

IEEE IMNS 2026 Conference Schedule

Two-day technical program | August 3-4, 2026

Venue:

KSU Center

Kennesaw State University
3333 Busbee Drive NW
Kennesaw, GA 30144, USA

PROGRAM AT A GLANCE

Time	Day 1	Time	Day 2
08:30-10:30	Registration, opening, Keynote I, coffee	09:00-10:10	Keynote III and coffee
10:30-12:00	Parallel Sessions 1 & 2	10:10-11:40	Parallel Sessions 7 & 8
12:00-13:30	Lunch	11:40-13:10	Lunch
13:30-14:40	Keynote II and coffee	13:10-14:20	Parallel Sessions 9 & 10
14:40-16:10	Parallel Sessions 3 & 4	14:20-14:40	Coffee
16:10-16:30	Coffee	14:40-15:50	Parallel Sessions 11 & 12
16:30-18:00	Parallel Sessions 5 & 6	15:50-16:00	Coffee
18:00-18:15	Coffee	16:00-17:00	Poster and Demo Session
18:15	Conference Banquet	17:00-17:30	Conference Closing Ceremony

IEEE IMNS 2026 | Monday, August 3, 2026 (Day 1)

TIME / ORDER	ROOM: KC400	ROOM: KC242
08:30-09:00	REGISTRATION <i>Conference check-in</i>	
09:00-09:20	OPENING CEREMONY AND WELCOME REMARKS – Darryl Ahner (KSU CCSE Dean) <i>Introduction by the Executive Chair (Shaoen Wu)</i>	
09:20-10:10	KEYNOTE SPEECH I - MAHMOUD DANESHMAND <i>Industry Professor, Stevens Institute of Technology Presentation title to be confirmed</i>	
10:10-10:30	COFFEE BREAK <i>20 minutes</i>	
10:30-12:00	SESSION 1 <i>Secure and Trustworthy AI</i>	SESSION 2 <i>Network Security and Threat Detection</i>
Order 1	Game-Theoretic Defense Against Hardware Trojans with Multi-Level Strategies Soraya Partow (Georgia Southwestern State University, USA); Satyaki Nan (Georgia Southwestern State University, USA)	Real-Time DDoS Detection by Integrated eBPF Telemetry and Machine Learning-enhanced SIEM Zeeshan Ali (University of L'Aquila, Italy); Andrea Marotta (University of L'Aquila, Italy & WEST Aquila SRL, Italy); Walter Tiberti (University of L'Aquila, Italy); Carlo Centofanti (University of L'Aquila, Italy & WEST Aquila SRL, Italy); Dajana Cassioli (University of L'Aquila, Italy)
Order 2	Joint Sensing-Security Optimization in Sensing- Integrated MLWE Under Noisy and Adversarial Environments Sumit Chakravarty (Kennesaw State, USA); Aniket Chakraborty (The Heritage Academy, India)	Are Temporal Graph Based Intrusion Detection Results Trustworthy? A Dataset Audit and Evaluation Framework Yinning Zhang (Kennesaw State University, USA); Sait Suer (Kennesaw State University, USA); S M Tanvir Faysal Alam Chowdoury (Kennesaw State University, USA); Shaoyuan Wu (Georgia Institute of Technology, USA); Jing (Selena) He (Kennesaw State University, USA)

