Tentative Program

2ⁿᵈ International Conference on

ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

📅 **June 09-11, 2025, Seattle, WA**
June 12, 2025, Online

📍

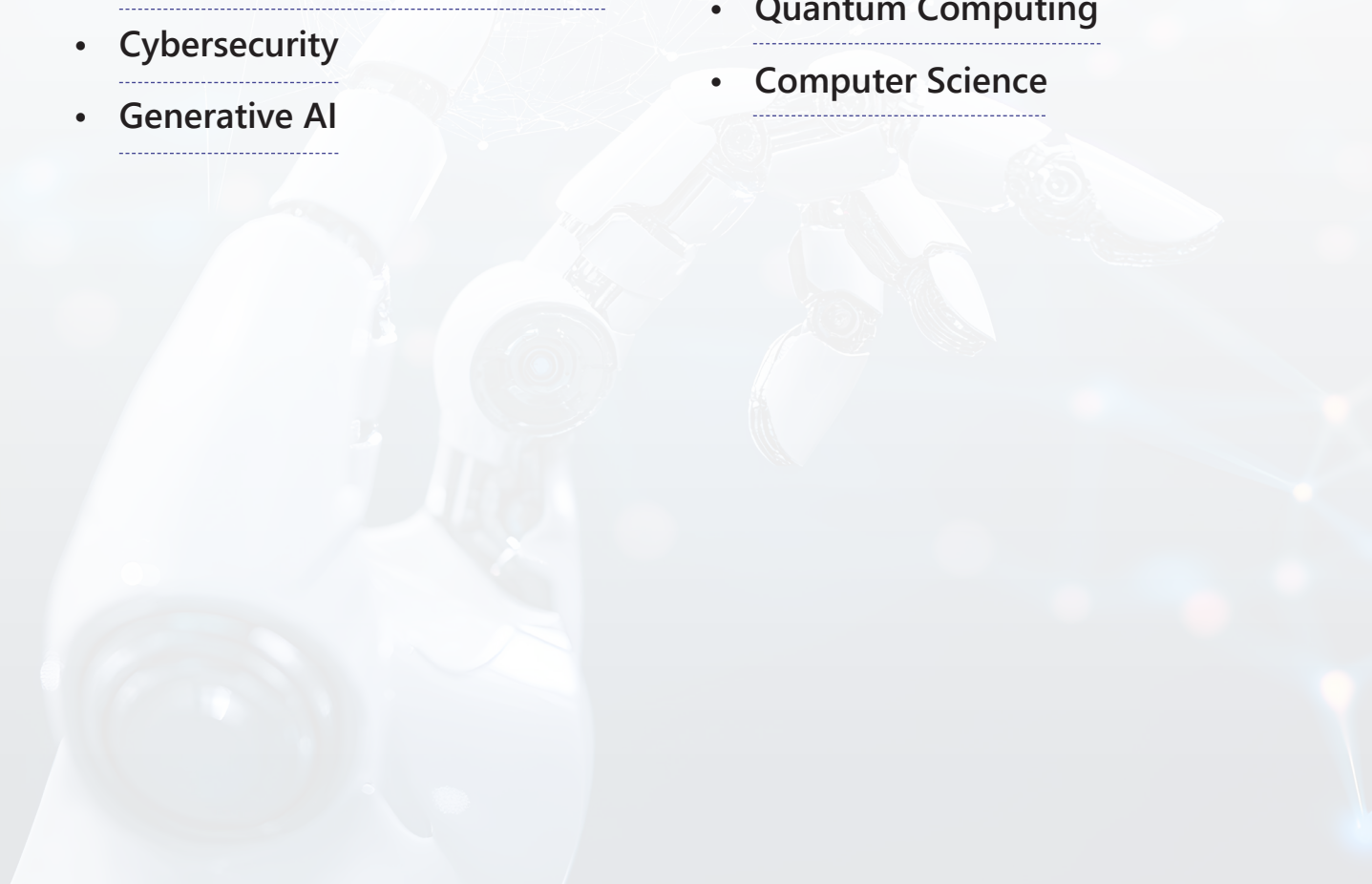**DoubleTree by Hilton Hotel Seattle Airport**
18740 International Blvd
Seattle, WA

