IEEE IRI 2026 Program

	Friday (July 31st)		Saturday (Aug 1st)		Sunday (Aug 2nd)	
8:20-9:30am	**Opening & Keynote 1** Dr. Bhavani Thuraisingham Chair: Chengcui Zhang Room: Discovery Hall (DISC) 061		**Keynote 2:** Dr. Roger Barga Chair: Chengcui Zhang Room: Discovery Hall (DISC) 061		**Keynote 3** John Y. Choe, University of Washington Chair: Chengcui Zhang Room: Discovery Hall (DISC) 061	
9:30-9:45am	**Coffee Break**		**Coffee Break**		**Coffee Break**	
9:45-11:30am	**A1: AI Systems, Agents & Cloud-Native Orchestration** Chair: Room: DISC 162	**A2: Explainable AI & Trustworthy Systems AI Systems** Chair: Room: DISC 252	**D1: Healthcare AI I: Diagnostics & Risk Prediction** Chair: **Min-Yuh Day** Room: DISC 162	**D2: Distributed Systems & Model Efficiency** Chair: **Emily (Shuya) Feng** Room: DISC 252	**G1: Computer Vision II & Human-Centered Sensing** Chair: Room: DISC 162	**G2: RAG & Knowledge Graphs** Chair: **Foss David** Room: DISC 252
11:30am-1:00pm	**Lunch Break**		**Lunch Break**		**Lunch Break**	
1:00-3:00pm	**B1: LLM Fine-Tuning, Evaluation & Reasoning** Chair: **Siva Bayyavarapu** Room: DISC 162	**B2: Time Series Forecasting & Energy Analytics** Chair: **Yan Lu** Room: DISC 252	**E1: Applied Data Science & Decision Support** Chair: **Md Saifur Rahman** Room: DISC 162	**E2: NLP, Sentiment & Multimodal Reasoning** Chair: **Foss David** Room: DISC 252	**H1: Applications in Environment & Public Safety** Chair: Room: DISC 162	**H2: Invited Papers** Chair: **Min Chen** Room: DISC 252
3:00-3:15pm	**Break**		**Break**			
3:15-5:00pm	**C1: Security, Privacy & Adversarial ML** Chair: **Siva Bayyavarapu** Room: DISC 162	**C2: Computer Vision I** Chair: **Yan Lu** Room: DISC 252	**F1: EM-RITE Workshop** Chair: **Min-Yuh Day** Room: DISC 162	**F2: AIHC Workshop** Chair: **Brendan Toscano** Room: DISC 252		
7:00-9:00pm			**Banquet and Awards**			

Detailed Program

IEEE IRI Conference Day 1: Friday, July 31, 2026

8:20-9:30am	**Welcome, Conference Opening Remarks (General Chairs, PC Chairs) Keynote 1: | Session Chair:**
9:30-9:45am	**Coffee Break**
9:45-11:30am	**Session A**
	Session A1 **AI Systems, Agents & Cloud-Native Orchestration** **Session Chair:**
IRI 8 (15 min)	SLA-Aware Incident Detection and Alert Routing via MCP in Distributed Systems *Bayyavarapu, Siva Rama Krishna Varma, Venganti, Vijayakumar, Hiremath, Vishwanath*
IRI 9 (15 min)	Event-Correlated MCP Agents for Asynchronous Enterprise Systems *Bayyavarapu, Siva Rama Krishna Varma, Venganti, Vijayakumar, Hiremath, Vishwanath*

