

IEEE IRI 2026 Program

	Friday (July 31st)		Saturday (Aug 1st)		Sunday (Aug 2nd)	
8:20-9:30am	Opening & Keynote 1 Dr. Bhavani Thuraisingham Chair: 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: Room: DISC 162	D2: Distributed Systems & Model Efficiency Chair: 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 <i>Bayyavarapu, Siva Rama Krishna Varma, Venganti, Vijayakumar, Hiremath, Vishwanath</i>
IRI 9 (15 min)	Event-Related MCP Agents for Asynchronous Enterprise Systems <i>Bayyavarapu, Siva Rama Krishna Varma, Venganti, Vijayakumar, Hiremath, Vishwanath</i>
IRI 43 (15 min)	Skill-Based Architecture for Reusable, AI-Native Enterprise Modules: An Empirical Study

	<i>Jathar, Nikhil</i>
IRI 53 (15 min)	RESO-Net: A Reusable Event-Driven AI Framework for Intelligent Network Slice Orchestration in Cloud-Native Telecom Systems <i>MARIMUTHU, GOPALAKRISHNAN</i>
IRI 118 (15 min)	Toward Reusable AI for Edge Offloading: An Empirical Study Under Varying IoT Workloads <i>Zhang, Yixin, Tran, Hai Anh, Tran, Truong</i>
IRI 188 (10 min)	A Lightweight Causal Evidence Pipeline for Root-Cause Localization in Cloud-Native Systems <i>Dua, Mukesh, Gautam, Aniruddha Singh, Chowdhury, Raju, Kundu, Tarun</i>
	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 <i>Obiuwevw, Lawrence, Rechowicz, Krzysztof J., Johnson, Jessica M., Ashok, Vikas, Shetty, Sachin, Jayarathna, Sampath</i>
IRI 161 (10 min)	Epistemic Edge: Subjective Logic Guardrails for LLM-Driven IoT Actuation <i>Syed, Muntaser, Silaghi, Marius</i>
IRI 177 (10 min)	Harmonizing Mass-Shooting Databases for Cross-Source Risk Classification <i>Sharma, Neha, Sharma, Ritesh</i>
IRI 183 (10 min)	Evaluating Classical Deepfake Detection Paradigms on the DF40 Image Benchmark <i>Alfaro Purisaca, Barbara Karina, Cama Castillo, Yulian Andre, Suman, Reeta</i>
IRI 201 (10 min)	Routing Collapse in Classification-Head-Based Mixture-of-Experts Models for Aspect-Based Sentiment Analysis <i>Nagothu, Pranav, Kubek, Mario Michael, Kuzmin, Kiril</i>
IRI 202 (10 min)	Comparison of Explainable AI Techniques for Early Detection of Potential Prediction Failures <i>Suthaharan, Shan</i>
IRI 203 (10 min)	Tracing the Origin Source Attribution of Social Media Profile Images Using Deep Ensemble Learning <i>Bokolo, Biodoumoye, Qingzhong, Liu</i>
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 <i>Chovanec, Kevin, Fields, John, Madiraju, Praveen</i>
IRI 135 (15 min)	Latent Confidence Alignment for LLM Self-Assessment <i>Chen, Ting-Yu, Yu, Tingting, Huang, Pei-Cing, Hsu, Chan, Lin, Ming-Yen, Kang, Yihuang</i>
IRI 147 (15 min)	ADVENT: LLM-Driven Automatic Predicate Invention for ILP <i>Yu, Tingting, Huang, Pei-Cing, Hsu, Chan, Ku, Chan-Tung, Kang, Yihuang</i>
IRI 152 (15 min)	When Not to Edit: Principled Abstention for Activation-Space Interventions in Language Models <i>Osafo, NanaYaw, Doku, Ronald, Rawat, Danda</i>
IRI 157 (15 min)	Evaluating and Improving Pedagogical Fit in LLM-Based AI Tutors with the Pedagogical Suitability Index <i>Barlog, Benjamin, Craig, Hudson, Peng, Zedong</i>
IRI 228 (15 min)	Machine Learning Evaluation of Generative AI Debugging Feedback Plausibility for Introductory Python Programming <i>Bouzar-Benlabiod, Lydia, Toscano, Brendan, Benoit, Darcy</i>
	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