SCIENTIFIC SESSIONS

- AI Algorithms
- AI Infra, Tools & Applications
- Artificial General Intelligence (AGI)
- Artificial Neural Networks & Architecture (ANN)
- Machine Learning
- Computer Vision
- Deep Learning
- Data Mining
- Human Computer Interaction
- High Performance Computing
- Cybersecurity
- Generative AI

- Mathematics & AI
- AI in Medicine
- AI Education
- Natural Language Processing
- Expert System
- Robotics
- Virtual & Augmented Reality
- Data Science & Big Data Engineering
- Cloud Automation
- AI Graphics
- Quantum Computing
- Computer Science

Key Note Presentations

Gunnar Carlsson, Stanford University, CA, USA
Topology for AI

Ming-Hui Huang, National Taiwan University, Taiwan
Roland T. Rust, University of Maryland, MD, USA
GenAI Trajectory: From Democratization to the Average Trap to Model Collapse

Craig Kaplan, iQ Company, CA, USA
Safe SuperIntelligence

David Doermann, University at Buffalo, NY, USA
Do we stand a chance? On Rapid Advancement of Generative AI

Russell W. Belk, York University, Canada
Death Technologies and Digital Afterlife: An Ethical Perspective

Huan Liu, Arizona State University, AZ, USA
TBA

Oral Presentations

Artificial General Intelligence (AGI) | Generative AI

Xiaofan Yu, The University of California, CA, USA
SensorChat: Interacting with Multimodal Sensors in Daily Life using Natural Language

Henry Hexmoor, Southern Illinois University, IL, USA
Generative AI Versus Artificial General Intelligence

Hanlin Zhang, Harvard University, MA, USA
How Does Critical Batch Size Scale in Pre-training?

Aditi Madhusudan Jain, Amazon, WA, USA
The AI content revolution in E-commerce: Boosting Sales, Tracking Ethics, and shaping Tomorrow's Shopping

Karanbir Singh, Salesforce, San Francisco, CA
Evaluating a ReAct-Based Agent for Agricultural Planning

- -
Break
- -

Machine Learning | Natural Language Processing

Dawood Qamar, The Islamia University of Bahawalpur, Pakistan
Prediction of Mental Health Disorder: An Identification of Precise and Reliable Machine Learning Algorithm

Sultan Ahmed Almalki, Najran University, Saudi Arabia
Advanced Strategies for Traffic Management and Safety in Cooperative ITS with NGSIM

TENTATIVE PROGRAM

Zhong Chen, Southern Illinois University, IL, USA
Towards Interpretable, Adaptive, and Robust Online Machine Learning for Data Streams with Multiple Streaming Natures

Moongu Jeon, Gwangju Institute of Science & Technology, South Korea
Training Strategies for Remote Sensing Object Detection

Bin Luo, Kennesaw State University, GA, USA
Concave-Regularized Neural Networks for High-Dimensional Feature Selection

Lac Nguyen, Quantum Computing Inc, NJ, USA
Financial Fraud Detection with Entropy Computing

Mohammed Alshahrani, Najran University, Saudi Arabia
Advancing Arabic NLP: Evaluating Large Language Models for Emotion Detection in Digital Communication

Arit Kumar Bishwas, PricewaterhouseCoopers (PWC), CA, USA
From Thought to Motion: Unifying Agentic 'Brains' and Physical 'Muscles' for End-to-End Embodied Intelligence

Konstantinos Karageorgos, Welocalize, Greece
TBA

Poster Presentations & Networking Drinks

Dmitry Shapiro, MindStudio, CA, USA
TBA

Selvarajah Mohanarajah, The University of North Carolina at Pembroke, NC, USA
Equitable Privacy-Preserving Machine Learning Algorithms