TIME / ORDER	ROOM: KC400	ROOM: KC242
Order 3	Bypassing Krum: Selection-Aware Backdoor Attacks in Federated Learning Srinivasan Subramanian (Kennesaw State University, USA); Md Abdullah Al Hafiz Khan (Kennesaw State University, USA); Kazi Aminul Islam (Kennesaw State University, USA)	When Logs Are No Longer Just Sequences: A Multi-view Bidirectional Graph Convolutional Network for Anomaly Detection Xianlang Hu (Harbin Engineering University, China); Guangsheng Feng (Harbin Engineering University, China); Pengxin Li (Harbin Engineering University, China); Xinling Huang (Harbin Engineering University, China); Xiangying Kong (Jiangsu Institute of Automation, China)
Order 4	Multiverse Path Encryption: Securing Interpretation under Adversarial Access Shaoyuan Wu (Georgia Institute of Technology, USA); Yinning Zhang (Kennesaw State University, USA)	Integration of NIST PQC Round 2 Additional Digital Signatures into PKI and X.509 Amrutvyasa Ramasamy (Kennesaw State University, USA); Sanketh Chapaneri (Kennesaw State University, USA); Ryan Slovensky (Kennesaw State University, USA); Ken Lew (Anne Arundel Community College, USA); Uma Chinta (Texas Tech University, USA); Manohar Raavi (Kennesaw State University, USA)
Order 5	COALITION-VAST: Auditable Multi-Agent Alignment Under Byzantine Governance Soraya Partow (Georgia Southwestern State University, USA); Satyaki Nan (Georgia Southwestern State University, USA)	Towards Scalable Low-Cost Framework for Wi-Fi 6 Packet Capture Ashikur Nobel (Yeshiva University, USA); Zhouzhou Li (Southeast Missouri State University, USA); Honggang Wang (Yeshiva University, USA); Hua Fang (Yeshiva University, USA)
Order 6	Ada-MGNS: Enhancing Black-Box Transfer Attacks on Vision Transformers via Adaptive Momentum and Deep Attention Guidance Lei Lu (Xi'an Jiaotong University, China); Runhan Yao (Xi'an jiaotong university, China); Qinghe Du (Xi'an Jiaotong University, China); Ping Wang (Xi'an Jiaotong university, China)	A Hypergraph-Based Defense Framework Against Relational Inference in Mobile Crowdsensing Huang YiJiao (Fujian Normal University, China); Yuanyuan Zhang (Fujian Normal University, China); JiaYi Huang (Fujian Normal University, China); Renwan Bi (Minjiang University, China); Jinbo Xiong (Fujian University of Technology & College of Computer and Cyber Security, China)
12:00-13:30	LUNCH BREAK 90 minutes	

TIME / ORDER	ROOM: KC400	ROOM: KC242
13:30-14:20	KEYNOTE SPEECH II - JIAN REN <i>Michigan State University Presentation title to be confirmed</i>	
14:20-14:40	COFFEE BREAK <i>20 minutes</i>	
14:40-16:10	SESSION 3 <i>Biomedical Imaging and Diagnostics</i>	SESSION 4 <i>Healthcare and Human-Centered AI</i>
Order 1	HIMLT: A Hybrid Interactive Machine Learning Tool for Whole Slide Image Analysis Deepthi Kondreddy (Kennesaw State University, USA); Shemonti Barua (Kennesaw State University, USA); Siri Yellu (Kennesaw State University, USA); Hamed Elghazzali (Kennesaw State University, USA); Sanghoon Lee (Kennesaw State University, USA & Mayo Clinic, USA)	Enhancing AD/ADRD Management Through iHelpCare: A Compliant and Culturally Sensitive AI-Driven Digital Healthcare Platform Soarov Chakra Borty (Kennesaw State University, USA); Trisha Bhowmick (Kennesaw State University, USA); Md. Mehedi Hasan (Kennesaw State University, USA); Mary Dioise Ramos (Louisiana State University Health Sciences Center, USA); Nazmus Sakib (Kennesaw State University, USA)
Order 2	A Factorial Analysis of Training Data Scope and Loss Function for Multi-Dataset Diabetic Retinopathy Screening Akifcan Ozbulut (Kennesaw State University, USA); Mahmut Karakaya (Kennesaw State University, USA); Ramazan Aygun (Kennesaw State University, USA)	Toward Low-Cost Parkinson's Disease Classification: A Comparative Study of VR and Clinical Eye-Tracking Systems Ryan Hall (East Carolina University, USA); Joseph Natter (Kennesaw State University, USA); Meilun Wu (Kennesaw State University, USA); Rui Wu (Kennesaw State University, USA); Amy Wedge (East Carolina University, USA); Zhen Zhu (East Carolina University, USA); Gerardo Gonzales Rodriguez (East Carolina University, USA); Chia-Cheng Lin (East Carolina University, USA)
Order 3	Lesion-Based Modeling for Robust Diabetic Retinopathy Screening Sait Suer (Kennesaw State University, USA); Mahmut Karakaya (Kennesaw State University, USA); Ramazan Aygun (Kennesaw State University, USA)	A Scalable Interoperable Data Science System for Trauma-Informed Care: Enhancing ACE Interventions with Real-Time Analytics, AI-Powered Insights, and Clinical Decision Support Mohmmad Arif Shaik (Kennesaw State University, USA); Nazmus Sakib (Kennesaw State University, USA); Andrea Meyer Stinson (Resilient Georgia, USA); Nikki Warner (Resilient Georgia, USA); Audrey Idaikkadar (Resilient Georgia, USA)