IRI 53 (15 min)	RESO-Net: A Reusable Event-Driven AI Framework for Intelligent Network Slice Orchestration in Cloud-Native Telecom Systems *MARIMUTHU, GOPALAKRISHNAN*
IRI 118 (15 min)	Toward Reusable AI for Edge Offloading: An Empirical Study Under Varying IoT Workloads *Zhang, Yixin, Tran, Hai Anh, Tran, Truong*
IRI 188 (10 min)	A Lightweight Causal Evidence Pipeline for Root-Cause Localization in Cloud-Native Systems *Dua, Mukesh, Gautam, Aniruddha Singh, Chowdhury, Raju, Kundu, Tarun*
IRI 43 (15 min)	Skill-Based Architecture for Reusable, AI-Native Enterprise Modules: An Empirical Study *Jathar, Nikhil*
	Session A2 **Explainable AI & Trustworthy Systems** **Session Chair:**
IRI 148 (10 min)	Quantifying the Affective Gap: A Zero-Shot Evaluation of LLMs on Fine-Grained Emotion Taxonomies *Obiuwevwi, Lawrence, Rechowicz, Krzysztof J., Johnson, Jessica M., Ashok, Vikas, Shetty, Sachin, Jayarathna, Sampath*
IRI 161 (10 min)	Epistemic Edge: Subjective Logic Guardrails for LLM-Driven IoT Actuation *Syed, Muntaser, Silaghi, Marius*
IRI 177 (10 min)	Harmonizing Mass-Shooting Databases for Cross-Source Risk Classification *Sharma, Neha, Sharma, Ritesh*
IRI 183 (10 min)	Evaluating Classical Deepfake Detection Paradigms on the DF40 Image Benchmark *Alfaro Purisaca, Barbara Karina, Cama Castillo, Yulian Andre, Suman, Reeta*
IRI 201 (10 min)	Routing Collapse in Classification-Head-Based Mixture-of-Experts Models for Aspect-Based Sentiment Analysis *Nagothu, Pranav, Kubek, Mario Michael, Kuzmin, Kiril*
IRI 202 (10 min)	Comparison of Explainable AI Techniques for Early Detection of Potential Prediction Failures *Suthaharan, Shan*
IRI 203 (10 min)	Tracing the Origin Source Attribution of Social Media Profile Images Using Deep Ensemble Learning *Bokolo, Biodoumoye, Qingzhong, Liu*
11:30am-1:00pm	**Lunch Break**
1:00-3:00pm	**Session B**
	Session B1 **LLM Fine-Tuning, Evaluation & Reasoning** **Session Chair:** Siva Bayyavarapu
IRI 55 (15 min)	Benchmarking SLM and LLM in Feature Generation for Interpretable Automated Essay Scoring *Chovanec, Kevin, Fields, John, Madiraju, Praveen*
IRI 135 (15 min)	Latent Confidence Alignment for LLM Self-Assessment *Chen, Ting-Yu, Yu, Tingting, Huang, Pei-Cing, Hsu, Chan, Lin, Ming-Yen, Kang, Yihuang*
IRI 147 (15 min)	ADVENT: LLM-Driven Automatic Predicate Invention for ILP *Yu, Tingting, Huang, Pei-Cing, Hsu, Chan, Ku, Chan-Tung, Kang, Yihuang*
IRI 152 (15 min)	When Not to Edit: Reliability Diagnostics for Activation-Space Interventions in Language Models *Osafo, Nana, Yaw, Doku, Ronald, Rawat, Danda*
IRI 157 (15 min)	Evaluating and Improving Pedagogical Fit in LLM-Based AI Tutors with the Pedagogical Suitability Index *Barlog, Benjamin, Craig, Hudson, Peng, Zedong*
IRI 228 (15 min)	**Machine Learning Evaluation of Generative AI Debugging Feedback Plausibility for Introductory Python Programming** *Bouzar-Benlabiod, Lydia, Toscano, Brendan, Benoit, Darcy*
	Session B2 **Time Series Forecasting & Energy Analytics** **Session Chair:** Yan Lu