Takunda Victor Chivizhe, University of the Witwatersrand, South Africa
Artificial Intelligence Adoption and its Effect on Online Retail Marketing Performance in Emerging Markets

Mohammed Abu Shquier, Jerash University, Jordan
Smart Arabic Text Diacritization and Legal Liability: A Deep Learning Approach

Seung Hwan Park, Chungnam National University, South Korea
Application to Convolutional Neural Network for Chirality Prediction Modeling

Slots are Available

Plenary Talk

David G Stork, Stanford University, CA, USA
Recent triumphs and future opportunities for computer-assisted connoisseurship of fine art paintings and drawings

Key Note Presentations

Chirag Shah, University of Washington, WA, USA
AI Agents Renaissance: Personalization, Proactivity, and Privacy

Demetri Terzopoulos, University of California, CA, USA
TBA

Oral Presentations

AI in Medicine, AI Infra, Tools & Applications | Cybersecurity | Computer Science

Jianyuan Ni, Juniata College, PA, USA
Cross-modal knowledge distillation for wearable sensor-based human action recognition

Shadrokh Samavi, Seattle University, WA, USA
Machine Learning for Medical Image Analysis

Oluwafunmilola Deborah Awe, State University of Campinas, Brazil
Machine Learning vs Traditional Statistical Methods for Predicting Postpartum Hemorrhage

Zixuan Liang, Harrisburg University of Science and Technology, PA, USA
The Application of Artificial Intelligence in Media Production: Trends, Challenges, and Future Directions

Yongbeom Cho, Deep ET, South Korea
Lightweight and Optimized Deep Learning Architectures for Mobile Visual Computing on Edge Platforms

Break

Yunhao Jiao, TestSprite, WA, USA
But Who's Watching The Machines? Using AI To Test GenAI-Writted Code

Ahmed Rashad, Perle,WA, USA
Beyond Big Data: How Human Expertise Unlocks AI's Full Potential

Cao Thang Bui, California State University, Monterey Bay, CA, USA
Enhancing Access Control Research with AI-Generated Policies

Tamirat Abegaz, University of North Georgia, GA, USA
From Scan to Scam: Machine Learning for Malicious QR Code Detection Attacks

Suhail Mahmood, Providence Health & Services, WA, USA
A Predictive Model of Anomaly Tracking for an Enterprise Monitoring System: Representation of Causal Relations in a Directed Acyclic Graph

TENTATIVE PROGRAM

Ian Fultz, University of North Carolina at Pembroke, NC, USA
Equitable Privacy Preserving ML Systems

Mohammed Alqahtani, Najran University, Saudi Arabia
Immersive Learning in Biology Education: Enhancing Student Engagement through AR/VR Technology

Michael Koenig, Seattle University, WA, USA
TBA

- -
Slots are Available
- -

Oral Presentations

AI Algorithms | Robotics | Artificial Neural Networks & Architecture

Steven Moss, Mendit.AI Inc, WA, USA
Explaining Model Decisions Using Decision Intelligence

Wei Dong, Ann Arbor Algorithms, MI, USA
The Ann Arbor Architecture for Agent-OrientedProgramming

Yuchen Cui, The University of California, CA, USA
Interactive Robot Learning from Human Teachers

Tara Javidi, The University of California, CA, USA
Active Physical Intelligence: The First Curiosity-Driven LearningParadigm Designed for the Physical World

-----

Slots are Available

Keynote Presentations

Max Welling, University of Amsterdam, Neitherlands
Transforming Scientific Innovation with AI

Vincent Aleven, Carnegie Mellon University, PA, USA
Use of GenAI to Help Author Intelligent Tutoring Systems

Alexandros G Dimakis, University of Texas, TX, USA
OpenThinker: Post-training a Reasoning model with Open Data