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

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 <i>Ghaffarpour, Fatemeh, Mohammed, Emad A., Far, Behrouz H.</i>
IRI 114 (15 min)	Machine Learning Models for Predicting Cardiac Mortality in Chronic Heart Failure Patients <i>Ben Shabat, Itay, Zuviet, Chelsea, Khoshgoftaar, Taghi</i>
IRI 137 (15 min)	Stochastic k-Simplex Embedding in High-Dimensional Mass-Spectrometry Cancer Classification <i>Curtis, Ethan, Billion-Polak, Preston, Khoshgoftaar, Taghi</i>
IRI 149 (15 min)	The Multi-modal Frontier: Synergizing Proteomics and Imaging for Precision Diagnostics and Mechanistic Discovery in Alzheimer's Disease <i>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</i>
IRI 155 (15 min)	Investigating Class Imbalance and Feature Importance for Predictive Diabetes Analysis <i>Seliya, Naeem</i>
IRI 60 (15 min)	Raw EEG Image Representation for CNN-Based Dementia Classification <i>Sonko, Salleh, Korani, Wael, O'Connor, Brian, Hossain, Gahangir</i>
IRI 62 (15 min)	Automated and Interpretable Grading for Embryo Fragmentation via Deep Learning <i>Lee, Ming-Jhe, Wang, Jung-Hua, Wu, Chang-Hong, Chen, Ming-Jer, Yi, Yu-Chiao, Lee, Tsung-Hsien</i>
	Session D2 Distributed Systems & Model Efficiency Session Chair:
IRI 91 (15 min)	SplitBench: Reusable Benchmarking for Split Learning and Split Federated Learning <i>Trepac, Samuel, Mills, Joseph, Amannejad, Yasaman</i>
IRI 136 (15 min)	MUC-FL: Block-Wise Marginal Utility Contribution for Communication-Efficient Federated Learning <i>Mhatre, Akshay, Karthick, Vikram, Gupta, Deepti, Zou, Jia</i>
IRI 154 (15 min)	Predicting Performance for Co-Hosted DNNs in Frequently-Updating Environments <i>Shah, Sarah, Amannejad, Yasaman, Krishnamurthy, Diwakar</i>
IRI 140 (15 min)	On Optimal Modality Compression for Bandwidth Constrained Multimodal Fusion <i>Fan, Mengchen, Zhao, Fei, Zhang, Chengcui, Feng, Shuya, Geng, Baocheng</i>
IRI 112 (15 min)	Comparing Encoding Architectures for Supervised Contrastive Learning in Tabular Classification <i>Billion-Polack, Preston, Khoshgoftaar, Taghi</i>
IRI 173 (15 min)	Inference Under Opposition: Counterfactual Evaluation for Answer Stability in Large Language Models <i>Akhand, Md Nafis Tahmid, Akbar, Khandakar Ashrafi, Thuraisingham, Bhavani</i>
IRI 116 (15 min)	A Data Science Approach for Evaluating Experience Variables in Insurance Risk Modeling <i>Hu, Naibo</i>
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

	<i>Rahman, Md saifur, Mahmud, MD Abdullah Al</i>
IRI 103 (15 min)	AI-Augmented Catastrophe Modeling with An Intelligent Orchestration Workflow <i>Patel, Jainil Anilkumar, Wang, Tianyi, Hamid, Shahid, Shyu, Mei-Ling, Chen, Shu-Ching</i>
IRI 121 (15 min)	A CatBoost-Based Ablation Study of Scheduling Heuristics in Automobile Repossession <i>Sinclair, Andy, Billion-Polak, Preston, Khoshgoftaar, Taghi</i>
IRI 145 (15 min)	Risk-Stratified Explainability of Attorney Involvement in Workers' Compensation Claims <i>Zuvieta, Chelsea, Vivian, Gonzalo, Khoshgoftaar, Taghi</i>
IRI 150 (15 min)	TeleHSupport: A Multimodal, Literacy-Aware AI-enabled Kiosk for User-Centered Care Planning <i>Dabhi, Saumya, Poursardar, Faryaneh, Gustin, Tina, Montemayor, Ariana, Haislip, Connor, Clarke, Janelle, Barthold, Grace</i>
IRI 117 (15 min)	MARS: Multi-Agent Re-ranking for Repeat-Order Food Delivery Recommendation <i>Tian, Jiahao, Wang, Zhenkai</i>
IRI 194 (10 min)	An Integration Framework Reusing Geochemical Surveys in Crop Nutrient Management <i>Jaware, Sahana</i>
	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 <i>Joh, Hwayeon, Jung, Joohee, Ryu, SeongGyeong, Sohn, SungHee, Oh, Uran</i>
IRI 57 (15 min)	Detecting Memorization in LLM Generated Music <i>Galajda, Jacob, Hua, Kien</i>
IRI 65 (15 min)	Silicon Sampling via Cross-Survey Transfer <i>Ku, Chan-Tung, Hsu, Chan, Huang, Pei-Cing, Liu, Frank Cheng-shan, Cheng, I-Ling, Kang, Yihuang</i>
IRI 78 (15 min)	The .causal Format: Embedded Deterministic Inference for Domain-Agnostic Knowledge Graph Amplification <i>Foss, David</i>
IRI 109 (15 min)	SentimentLens: Reconciling Sentiment and Ratings via Dual-Modality in the Hospitality Sector <i>Jayakody, Dineth, Thenahandi, Pasindu, Jayarathna, Sampath</i>
IRI 214 (15 min)	Blockchain Governance in the Era of Artificial Intelligence <i>Thuraisingham, Bhavani</i>
IRI 138 (15 min)	ForEx: A Formal Verification Framework for Explainable Reasoning in Logical Fallacy Detection and Annotation <i>Huang, Pei-Cing, Liu, Chienyu, Hsu, Chan, Chen, Ci-Siang, Lee, Pei-Ju, Kang, Yihuang</i>
3:00-3:15pm	Break
3:15-5:00pm	Session F
	Session F1 EM-RITE Workshop Session Chair: Min-Yuh Day
EMRITE2601 (15 min)	The Impact of Paid Generative AI on Quality of Life: A Poverty Premium Perspective <i>Wei-Lun Chang and Yan-Yi Huang</i>
EMRITE2602 (15 min)	VeriPromiseESG4K: A Traditional Chinese ESG Promise Verification Dataset for AI CUP 2026 <i>Min-Yuh Day, Wei-Chen Huang, Hsin-Ting Lu, Wen-Ze Chen, Yu-Han Huang, Ching-Tai Chen and Yohei Seki</i>
EMRITE2604 (15 min)	A Reusable Edge AI System for Multimodal AI Companion: Performance and Response Evaluation <i>Yi-Cing Lu and Huang-Chia Shih</i>
	Session F2 Artificial Intelligence for HealthCare (AIHC) Workshop Session Chair:
AIHC3 (15 min)	Comparing Clinical and Machine Learning Approaches for Cardiac Mortality Risk Prediction <i>Romina Gotzmann, Chelsea Zuvieta and Taghi Khoshgoftaar</i>