IRI 101 (15 min)	CAP-STN: Continuous Adaptive Spatial Propagation for Large-Scale Spatio-Temporal Forecasting *Akbari Lor, Mohammadreza, Chen, Shu-Ching, Shyu, Mei-Ling*
IRI 115 (15 min)	Improving Zero Shot Forecasting with Support Series and Multivariate Sensor Context *Thayer, Harrison, Panangadan, Anand*
IRI 156 (15 min)	STAR: Spectral and Trend Adaptive Regime-Guided Forecasting for Multivariate Time Series *Abujar, Sheikh, Zhang, Chengcui*
IRI 139 (15 min)	Risk-Aware Multi-Task Graph Neural Surrogate for Operational Event Prediction in Distribution Feeders *Hou, Bodong, Xu, Wangjie, Foo, Simon, Chen, Wei-Bang, Xiang, Xuanchen*
IRI 200 (10 min)	Understanding the Limitations of Machine Learning for IoT Anomaly Detection under Extreme Class Imbalance *Dutta, Juli*
3:00-3:15pm	**Coffee Break**
3:15-5:00pm	**Session C**
	Session C1 **Security, Privacy & Adversarial ML** **Session Chair:**
IRI 126 (15 min)	Cross-Cutting Security Analysis of LLM-Generated Code via Metamorphic Testing and Association Rule Mining *Peng, Zedong, Wang, Chenggang, Zhu, Shangyue*
IRI 56 (15 min)	A Privacy-Preserving Framework Using Remote Data Science for Inter-Institutional Student Retention Prediction *Fields, John, Thota, Ruchitha, Chen, Victor, Madiraju, Praveen, Islam, K M Sajjadul*
IRI 132 (15 min)	Which Genes Leak? Feature-Level Privacy Auditing for Synthetic Single-Cell RNA-Seq Data *Feng, Shuya, Geng, Baocheng*
IRI 211 (10 min)	Learning-based Denial-of-Key-Generation (DoKG) Attack Against Quantum Key Distribution *Awasthi, Shradha, Islam, Shafkat, Hossain, Md Tamjid*
IRI 213 (10 min)	E3TR: Encrypted Evidence-Based Event Timeline Reconstruction Using Multi-Artifact Correlation for Network Forensics *Yahaya, Ayodeji, Liu, Qingzhong*
IRI 15 (10 min)	Towards Lightweight Defense against Gradient-Based Adversarial Attacks in Internet of Medical Things (IoMT) Systems *Liang, Hengshuo, Qian, Cheng, Mulo, John, Qian, Mian, Lu, Chao, Yu, Wei*
IRI 204 (10 min)	MobileTransfer: Cross-Dataset Transfer Evaluation for Mobile-Money Fraud Detection *Jia, Xiaoke, Peng, Zedong, Wang, Chenggang*
	Session C2 **Computer Vision I: Detection, Segmentation & Generation** **Session Chair:**
IRI 50 (15 min)	Mitigating Task Interference in Multimodal Glioma Segmentation via Region-Specific Modality Gating *Savaria, Evan, Sun, Jiangwen*
IRI 81 (15 min)	SOM2IMG: Self-Organizing Map Based Tabular-to-Image Transformation for Deep Learning *Kim, Wooyoung, Selke, William*
IRI 97 (15 min)	CoDiM: Contrastive Distillation into Generative Models for Scalable Dataset Distillation *Hoang, Quang Duy, Hoang, Nam Thang, Nguyen, Huy Hieu, Tran, Hai-Anh, Tran, Truong*
IRI 104 (15 min)	PMRR: AI-assisted Prototype-guided Mask Registration and Restoration Network for Quantum Ghost Imaging *Khan, Shaian, Shyu, Mei-Ling, Chen, Shu-Ching, Kahassai, Nathnael, Hassan, Ahmed, Guerboukha, Hichem*
IRI 119 (15 min)	Graph Generation through Self-alignment in Transformer-based Discrete Diffusion Mode *Lu, Kang, Xiao, Bohan, Liu, Lihui, Dong, Ming*
IRI 130 (15 min)	FC-Siamese-xView2: Fully Convolutional Siamese Networks for Pixel-Level Building Change Detection in Earthquake Damage Assessment *Lu, Yan, conner., ian, Ardiles-Cruz, Erika*