Bernd Carsten Stahl, University of Nottingham, United Kingdom
TBA

Oral Presentations

Artificial General Intelligence (AGI)Generative AI | AI in Medicine | AI Infra, Tools & Applications

Xindong Wu, Hefei University of Technology, China
Towards Interpretable, Adaptive, and Robust Online Machine Learning for Data Streams with Multiple Streaming Natures

Ali Asghar Mehdi Syed, Imprivata, FL, USA
Bridging Technology and Strategy: Advancing Digital Transformation through Enterprise Architecture and Cloud Innovation

Dylan Bouchard, CVS Health, MA, USA
LangFair: A Framework and Toolkit for Evaluating Bias and Fairness in Large Language Model Use Cases

Varun Varma Sangaraju, Cognizant, TX, USA
Advancing AI-Driven Healthcare and Secure Distributed Systems: Real-World Innovations in Automation, Analytics, and Diagnostics

Gautami Nadkarni, Google, NJ, USA
The Rise of Agentic Workflows: Reshaping Industries and how

Prashanthi Matam, DFS Corporate Services LLC, WA, USA
Maximizing ROI and Sustainability in AI Infrastructure: Cost-Effective, Energy-Efficient Strategies for Modern Data Centers

Ranita Ganguly, Delaware State University, NJ, USA
Future Trends in Mobile News Consumption

Machine Learning & Big Data Engineering

Efthymia Tsamoura, Samsung AI, United Kingdom
Neurosymbolic Learning: Opportunities and Challenges

Chandrashekar Muniyappa, Upgrade Inc., CA, USA
Context-Based Fake News Detection using Graph Based Approach : A COVID-19 Use-case

Sangeeta Anand, Danville, VA, USA
Seasoned Data Analyst & Reporting Specialist | Expert in Power BI, SQL, and Data Visualization

Abdul Jabbar Mohammad, Metanoia Solutions Inc, MI, USA
Leveraging Data Integration and Workforce Analytics to Transform Enterprise Operations

Sai Srikanth Gorthy, ByteDance (TikTok), CA, USA
Looking Beyond the Data: Navigating the Challenges of Biased Samples

---

Break

Artificial Neural Networks & Architecture (ANN)Cybersecurity | Natural Language Processing | Cloud Automation

Chao Wang, China Academy of Railway Sciences Corporation Limited, China
WSSGCN: Wide Sub-stage Graph Convolutional Networks

Krishna Chaitanya Chaganti, S&P GLOBAL, FL, USA
Driving Enterprise Security: Leadership in Application Security, Vulnerability Management, and Secure SDLC Implementation across Globa Teams

Fengxiang Cheng, University of Amsterdam, Netherlands
Empowering LLMs with Logical Reasoning: A Comprehensive Survey

Pavan Paidy, FINRA, WV, USA
Navigating the Complex World of InfoSec: A Veteran Consultant's Journey Through Application Security, Risk, and Compliance

Poster Presentations

Peixi Xiong, Intel Labs, OR, USA
Context Is All You Need: Efficient Retrieval-Augmented Generation for Domain-Specific Artificial Intelligence

Fernando Jia, UC Berkeley/Starward Games, CA, USA
AI Agent for Co-creation Ecosystem: Elevating Human-AI Co-creation through Emotion Recognition and Dynamic Personality Adaptation

Ashley Wu, Lexington High School, MA, USA
Active Learning for Abrupt Shifts Change-point Detection via Derivative-Aware Gaussian Processes

We wish to see you at
AIM-2025

June 09-11, 2025 | Seattle, WA
June 12, 2025 | Online

Organized by

UNITED | Scientific Group
A non-profit organization

USG United Scientific Group
(A non-profit organization)

8105, Rasor Blvd - Suite #112, PLANO, TX 75024
Tel: +1-469-854-2280/81; **Fax:** +1-469-854-2278; **Toll free:** +1-844-395-4102;
Email: aim@uniscigroup.org
Web: https://artificialintelligence.unitedscientificgroup.org/