AIHC5 (15 min)	Optimizing ResNet-50 for Multi-Class Diabetic Retinopathy Grading: An Explainable AI Approach <i>Srinjoy Maji, Vishal Vilas Shinde and Sampson Akwafuo</i>
AIHC6 (15 min)	Affordable Edge RGB+IR Fusion for Kitchen Safety Monitoring in Permanent Supportive Housing <i>Sola Lhim, Kiran George, Tabashir Nobari and Anand Panangadan</i>
AIHC7 (15 min)	End-to-End Digital Twin System for Cardiac Arrest Risk Detection: Design, Implementation, and Feasibility Evaluation <i>Zahra Safari</i>
AIHC8 (15 min)	Minerva: GPU-Accelerated HPC Infrastructure for Biomedical AI and Scientific Computing <i>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</i>
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 <i>Kim, Seowoo, Ju, Jeongin, Kim, Eojin, Kim, Ju Seong, Im, Sunghin</i>
IRI 232 (15 min)	Consulting Computer Vision Models Through Image Task Recommendation <i>Liu, Jianquan, Kawai, Ryo, Omi, Kazuki</i>
IRI 120 (15 min)	TRACE: Transformer for Regularized and Accurate Cortical ECoG Motor Decoding <i>Yu, Yifan, Billion-Polak, Preston, Khoshgoftaar, Taghi</i>
IRI 123 (15 min)	Scalable Multi-User Gaze Estimation for Co-located Environments Using Commodity Webcams <i>Thenahandi, Pasindu, Mahanama, Bhanuka, Thennakoon, Kumushini, Jayarathna, Sampath</i>
IRI 129 (15 min)	Egocentric Eye-Tracking in Collaborative Tasks: Quantifying Joint Visual Attention Using Wearable Glasses <i>Thennakoon, Kumushini, Abeysinghe, Yasasi, Mahanama, Bhanuka, Obadage, Rochana, Ashok, Vikas, Jayarathna, Sampath</i>
IRI 111 (15 min)	A Reusable Ichthyometrics Framework for Monitoring Activity in High-Density Juvenile Fish Populations <i>Huang, Zhi-Wei, Wang, JungHua</i>
IRI 146 (10 min)	Touching and Feeling the Data: A Reusable Software Pipeline for Tactile Statistical Graphs in Accessible Education <i>Obiuwevw, Lawrence, Rechowicz, Krzysztof J., Johnson, Jessica M., Frydenlund, Erika F., Ashok, Vikas, Shetty, Sachin, Jayarathna, Sampath</i>
	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 <i>Syed, Muntaser, Silaghi, Marius, Abujar, Sheikh, Akter, Sharun</i>
IRI 54 (15 min)	Defending Against Knowledge Poisoning Attacks During Retrieval-Augmented Generation <i>Edemacu, Kennedy, Shashidhar, Vinay M., Abudu, Dan, Tuape, Micheal, Jang, Beakcheol, Kim, Jong Wook</i>
IRI 100 (15 min)	SynthLineage: Provably Optimal Corpus Distillation and Knowledge Graph Provenance for Collapse-Resistant LLM Fine-Tuning <i>Kumar, Vikash</i>
IRI 105 (15 min)	ConstraintKG: Knowledge Graph-Grounded Detection and Repair of Structured Output Hallucinations in LLMs <i>Kumar, Vikash</i>

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