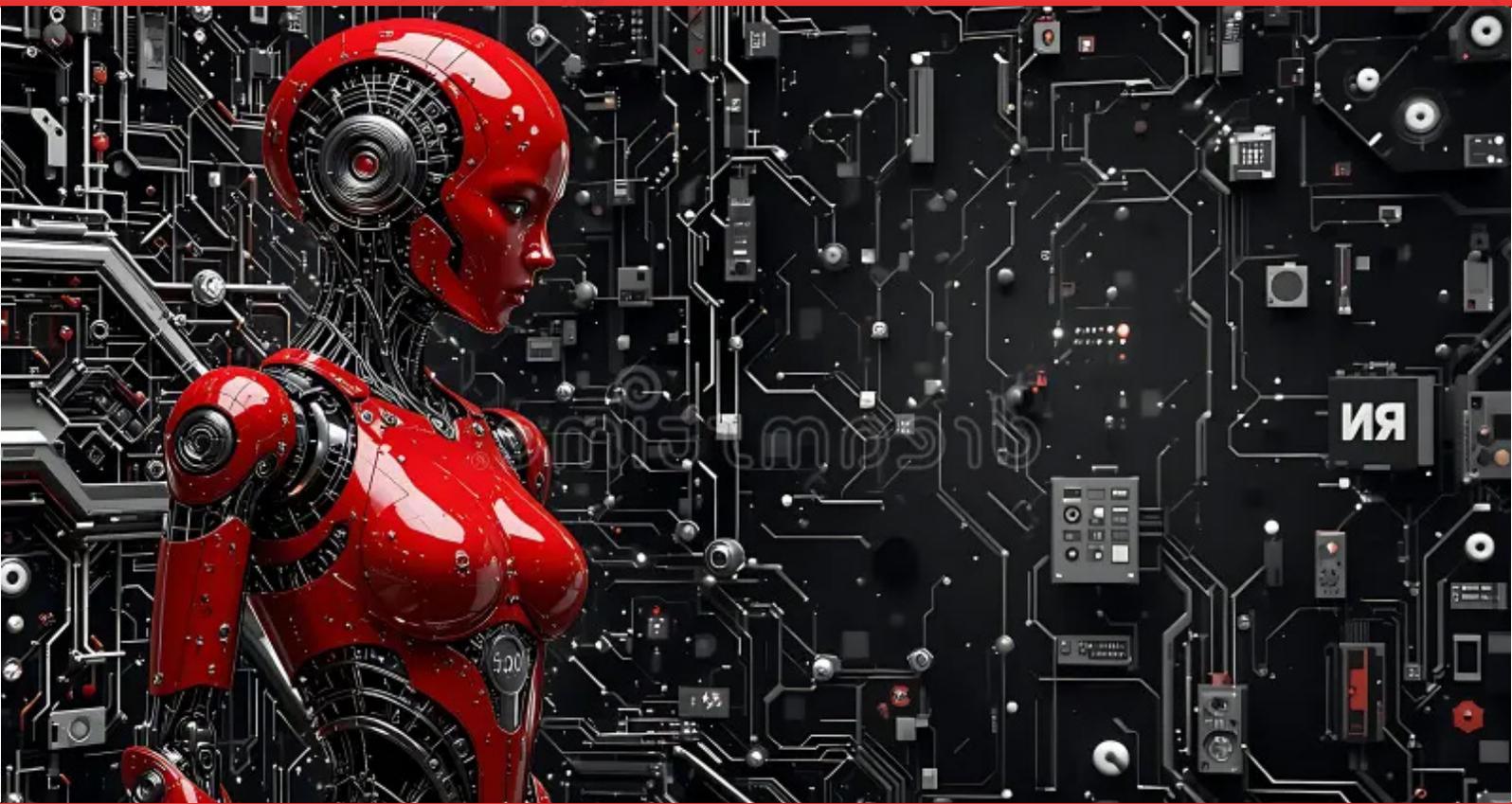




1007 N Orange St. 4th Floor Suite #3199,  
Wilmington, Delaware 19801, USA

# SCIENTIFIC PROGRAM



2nd International Conference on

# ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

July 06-07, 2026 | Singapore

*Theme: Shaping Tomorrow with AI & ML: Innovation, Ethics, and Impact*

<https://artificialintelligence.novelticsconferences.com>

# SCIENTIFIC PROGRAM

DAY 1: JULY 06, 2026

Registration Desk Opens | 08:00-08:45

Opening Ceremony & Inaugural Address | 08:45-09:00

## KEYNOTE FORUM

**Thomas A Teklemariam, Canadian Food Inspection Agency, Canada**

10:00-10:30

Title: Spectral Fingerprinting and AI-Based Classification of Adulterants in Ground Turmeric

**Nazime Tuncay, Independent researcher, Cyprus**

10:30-11:00

Title: Humans with AI: Time to Wake Up Before Machines Decide

## 11:00- 11:15 COFFEE BREAK

**Sessions:** Deep Learning & Neural Networks | Natural Language Processing | Computer Vision | Ethics, Fairness, and AI Policy | Reinforcement Learning (RL) | Edge AI and IoT Applications | AI in Healthcare | Data Science and Big Data | Quantum Computing and AI | Human-Computer Interaction (HCI) and AI | AI Applications | AI for Cybersecurity | AI for Education | AI for Sustainability | Robotics Explainable AI (XAI)