IEEE IRI Conference Day 2: Saturday, August 1st, 2026

8:20-9:30am	**Awards (General Chairs, PC Chairs) Keynote 2: | Session Chair:**
9:30-9:45am	**Coffee Break**
9:45-11:30am	**Session D**
	Session D1 **Healthcare AI I: Diagnostics & Risk Prediction** **Session Chair:**
IRI 92 (15 min)	Identifying Patients at Risk of Sudden Cardiac Arrest using Graph Representation Learning on Electronic Health Records *Ghaffarpour, Fatemeh, Mohammed, Emad A., Far, Behrouz H.*
IRI 114 (15 min)	Machine Learning Models for Predicting Cardiac Mortality in Chronic Heart Failure Patients *Ben Shabat, Itay, Zuvieta, Chelsea, Khoshgoftaar, Taghi*
IRI 137 (15 min)	Stochastic k-Simplex Embedding in High-Dimensional Mass-Spectrometry Cancer Classification *Curtis, Ethan, Billion-Polak, Preston, Khoshgoftaar, Taghi*
IRI 149 (15 min)	The Multi-modal Frontier: Synergizing Proteomics and Imaging for Precision Diagnostics and Mechanistic Discovery in Alzheimer's Disease *Baker, Dominic, Goh, Naven, Kadambi, Prad, Belnavis, Alexander, Steinhauer, Holly, Akpan, Idara, Watkins, Kelsi, Mallick, Ditsa, Tallino, Savannah, Mukherjee, Sujato, Vanhof, Haley, Nordbeck, Abigail, Cho, Yun Xin, Wu, Teresa, Klein-Seetharaman, Judith*
IRI 155 (15 min)	Investigating Class Imbalance and Feature Importance for Predictive Diabetes Analysis *Seliya, Naeem*
IRI 60 (15 min)	Raw EEG Image Representation for CNN-Based Dementia Classification *Sonko, Salleh, Korani, Wael, O'Connor, Brian, Hossain, Gahangir*
IRI 62 (15 min)	Automated and Interpretable Grading for Embryo Fragmentation via Deep Learning *Lee, Ming-Jhe, Wang, Jung-Hua, Wu, Chang-Hong, Chen, Ming-Jer, Yi, Yu-Chiao, Lee, Tsung-Hsien*
EMRITE2601 (15 min)	The Impact of Paid Generative AI on Quality of Life: A Poverty Premium Perspective *Wei-Lun Chang and Yan-Yi Huang*
	Session D2 **Distributed Systems & Model Efficiency** **Session Chair:**
IRI 91 (15 min)	SplitBench: Reusable Benchmarking for Split Learning and Split Federated Learning *Trepac, Samuel, Mills, Joseph, Amannejad, Yasaman*
IRI 136 (15 min)	MUC-FL: Block-Wise Marginal Utility Contribution for Communication-Efficient Federated Learning *Mhatre, Akshay, Karthick, Vikram, Gupta, Deepti, Zou, Jia*
IRI 154 (15 min)	Predicting Performance for Co-Hosted DNNs in Frequently-Updating Environments *Shah, Sarah, Amannejad, Yasaman, Krishnamurthy, Diwakar*
IRI 140 (15 min)	On Optimal Modality Compression for Bandwidth Constrained Multimodal Fusion *Fan, Mengchen, Zhao, Fei, Zhang, Chengcui, Feng, Shuya, Geng, Baocheng*
IRI 112 (15 min)	Comparing Encoding Architectures for Supervised Contrastive Learning in Tabular Classification *Billion-Polack, Preston, Khoshgoftaar, Taghi*
IRI 173 (15 min)	**Inference Under Opposition: Counterfactual Evaluation for Answer Stability in Large Language Models** *Akhand, Md Nafis Tahmid, Akbar, Khandakar Ashrafi, Thuraisingham, Bhavani*
IRI 116 (15 min)	A Data Science Approach for Evaluating Experience Variables in Insurance Risk Modeling *Hu, Naibo*
11:30am-1:00pm	**Lunch Break**
1:00-3:00pm	**Session E**
	Session E1