TIME / ORDER	ROOM: KC400	ROOM: KC242
Order 4	A Lesion-Aware Knowledge-Guided Framework for Explainable Diabetic Retinopathy Diagnosis Sait Suer (Kennesaw State University, USA); Mahmut Karakaya (Kennesaw State University, USA); Ramazan Aygun (Kennesaw State University, USA); Zongxing Xie (Kennesaw State University, USA)	A Survey on Game-Based Learning Environment for AI Literacy: Taxonomy, Challenges, and Future Directions Md. Ashiqur Rahman (Kennesaw State University, USA); Yi Li (Kennesaw State University, USA); Jing (Selena) He (Kennesaw State University, USA)
Order 5	A Multi-Stage Framework for Pathology Microscopy Tile Reconstruction with Stain-Aware Features and Cross-Grid Evaluation Yicai Yao (Southeast Missouri State University, USA); Zequn Yuan (Southeast Missouri State University, USA); Juefei Yuan (Southeast Missouri State University, USA); Zhouzhou Li (Southeast Missouri State University, USA); Ziping Liu (Southeast Missouri State University, USA)	PinGAT: Hybrid GNNs for Customer Classification and Personalized Recommendation in Online Retail Symon Kimitei (Kennesaw State University, USA); Sherry Ni (Kennesaw State University, USA); Andrew Wilson (Kennesaw State University, USA); Yan Huang (Kennesaw State University, USA)
Order 6	SMITE: Step-wise Memorization Inference with Two-channel Error for Membership Inference on Fine-Tuned Retinal Diffusion Models Joseph Richardson (Kennesaw State University, USA); Ramazan Aygun (Kennesaw State University, USA); Mahmut Karakaya (Kennesaw State University, USA)	
16:10-16:30	COFFEE BREAK <i>20 minutes</i>	
16:30-18:00	SESSION 5 <i>Vehicular Intelligence and Safety</i>	SESSION 6 <i>Wireless Sensing and RF Intelligence</i>
Order 1	A Resilient and Privacy-Preserving Distributed Learning Framework for Vehicular Intelligence La Chiara Landrum (Meharry Medical College, USA); Debashis Das (Meharry Medical College, USA); Pushpita Chatterjee (Meharry Medical College, USA); Uttam Ghosh (Meharry Medical College, USA); Eugene Levin (Meharry Medical College, USA)	Geometry-Aware Reconfigurable Intelligent Surfaces for Human Thoracic and Locomotion Sensing Gowtham Ankolu (Kennesaw State University, USA); Yaswitha Swarna (Kennesaw State University, USA); Sumit Chakravarty (Kennesaw State University, USA); Nazmus Sakib (Kennesaw State University, USA)