**Chair:** Nazime Tuncay, Independent researcher, Cyprus

**Julius Jefferies, Simply Healing LLC, USA**

11:15-11:35

Title: Algorithmic Conditioning: AI, Social Media, and the Future of Societal Development

**Ivana Nikolik, AtoS, Netherland**

11:35-11:55

Title: Explainable AI (XAI): From Black Boxes to Trusted Decisions in Highly Regulated Industries

**Armstrong Foundjem, Canada**

11:55-12:15

Title: Adversarial Attack Classification and Robustness Testing for Large Language Models for Code

**Parminder Singh, Redscope.ai, USA**

12:15-12:35

Title: The "Long-Running" Problem: State Management for Autonomous Agents

**Nazime Tuncay, Independent researcher, Cyprus**

12:35-12:55

Title: Hope, Fear, Responsibility, and Expectations: Early Adolescents' Perceptions of Artificial Intelligence and Robots

## GROUP PHOTO & LUNCH BREAK | 12:55-14:00

**Priyansha Choukse, USA**

14:00-14:20

Title: The Illusion of Relevance

**Cheah Suan Ching, Intel Microelectronics, Malaysia**

14:20-14:40

Title: From Natural Language to Data Insights: A Generative AI Assistant for Enterprise Analytics Platforms

**14:40-15:00** **Dalia EINakib, Egypt**  
Title: Quantum Computing and AI

**15:00-15:20** **Armand Angeli, DFCG, France**  
Title: Smartly Implementing Intelligent Automation and Artificial Intelligence in Finance Functions

**15:20-15:40** **Thiara de Alwis, University of Bristol, UK**  
Title: Collective Reasoning in AI: How Multi-Agent Debate Shapes Ethics

**15:40-16:00** **Bishal Panthi, USA**  
Title: Modeling the Impact of Explainability on Memory Retention: A Comparative Study of ACT-R and LSTM for Decision Trees and Logistic Regression

**16:00 – 16:15 COFFEE BREAK**

**16:20-16:40** **Milind, Mercedes-Benz, Singapore**  
Title: AI Transformation for Leaders - A Strategic Playbook for the Structural Shift from Software to Workforce

**16:40-17:00** **Gyoungju Lee, Korea National University of Transportation, South Korea**  
Title: A Spatial-Aware Stacking Ensemble for Store Closure Prediction: Combining GWR and XGBoost

**NETWORKING & B2B MEETING**

**END OF DAY 1**

**DAY2: JULY 07, 2026**

Opening Ceremony & Inaugural Address | 09:00-09:15

Opening Ceremony & Inaugural Address

**KEYNOTE FORUM**

**10:00-10:30** **Syaza Lyana, Albukhary International University, Malaysia**  
Title: Personalized Multimodal Learning Framework Using NLP and Voice User Interfaces for Supporting Children with Dyslexia

**Sessions:** Advanced Materials Synthesis and Characterization | Composite Materials | Nanomaterials and Nanotechnology | Smart and Responsive Materials | Nanodevices and Nanosystems | Nanotechnology in Electronics and Photonics | Nano-Bio Interface and Nanotoxicology | Biomaterials and Biotechnology | Structural Materials and Engineering

**10:30-11:00** **Jinhee Jung, Korea National University of Transportation, South Korea**  
Title: Analysis of Factors Affecting Residential Satisfaction: Using NLP-Based Opinion Mining and BERTopic

**REFRESHMENT BREAK 11:00- 11:15**

**Hye-ryeon Jo, Gyeongsang National University, South Korea**

**11:15-11:45**

Title: Exploring Scale-Dependent Determinants of Internal Migration Using Explainable Machine Learning: Evidence from South Korea

**Hao Lijie, Zhejiang Wanli University, China**

**11:45-12:15**

Title: Impacts of AI-enhanced Task-based learning on EFL postgraduates' higher order thinking skills and English academic writing self-efficacy

**Jiixin Cai, Xiamen University of Technology, China**

**12:15-12:45**

Title: Later Temporal Attention in Computer Aided Medical Diagnosis

**LUNCH BREAK | 12:45- 13:45**

**Moudjari Maroua, Higher Normal School of Technological Education of Skikda, Algeria**

**13:45-14:15**

Title: Comparative study of valorization of quarry sand with brick sand and marble

**Tegenu Argaw Woldegiyorgis, Ethiopia**

**14:15-14:45**

Title: Operative estimation of global horizontal irradiance using transfer functions through network types of artificial neural network in some selected sites in North-East Ethiopia: assessment and comparison

**REFRESHMENT BREAK 15:45-16:00**

**16:00- 18:00 POSTER SESSION @ MEETING ROOMS**

**\*\*Slots Available\*\***

**PANEL DISCUSSION**

**Closing Ceremony**