	Applied Data Science & Decision Support **Session Chair:**
IRI 48 (15 min)	A Data-Driven Optimization Framework for Profitable E-Waste Refurbishment in U.S. Recycling Systems *Rahman, Md saifur, Mahmud, MD Abdullah Al*
IRI 103 (15 min)	AI-Augmented Catastrophe Modeling with An Intelligent Orchestration Workflow *Patel, Jainil Anilkumar, Wang, Tianyi, Hamid, Shahid, Shyu, Mei-Ling, Chen, Shu-Ching*
IRI 121 (15 min)	A CatBoost-Based Ablation Study of Scheduling Heuristics in Automobile Repossession *Sinclair, Andy, Billion-Polak, Preston, Khoshgoftaar, Taghi*
IRI 145 (15 min)	Risk-Stratified Explainability of Attorney Involvement in Workers' Compensation Claims *Zuvieta, Chelsea, Vivian , Gonzalo, Khoshgoftaar, Taghi*
IRI 150 (15 min)	TeleHSupport: A Multimodal, Literacy-Aware AI-enabled Kiosk for User-Centered Care Planning *Poursardar, Faryaneh; Dabhi, Saumya; Montemayor, Ariana; Haislip, Connor; Clarke, Janelle; Barthold, Grace; Gustin, Tina*
IRI 117 (15 min)	MARS: Multi-Agent Re-ranking for Repeat-Order Food Delivery Recommendation *Tian, Jiahao, Wang, Zhenkai*
IRI 194 (10 min)	An Integration Framework Reusing Geochemical Surveys in Crop Nutrient Management *Jaware, Sahana*
	Session E2 **NLP, Sentiment & Multimodal Reasoning** **Session Chair: Dr. Foss David**
IRI 52 (15 min)	The Challenges and the Potential of Multimodal Large Language Model-based Psychological Examination Tools *Joh, Hwayeon, Jung, Joohee, Ryu, SeongGyeong, Sohn, SungHee, Oh, Uran*
IRI 57 (15 min)	Detecting Memorization in LLM Generated Music *Galajda, Jacob, Hua, Kien*
IRI 65 (15 min)	Silicon Sampling via Cross-Survey Transfer *Ku, Chan-Tung, Hsu, Chan, Huang, Pei-Cing, Liu, Frank Cheng-shan, Cheng, I-Ling, Kang, Yihuang*
IRI 78 (15 min)	The .causal Format: Embedded Deterministic Inference for Domain-Agnostic Knowledge Graph Amplification *Foss, David*
IRI 109 (15 min)	SentimentLens: Reconciling Sentiment and Ratings via Dual-Modality in the Hospitality Sector *Jayakody, Dineth, Thenahandi, Pasindu, Jayarathna, Sampath*
IRI 214 (15 min)	Blockchain Governance in the Era of Artificial Intelligence *Thuraisingham, Bhavani*
IRI 138 (15 min)	ForEx: A Formal Verification Framework for Explainable Reasoning in Logical Fallacy Detection and Annotation *Huang, Pei-Cing, Liu, Chienyu, Hsu, Chan, Chen, Ci-Siang, Lee, Pei-Ju, Kang, Yihuang*
3:00-3:15pm	**Break**
3:15-5:00pm	**Session F**
	Session F1 **EM-RITE Workshop** **Session Chair:** Min-Yuh Day
EMRITE2602 (15 min)	VeriPromiseESG4K: A Traditional Chinese ESG Promise Verification Dataset for AI CUP 2026 *Min-Yuh Day, Wei-Chen Huang, Hsin-Ting Lu, Wen-Ze Chen, Yu-Han Huang, Ching-Tai Chen and Yohei Seki*
EMRITE2604 (15 min)	A Reusable Edge AI System for Multimodal AI Companion: Performance and Response Evaluation *Yi-Cing Lu and Huang-Chia Shih*
	Session F2 **Artificial Intelligence for HealthCare (AIHC) Workshop** **Session Chair:**
AIHC3 (15 min)	Comparing Clinical and Machine Learning Approaches for Cardiac Mortality Risk Prediction *Romina Gotzmann, Chelsea Zuvieta and Taghi Khoshgoftaar*

