



International Conference on

# ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

July 21-22, 2025 London, UK



# SCIENTIFIC PROGRAM

DAY 1 JULY 21, 2025

Registration Desk Opens

Opening Ceremony & Inaugural Address

## KEYNOTE FORUM

09:30-10:00

**Richard Carter**, *Proximie, UK*

Title: AI in healthcare: Enhancing human expertise with real-time intelligence

10:00-10:30

**Rachel Yarcony**, *myAir Stressless Routine, Israel*

Title: Managing stress with terpene-based functional bars: An open-label observational study

10:30-11:00

**Deborah Zelinsky**, *Mind-Eye Institute, USA*

Title: Harnessing retinal activity to alter and help mind-eye connections

## COFFEE BREAK | 11:00-11:15

11:15-11:45

**Ibrahim El Bayoumy**, *Consultant of Public Health-Ministry of Health, Kuwait*

Title: Psychiatric disorders in adolescents with Type 1 diabetes: A case-control study

11:45-12:15

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

Title: Is AI guided surgical robotics a realistic option?

Sessions: Mental Health | 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

**Chair:** Ibrahim El Bayoumy, *Consultant of Public Health-Ministry of Health, Kuwait*

12:15-12:35

**David John Wortley**, *IORMA, UK*

Title: AI and storytelling

12:35-12:55

**Clara Meehan**, *HSE West Northwest, Ireland*

Title: Enhancing family engagement: Building positive relationships in mental health

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

14:00-14:20

**Anupa Devi**, *Root to Resilience, UK*

Title: The 4Rs to resilience: Strengthening mental health through inner leadership

14:20-14:40

**Martina Billichova**, *Slovak University of Technology in Bratislava, Slovakia*

Title: Improving early prediction of conversion to mild cognitive impairment via personalised uncertainty

14:40-15:00	<b>Nazime Tuncay</b> , Cyprus Title: Beyond the timeline: Exploring public attitudes on digital legacy and AI-driven immortality
15:00-15:20	<b>Rajdeep Singh Khanuja</b> , National Institute of Fashion Technology, India Title: Intelligent manufacturing meets intelligent marketing: AI applications in fashion & textile industry 4.0
15:20-15:40	<b>Yang Wenyi</b> , Jiangsu Provincial Center for Disease Control and Prevention, China Title: A cross-sectional study on the prevalence of depressive symptoms among left-behind children in Jiangsu, China
15:40-16:00	<b>Jie Yang</b> , Jiangsu Provincial Center for Disease Control and Prevention, China Title: A multi-dimensional cross-sectional study of adolescent depressive symptoms
16:00-16:15   COFFEE BREAK	
16:15- 16:35	<b>Shakil Akhtar</b> , Clayton State University Morrow, USA Title: Cancer detection and treatment using visual transformer deep learning techniques
16:35- 16:55	<b>Haroon Haider</b> , COMSATS University, Pakistan Title: An adaptive loss function for enhanced image segmentation
YOUNG RESEARCHERS FORUM	
16:55- 17:10	<b>Geonyoung Kim</b> , Seoul National University, South Korea Title: Reinforcement learning-based topology optimization for shimming-aware design of a 3 T MRI magnet
17:10- 17:25	<b>Martyna Ławniczak</b> , Adam Mickiewicz University in Poznań, Poland Title: Application of machine learning for training load analysis and physical development assessment in elite women's football
17:25- 17:40	<b>Tomasz Kuczyński</b> , Adam Mickiewicz University in Poznań, Poland Title: Analysis and modeling of player movements-distance, speed, and dynamic acceleration changes using IMU sensors in the JustWin smartband
17:40-17:55	<b>Piotr Andrzejewski</b> , Adam Mickiewicz University in Poznań, Poland Title: Machine learning-driven near-infrared spectroscopy for multidimensional coffee quality assessment
NETWORKING & B2B MEETINGS	
END OF DAY 1	

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## DAY-2 | JULY 22, 2025

### Registration Desk Opens

### Opening Ceremony & Inaugural Address

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

10:00-10:30

Title: Enhancing the sharing and the management of personal data in cybersecurity landscape

**Sessions:** Mental Health | 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

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

10:30-11:00

Title: Predicting hypertension risk using machine learning technique with a web application interface

### COFFEE BREAK | 11:00-11:15

**Saroj Dubey**, *Consultant Gastroenterologist at Kailash Hospital Noida, India*

11:15-11:45

Title: Alchemy of presence

**Mustafa Eisa Misri**, *Ventois Inc., USA*

11:45-12:15

Title: Optimizing compliance and efficiency: How opentext exstream enhances consumer communication management

**Shivani Kumawat**, *Indian Institute of Technology, India*

12:15-12:45

Title: Strain-modulated electronic properties of graphene and MoS<sub>2</sub> -based heterostructures

**Abdul Malik**, *University of Management and Technology, Pakistan*

12:45-13:15

Title: The future of artificial intelligence in academic research

### 13:15- 14:00 | LUNCH BREAK

**Kareem Mahmoud Taha**, *Misr International University, Egypt*

14:00-14:30

Title: Successful prosthesis for endo-treated teeth "Endo - Prosthodontics"

**Tegenu Argaw Woldegiyorgis**, *Ethiopia*

14:30-15:00

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*

15:00-15:30

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

**Moataz Nady Elhelaly**, *Hassan's Optician Co., Kuwait*

15:30- 16:00

Title: Management of higher-order aberrations vision of irregular cornea with specialty lenses

### COFFEE BREAK | 16:00-16:30

### Awards & Closing Ceremony