TIME / ORDER	ROOM: KC400	ROOM: KC242
Order 2	Joint DQN Optimization of Task Offloading and Resource Allocation for Low-AoI in IoV He Chao (Chongqing Three Gorges College, China)	Dual-Prior Generative Augmentation for Few-Shot Specific Emitter Identification Wankang Zhang (Henan Institute of Science and Technology, China); Zhengwei Xu (Henan Normal University, China)
Order 3	Real Time Machine Learning Based Detection of Aggressive Driving using Feature Optimization Ibnul Islam (Bangladesh University of Engineering and Technology, Bangladesh); MD Sajid Mostafiz Noor (Bangladesh University of Engineering and Technology, Bangladesh); Ashikur Rahman (Department of CSE, Bangladesh University of Engineering and Technology (BUET)); Raqeebir Rab (Ahsanullah University of Science and Technology, Bangladesh); Abderrahmane Leshob (University of Quebec at Montreal, Canada)	WaveMLP: Cross-Receiver-Day RF Fingerprinting with Learnable Complex Wavelets Yu Wang (Nanjing University of Posts and Telecommunications, China); Meiyu Wang (Hangzhou Dianzi University, China); Juzhen Wang (Hangzhou Dianzi University, China)
Order 4	Phantom Jam Sybil Attack Against Vehicular Networks Colby Cook (University of Tennessee at Chattanooga, USA); Ahmed Mohamed (University of Tennessee at Chattanooga, USA); Mengjun Xie (University of Tennessee at Chattanooga, USA)	ActiveGPR: Multi-Scale Geometric Reasoning for Adaptive Subsurface Sensing and Imaging Yifan Liu (University of Tennessee at Chattanooga, USA); Dalei Wu (The University of Tennessee at Chattanooga, USA); Yu Liang (University of Tennessee at Chattanooga, USA); Dryver Huston (University of Vermont, USA); Tian Xia (University of Vermont, USA)
Order 5	Distributed Fairness-Aware Joint Sensing and Communication in UAV Swarms via Hybrid MARL-ADMM Jack Belawske (Georgia Institute of Technology, USA); Sumit Chakravarty (Kennesaw State, USA); Imtiaz Ahmed (Howard University, USA)	RSSI Forecasting With Off-the-Shelf Smartphones For Proactive Mobile Wi-Fi Link Adaptation Elmahedi Mahalal (University of New Haven, USA)
Order 6	A Uberized Parking Application and Study of Economic Pricing Models Harry Li (San Diego Jewish Academy, USA); Wei Wang (San Diego State University, USA)	Elastic TDMA Overlay for Dense Wi-Fi Networks Reuven Mueller (Kennesaw State University, USA); Ying Xie (Kennesaw State University, USA)
18:00-18:15	COFFEE BREAK <i>15 minutes</i>	

TIME / ORDER		ROOM: <i>KC400</i>	ROOM: <i>KC242</i>
18:15	CONFERENCE BANQUET <i>Evening event</i>		

IEEE IMNS 2026 | Tuesday, August 4, 2026 (Day 2)

TIME / ORDER	ROOM: KC400	ROOM: KC242
09:00-09:50	KEYNOTE SPEECH III - HAMID SHARIF <i>Charles J. Vranek College of Engineering Professor, University of Nebraska-Lincoln, USA Presentation title to be confirmed</i>	
09:50-10:10	COFFEE BREAK <i>20 minutes</i>	
10:10-11:40	SESSION 7 <i>Blockchain, Finance and Trust</i>	SESSION 8 <i>Multimedia and Image Compression</i>
Order 1	Behavioral Analysis of Ethereum Fraudulent Transactions Using Supervised COFAIS Framework Raqeebir Rab (Ahsanullah University of Science and Technology, Bangladesh); Rizoan Hossain (Ahsanullah University of Science and Technology, Bangladesh); Faiyaz Noor (Ahsanullah University of Science and Technology, Bangladesh); Mehzabin Afroz (Ahsanullah University of Science and Technology, Bangladesh); Abderrahmane Leshob (University of Quebec at Montreal, Canada); Ashikur Rahman (Bangladesh University of Engineering and Technology (BUET), Bangladesh & Teacher, Bangladesh)	MEMMAX: Memory-Parallel FPGA Optimization for Bandwidth-Bound IoT Image Processing Benjamin Mikailenko (Washington State University, USA); Rubayet Rongon (Washington State University, USA); Xiaokun Yang (University of Houston - Clear Lake, USA); Xuechen Zhang (Kennesaw State University, USA)
Order 2	Attention-Guided Subgraph Analysis for Interpretable Cryptocurrency Anti-Money Laundering Wadduwage Shanika Perera (Sam Houston State University, USA); Ahsan Ul Islam (Sam Houston State University, USA); Min Kyung An (Sam Houston State University, USA); Hyuk Cho (Sam Houston State University, USA)	Learned Image Compression via Unevenly Grouped Channel Context and Gaussian Mixture Entropy Modeling Zhiyuan Zhu (Chongqing University of Posts and Telecommunications, China); Lin Huang (Chongqing University of Posts and Telecommunications, China); Shihang Ding (Chongqing University of Posts and Telecommunications, China); Yang Bai (TAL Education Group, China)
Order 3	Whispers of Wealth: A Systematic Red-Teaming Study of the Agent Payments Protocol (AP2) Tanusree Debi (University of Georgia, USA); Wentian Zhu (University of Georgia, USA); Pranjol Sen Gupta (Kennesaw State University, USA)	An Evaluation of Super-Resolution Algorithms for Real-Time High-Quality Video Streaming Emma Hubbell (Southern Connecticut State University, USA); Hao Wu (Southern Connecticut State University, USA); Yulei Pang (Southern Connecticut State University, USA)