AIHC5 (15 min)	Optimizing ResNet-50 for Multi-Class Diabetic Retinopathy Grading: An Explainable AI Approach *Srinjoy Maji, Vishal Vilas Shinde and Sampson Akwafuo*
AIHC6 (15 min)	Affordable Edge RGB+IR Fusion for Kitchen Safety Monitoring in Permanent Supportive Housing *Sola Lhim, Kiran George, Tabashir Nobari and Anand Panangadan*
AIHC7 (15 min)	End-to-End Digital Twin System for Cardiac Arrest Risk Detection: Design, Implementation, and Feasibility Evaluation *Zahra Safari*
*AIHC8 (15 min)	Minerva: GPU-Accelerated HPC Infrastructure for Biomedical AI and Scientific Computing *Patricia Kovatch, S M Shamimul Hasan, Lili Gai, Tejas Rao, Wei Guo, Hyung Min Cho, Jielin Yu, Yiyuan Liu, Eric Rosenberg, Sumit Saluja and Joshua Baker-Lepain*
7:00-9:00pm	**Banquet**

IEEE IRI Conference Day 3: Sunday, August 2nd, 2026

8:20-9:30am	**Keynote 3: | Session Chair:**
9:30-9:45am	**Coffee Break**
9:45-11:30am	**Session G**
	Session G1 **Computer Vision II & Human-Centered Sensing** **Session Chair:**
IRI 59 (15 min)	Adaptive Temporal Pooling for Environmental Sound Classification *Kim, Seowoo, Ju, Jeongin, Kim, Eojin, Kim, Ju Seong, Im, Sungbin*
IRI 232 (15 min)	Consulting Computer Vision Models Through Image Task Recommendation *Liu, Jianquan, Kawai, Ryo, Omi, Kazuki*
IRI 120 (15 min)	TRACE: Transformer for Regularized and Accurate Cortical ECoG Motor Decoding *Yu, Yifan, Billion-Polak, Preston, Khoshgoftaar, Taghi*
IRI 123 (15 min)	Scalable Multi-User Gaze Estimation for Co-located Environments Using Commodity Webcams *Thenahandi, Pasindu, Mahanama, Bhanuka, Thennakoon, Kumushini, Jayarathna, Sampath*
IRI 129 (15 min)	Egocentric Eye-Tracking in Collaborative Tasks: Quantifying Joint Visual Attention Using Wearable Glasses *Thennakoon, Kumushini, Abeysinghe, Yasasi, Mahanama, Bhanuka, Obadage, Rochana, Ashok, Vikas, Jayarathna, Sampath*
IRI 111 (15 min)	A Reusable Ichthyometrics Framework for Monitoring Activity in High-Density Juvenile Fish Populations *Huang, Zhi-Wei, Wang, JungHua*
IRI 146 (10 min)	Touching and Feeling the Data: A Reusable Software Pipeline for Tactile Statistical Graphs in Accessible Education *Obiuwevwi, Lawrence, Rechowicz, Krzysztof J., Johnson, Jessica M., Frydenlund, Erika F., Ashok, Vikas, Shetty, Sachin, Jayarathna, Sampath*
	Session G2 **Retrieval-Augmented Generation & Knowledge Graphs** **Session Chair:**
IRI 42 (15 min)	Chronofy: A Temporal-Logical Decay Architecture for Information Validity in Time-Aware Retrieval-Augmented Generation *Syed, Muntaser, Silaghi, Marius, Abujar, Sheikh, Akter, Sharun*
IRI 54 (15 min)	Defending Against Knowledge Poisoning Attacks During Retrieval-Augmented Generation *Edemacu, Kennedy, Shashidhar, Vinay M., Abudu, Dan, Tuape, Micheal, Jang, Beakcheol, Kim, Jong Wook*
IRI 100 (15 min)	SynthLineage: Provably Optimal Corpus Distillation and Knowledge Graph Provenance for Collapse-Resistant LLM Fine-Tuning *Kumar, Vikash*
IRI 105 (15 min)	ConstraintKG: Knowledge Graph-Grounded Detection and Repair of Structured Output Hallucinations in LLMs *Kumar, Vikash*

