Cloud Computing Networking*. The 14th Asia Pacific International Conference on Information Science and Technology (APIC-IST 2019).Peer Review - Refereed

Conference Proceeding (Submitted)

Lee, A., Lee, A. (under review). *An Efficient Algorithm for Data Flow Management in Software-Defined Networking*. IEEE GLOBECOM 2019.Peer Review - Refereed

Valero de Clemente, Maria

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)
Valero, M. A., Li, F., Clemente, J., Song, W. (2019). Distributed and Communication-Efficient Spatial Auto-Correlation Subsurface Imaging in Sensor Networks. *Sensors, 19*(11), 2427, .

Journal Article, Academic Journal (Published)
Li, F., Valero, M. A., Cheng, Y., Song, W. (2019). High-Frequency Time-Lapse Seismic Spatial Autocorrelation Imaging Shallow Velocity Variations. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing (JSTARS), 12*(12), 5385--5390, .

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Valero, M. A., Li, F., Wang, S., Lin, F.-C., Song, W. (2019). Real-time Cooperative Analytics for Ambient Noise Tomography in Sensor Networks. *IEEE Transactions on Signal and Information Processing over Networks, 5*(2), 375--389, .

Journal Article, Academic Journal (Published)
Li, F., Clemente, J., Valero, M. A., Tse, Z., Li, S., Song, W. (2019). Smart Home Monitoring System via Footstep Induced Vibrations. *IEEE Systems Journal*, .

Journal Article, Academic Journal (Published)
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Journal Article, Academic Journal (Published)
Song, W., Li, F., Valero, M. A., Zhao, L. (2019). Toward Creating Subsurface Camera. *Sensors, 19*(2), 301, .

Conference Proceedings

Conference Proceeding (Published)
Clemente, J., Li, F., Valero, M. A., Song, W. (2019). Contactless Device for Monitoring On-Bed Activities and Vital Signs. *2019 IEEE International Conference on Smart Computing (SMARTCOMP)* (pp. 472--474).

Conference Proceeding (Published)
Clemente, J., Song, W., Valero, M. A., Li, F., Li, X. (2019). Indoor Person Identification and Fall Detection through Non-Intrusive Floor Seismic Sensing. *IEEE SMARTCOMP 2019* (pp. 417--424).

Conference Proceeding (Published)
Wang, S., Li, F., Valero, M. A., Song, W. (2019). Tracking Underground Moving Targets with Wireless Seismic Networks. *IEEE SMARTCOMP 2019* (pp. 425--433).

Other Intellectual Contributions

Ph.D. Thesis (Published)

Valero, M. A. (2019). *Real-time in-situ ambient noise seismic imaging in sensor networks*. University of Georgia.

Zhao, Liang

Non-Refereed Journal Articles

Journal Article, Academic Journal (Published)
Song, W., Li, F., Valero, M. A., Zhao, L. (2019). Toward Creating Subsurface Camera. *Sensors, 19*(2), 301, .