TIME / ORDER	ROOM: KC400	ROOM: KC242
Order 4	D2S-BFT: A General Performance Evaluation Framework for Sharded Blockchain Networks Jiqiang Liu (Qingdao University of Science and Technology, China); Lijun Sun (Qingdao University of Science & Technology, China); Xiao Chen (University of Leicester, United Kingdom (Great Britain)); Wang Jingjing (Qingdao University of Science & Technology, China)	Batch Size in Deep Learning for Distributed Multimedia Systems: A Survey Yinning Zhang (Kennesaw State University, USA); Jing (Selena) He (Kennesaw State University, USA)
Order 5	Blockchain-Empowered Trustworthy Task Offloading for UAV-Assisted Networks Qin Wang (Nanjing University of Posts and Telecommunications, China); Jiaying Gu (Nanjing University of Posts and Telecommunication, China); Yi Song (Nanjing University of Posts and Telecommunication, China); Guan Gui (Nanjing University of Posts and Telecommunications, China)	Task-Aware Semantic Selection for Scene Graph-Based Semantic Communication Chen Zhang (The University of Electro-Communications (UEC), Japan & The University of Electro-Communications, Japan); Lei Zhong (Toyota Motor Corporation, Japan); Jiale Wu (The University of Electro-Communications, Japan); Yangfei Lin (The University of Electro-Communications, Japan); Soufiene Djahel (Coventry University, United Kingdom (Great Britain)); Celimuge Wu (The University of Electro-Communications, Japan)
Order 6	AIS Trajectory-Based Semi-Supervised Vessel Type Recognition via Entropy-Guided Adaptive Thresholding and Contrastive Feature Alignment Wang Shihao (Harbin Engineering University & School of Information and Communication Engineering, China); Yun Lin (Harbin Engineering University, China); Jie Liu (Harbin Engineering University, China); Sicheng Zhang (Harbin Engineering University, China)	ECG Time-Series Modeling Under Dataset Shift: A Structured Survey of Methods, Benchmarks, and Reliability Challenges Mahira Tabassum Khan (Kennesaw State University, USA); Jing (Selena) He (Kennesaw State University, USA)
11:40-13:10	LUNCH BREAK <i>90 minutes</i>	

TIME / ORDER		ROOM: KC400	ROOM: KC242
13:10-14:20	SESSION 9 <i>3D Sensing and Generative Media</i>	SESSION 10 <i>Networked Systems and AI Operations</i>	
Order 1 <			