IRI 124 (15 min)	From SQL to Knowledge Graphs: An LLM-Driven Multi-Agent Approach with Data Schema Improvement *Pham Dinh, Khanh, Dang, Quy Anh, Mai Thanh, Lam, Bui Dao Duy, Khanh, Hy, Son Truong*
IRI 127 (15 min)	Explainable AI Question-Answering Framework: Integrating RAG with Knowledge Graph Reasoning *Suman, Reeta, Barisua, Barile*
IRI 231 (15 min)	**TrAFSP: Trace-Retrieval Augmented Few Shot Prompting for Link Generation** *Chaulagain, Nabin, Niu, Nan, Reddivari, Sandeep, Zhang, Jianzhang*
11:30am-1:00pm	**Lunch Break**
1:00-3:00pm	**Session H**
	Session H1 **Applications in Environment & Public Safety** **Session Chair:**
IRI 63 (15 min)	A Guideline-Based Approach for Creating Personalized Storybooks with Generative AI *Yang, Jiseon, Lim, Dahee, Huh, Jinyoung, Chang, Young, Oh, Uran*
IRI 223 (15 min)	Single Image Raindrop Removal for Maritime Images *Muhammad, Xeerak, Schlag, Justin, Wang, Yi, Tong, Yan*
IRI 49 (15 min)	DeepSPE: Predicting the Association between Photospheric Magnetic Field Parameters and Solar Proton Events Using Ensemble Deep Learning *O'Keefe, Patrick, Wang, Jason, Oria, Vincent*
IRI 205 (10 min)	Machine Learning Based Modeling for Diabetes Prediction *Dammalapati, Chandra Sekhar, Wang, Xiaoliang*
IRI 207 (10 min)	Point & Play: A Mobile AR Campus Tour and Scavenger Hunt for Interactive Campus Exploration *Wright, John, Chen, Wei-Bang*
IRI 212 (10 min)	Clusters Overlap Rate in Dirichlet Mixtures *Ouali, Mohammed, Rodriguez, Bautista*
IRI 187 (10 min)	FireDataForge: A Unified Framework for Multi-Source Wildfire Data Retrieval and Integration *Xia, Zeyu, Chen, Lexie, Liu, Ye, Huang, Huilin*
IRI 40 (10 min)	Semi-Automated, Open-Sourced Utility Network Reconstruction using LiDAR and OpenStreetMaps *Acquaviva, Ally, Haddad, Al-Idrisi, Tanuwidjaja, Owen, Vaidhynathan, Deepthi, Prabakar, Kumaraguru, Martinez Biro, David*
IRI 189 (10 min)	Automated Detection of Venous Beading in Fundus Images Using Patch-Based Deep Learning for Diabetic Retinopathy Staging *Tabanjeh, Noor, Chen, Wei-Bang, Lu, Yongjin, Xiang, Xuanchen, Qu, Qian*
	Session H2 **Vision, Language & Emerging Applications** **Session Chair: Min Chen**
IRI 221 (15 min)	**Position Sizing as a Risk-Control Variable: A Closed-Loop GRPO Framework for LLM Trading** *Li, Dazhi, Chen, Min*
IRI 222 (15 min)	**LI-VAD: Lightweight and Interpretable Video Artifact Detection** *Palmer, Laurence, Xiao, Ziang, Li, Haiyi, Kuo, Jay*
IRI 224 (15 min)	**MDF-MLLM: Deep Fusion Through Cross-Modal Feature Alignment for Fundoscopy Classification** *Jordan, Jason, Akbari Lor, Mohammadreza, Koulen, Peter, Shyu, Mei-Ling, Chen, Shu-Ching*
IRI 225 (15 min)	**Scientific AI Agents Must Learn and Share** *Thomas Pan, Jake Y. Chen*
IRI 229 (15 min)	**Scene-First Vehicle-Evidenced Fusion for Urban Flood-Depth Estimation from Street Images** *Guo, HUAQIANG, Li, Olivia, Tong, Yan*
IRI 99 (15 min)	TVDM-LLM: Schema-Aware Natural Language Querying for Transportation Surveillance Video Databases *Chen, Xin, Zhang, Chengcui*