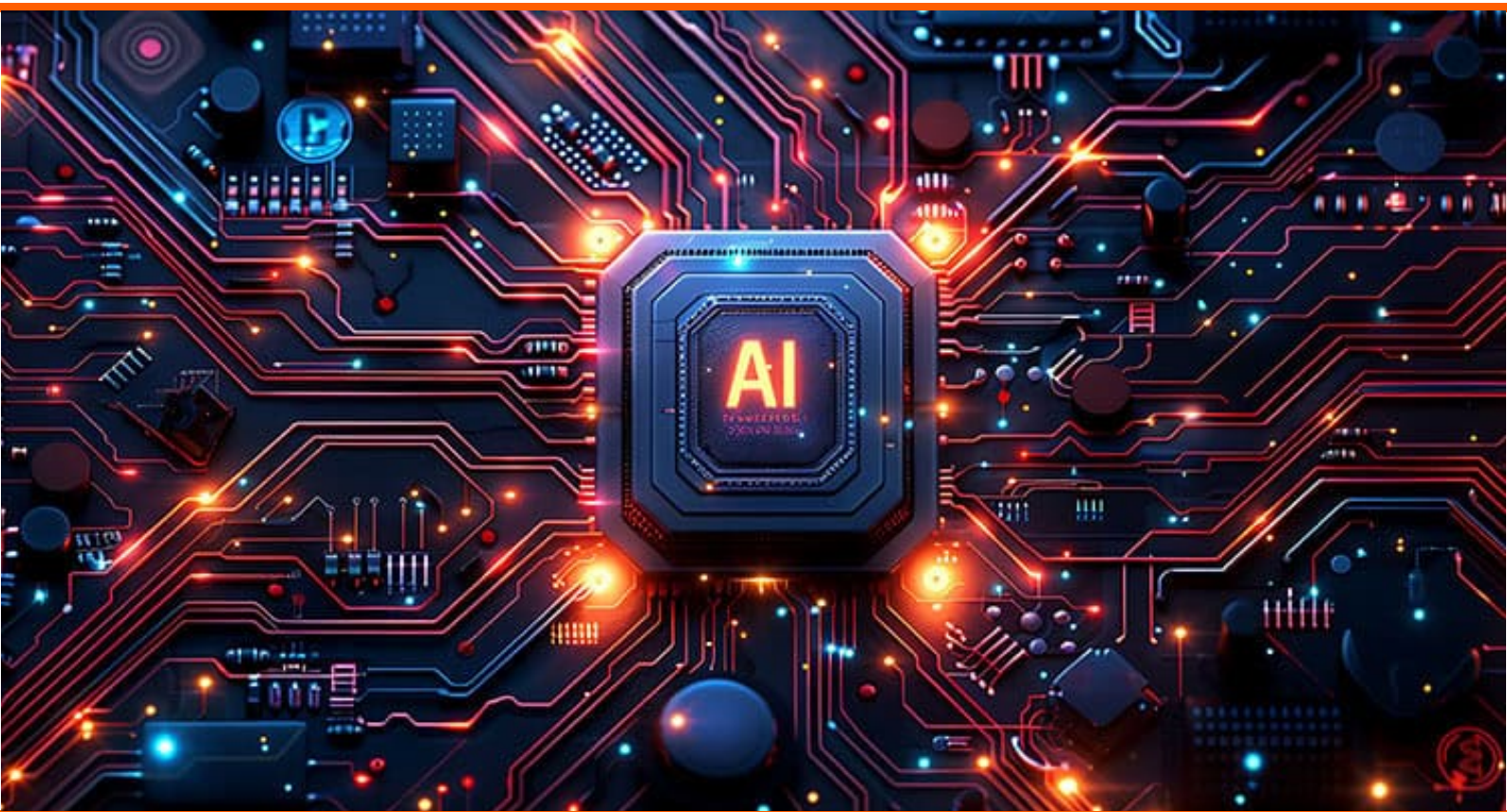




1007 N Orange St. 4th Floor Suite #3199,
Wilmington, Delaware 19801, USA

SCIENTIFIC PROGRAM



International Conference on

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

July 21-22, 2025 | London, UK

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

SCIENTIFIC PROGRAM

DAY 1 | JULY 21, 2025

Registration Desk Opens

Opening Ceremony & Inaugural Address

KEYNOTE FORUM

Richard Carter, *Proximie, UK*

10:00-10:45

Title: AI in Healthcare: Enhancing Human Expertise with Real-Time Intelligence

COFFEE BREAK | 10:45-11:00

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: Richard Carter, Proximie, UK