TIME / ORDER	ROOM: KC400	ROOM: KC242
14:40-15:50	SESSION 11 <i>LLM Agents and Network Automation</i>	SESSION 12 <i>Federated Learning and Privacy</i>
Order 1	Agent-Side SNMP Trap Consolidation: Reducing Trap Storms via Time-Window Aggregation Vivek Singh (HPE, USA)	FedLEAF: Bi-directional Prototype Adaptation for Heterogeneous Federated Learning Zhiyuan Zhu (Chongqing University of Posts and Telecommunications, China); Siyi Deng (Chongqing University of Posts and Telecommunications, China); Dapeng Wu (CQUPT, China); Ruyan Wang (Chongqing University of Posts and Telecommunications, China)
Order 2	TERMINET: A Decision-Theoretic Framework for Autonomous Termination in LLM-Based Network Management Agents Md Istiak Morsalin (Kennesaw State University, USA); Tasnim Akter Onisha (Kennesaw State University, USA); Yiming Ji (Kennesaw State University, USA)	A Multi-Modal Federated Learning Framework for Privacy-Preserving School Safety Analytics Debashis Das (Meharry Medical College, USA); La Chiara Landrum (Meharry Medical College, USA); David Lockett (Meharry Medical College, USA); Pushpita Chatterjee (Meharry Medical College, USA); Eugene Levin (Meharry Medical College, USA); Uttam Ghosh (Meharry Medical College, USA)
Order 3	Security Rule Embedding and Static-Analysis-Guided Repair for LLM-Based Intelligent Multimedia UI Code Generation Shuning Ping (Southeast University, China); Guangchi Liu (Southeast University, China)	4D-KDE: A Lightweight Defense Framework Against Data Poisoning Attacks in Crowdsensing with Local Differential Privacy Haishui Zhong (Fujian Normal University, China); Yuanyuan Zhang (Fujian Normal University, China); JiaYi Huang (Fujian Normal University, China); Renwan Bi (Minjiang University, China); Jinbo Xiong (Fujian University of Technology & College of Computer and Cyber Security, China)
Order 4	RIN: Resilient-Influential Node Detection in Complex Networks Afra Kurudirek (Kennesaw State University, USA); Ibrahim Filik (Kennesaw State University, USA); Sravan Sakhamuri (Kennesaw State University, USA); Mehmet Emin Aktas (Kennesaw State University, USA)	Evaluating Multimodal Steganalysis for Split-Payload Audiovisual Steganography Prateek Paudel (Kennesaw State University, USA); Nitin Jha (Kennesaw State University, USA); Abhishek Parakh (Kennesaw State University, USA)
15:50-16:00	COFFEE BREAK <i>10 minutes</i>	

TIME / ORDER	ROOM: KC400	ROOM: KC242
16:00-17:00	POSTER AND DEMO SESSION <i>Seven scheduled poster/demo slots</i>	
17:00-17:30	CONFERENCE CLOSING CEREMONY <i>Best Paper Awards, Closing Remarks</i>	

Poster and Demo Session

Tuesday, August 4 | 4:30-5:30 PM | Room: *KC400*

POSTER /DEMO	TITLE
1	Demo Abstract: Real-Time Hybrid Multipath-Aware RFID Reader for Spatial Intelligence on USRP X310 Bernard Amoah (Auburn University, USA); Jian Zhang (Kennesaw State University, USA); Shiwen Mao (Auburn University, USA); Senthilkumar Periaswamy (Auburn University, USA); Justin Patton (Auburn University, USA)
2	Reproducible Recency-Aware Ensembles for e-Commerce Customer Retention Akhilesh Keshap (USA); Kshtij Sharma (Indendent Researcher, USA); Raju Dandigam (Navan, USA)
3	Poster: Benchmarking the NVIDIA GB10 Against the NVIDIA DGX-1 Joseph Richardson (Kennesaw State University, USA); Ramazan Aygun (Kennesaw State University, USA); Mahmut Karakaya (Kennesaw State University, USA)
4	Player-Driven QA in Heterogeneous Game Environments: An Empirical Study of Feedback Systems Volodymyr Bondarenko (Dresden Technical University, Germany); Juan A. Cabrera (Technische Universität Dresden, Germany); Frank H.P. Fitzek (Technische Universität Dresden & ComNets - Communication Networks Group, Germany)
5	EvidenceFusion-MM: A Multimodal Forensic Framework for Detecting AI-Generated Text, Document Image Tampering, and PDF Structural Anomalies Shreya Srikanth (Georgia Southern University, USA); Nithish Kumar N (Georgia Southern University, USA); Mofeoluwa Akintobi (Georgia Southern University, USA); Lei Chen (Georgia Southern University, USA)
6	Evaluating Prompt Injection Risk and Guardrails in LLM-Enabled Home IoT Assistants Shazid Bin Zaman (East Carolina University, USA); Sohan Gyawali (East Carolina University, USA); Ciprian Popoviciu (East Carolina University, USA); Yili Jiang (Georgia State University, USA); Jiaqi Huang (University of Central Missouri, USA)
7	Demo: Lowering the Barrier to Traffic Simulation Through a Prompt-to-Config Agent William Phong (San Diego State University, USA); Jianshu Liu (San Diego State University, USA); Patrick Simpauco (San Diego State University, USA); Audio Antuna (San Diego State University, USA); Logan Moreno (San Diego State University, USA)