John M. Abrahams, *New York Brain and Spine Surgery, USA*

11:00-11:30

Title: Artificial Intelligence & Applications in Neurosurgery

Michael Stark, *The New European Surgical Academy, Germany*

11:30-12:00

Title: Is ai guided surgical Robotics a Realistic option?

Stefano Regondi, *Director NLAB Research Center, Italy*

12:00-12:30

Title: Artificial intelligence empowered voice generation for amyotrophic lateral sclerosis patients

Isam Zabalawi, *Australian University. Kuwait*

12:30-13:00

Title: Rethinking Engineering Education: Harnessing AI's Transformative Power

LUNCH BREAK | 13:00-14:00

Damilare Daramola, *Federal University of Technology Akure, Nigeria*

14:00-14:30

Title: Predicting Hypertension Risk Using Machine Learning Technique with a Web Application Interface

Priya Hays, *USA*

14:30-15:00

Title: Artificial Intelligence and Machine Learning for Cytopathological Applications of Cancer

Waha Noomene, *Polytechnic University of Hauts-de-France, France*

15:00-15:30

Title: Personalizing Learning Through AI: Combining Reinforcement Learning, LLMs, and Recommendation Systems

Domenico Desiato, *University of Bari Aldo Moro, Italy*

15:30-16:00

Title: Enhancing the Sharing and the Management of Personal Data in Cybersecurity Landscape

16:00-16:15 | COFFEE BREAK

Mehmet Zeki SEÇMEN, *Bingöl Üniversitesi Business Management, Turkey*

16:20-16:50

Title: Automobile Demand Forecasting with NARX (Nonlinear Autoregressive with Exogenous Inputs) Artificial Neural Networks Model

Tegenu Argaw Woldegiyorgis, *Ethiopia*

16:50-17:20

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

Mukhtaar Axmed Cumar, *Amoud University, Somalia*

16:50-17:20

Title: Machine learning-driven analysis of academic performance determinants: Geographic, socio-demographic, and subject-specific influences in Somaliland's 2022-2023 national primary examinations

NETWORKING

END OF DAY 1

DAY-2 | JULY 22, 2025

Registration Desk Opens

Opening Ceremony & Inaugural Address

10:00-10:30

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

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

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

Shivani Kumawat, *Indian Institute of Technology(I.I.T), New Delhi, India*

10:30-11:00

Title: Strain-modulated Electronic Properties of Graphene and MoS₂ -based Heterostructures

COFFEE BREAK | 11:00-11:15

Zhanpeng Jiang, *Beihua University, China*

11:15-11:45

Title: Straw tar epoxy resin-based green carbon fiber composites

Paulo C. De Moraes, *University of Brasilia, Brazil*

11:45-12:15

Title: Thermal-induced coarsening modulating nanoparticle size

12:15-12:45 **Said EL Massi**, *Cadi Ayyad University, Morocco*

Title: Effect of NiO:Co thin film as buffer in the back contact of the CdTe solar cell

12:45- 13:45 | LUNCH BREAK

Kaushik Pal, *Chandigarh University, India*

13:45-14:15

Title: Current research trends on Nanotechnology and Materials Science applications into liquid crystalline optical materials switchable device implementations

14:15-14:45 *Slot Available*

14:45-15:15 *Slot Available*

15:15-15:45 *Slot Available*

COFFEE BREAK | 15:45-16:00

POSTER SESSION @ MEETING ROOMS

PANEL DISCUSSION

Closing Ceremony

