

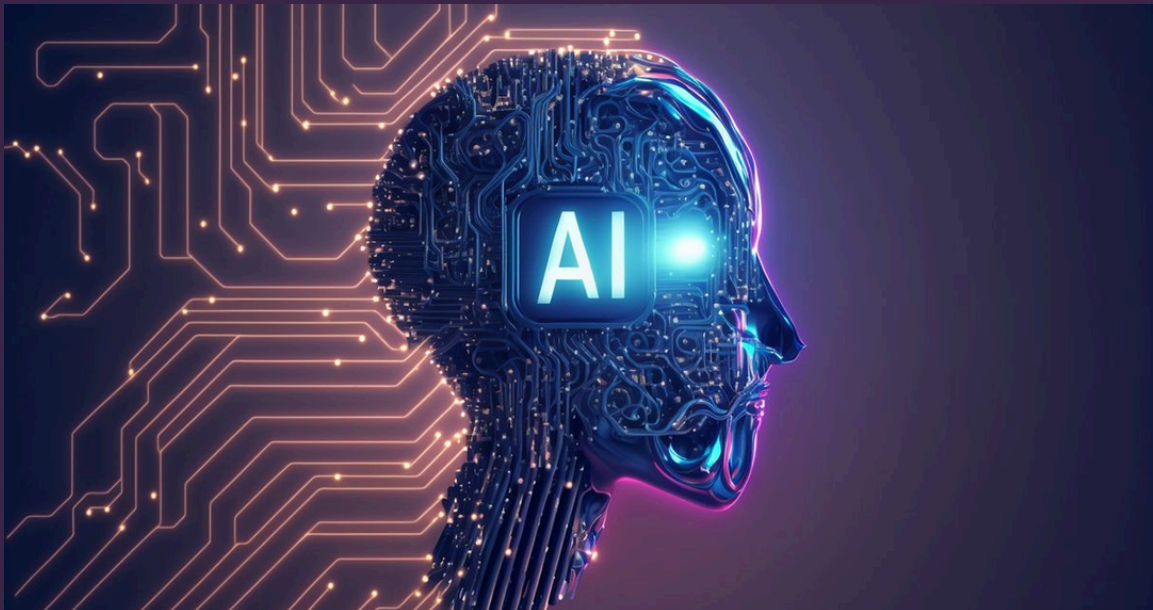
ORGANIZED BY



# 5TH INTERNATIONAL CONFERENCE ON

## ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

NOVEMBER 17-18, 2025 | LONDON, UK



IN-PERSON:

Holiday Inn London - Heathrow Bath Road,  
276 Bath Rd, Sipson, West Drayton UB7 0DQ,  
United Kingdom



VIRTUAL: Central  
European Summer  
Time (CEST)

ISBN:





# LETTER FROM THE DIRECTOR

## UNITED RESEARCH FORUM

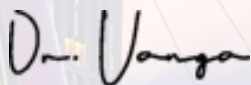
On behalf of United Research Forum, UK, we are delighted to announce the organization of the 5<sup>th</sup> International Conference on Artificial Intelligence & Machine Learning, to be held at Holiday Inn London - Heathrow Bath Road, 276 Bath Rd, Sipson, West Drayton UB7 0DQ, United Kingdom from November 17-18, 2025.

Our goal is to provide an international platform where researchers and professionals from various fields of the science sector can come together to exchange ideas, discuss current trends, share research outcomes, and explore practical experiences.

We look forward to welcoming all of you to London and to hosting an exceptional meeting with distinguished scientists from around the world, sharing new and exciting developments across the diverse subjects covered by the conference.

We hope you enjoy your stay in London and encourage you to take this opportunity to explore the country's beautiful historical sites.

Finally, I extend my best wishes for a successful and fruitful conference, and express sincere thanks to our partners and the organizing team for making this event possible.



Sincerely,

**Dr. Vanga**

CEO, Director | United Research Forum  
United Kingdom

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Day  
1

**MONDAY**

# Artificial Intelligence & Machine Learning

**November 17-18, 2025 | London, UK**

**Registrations & Opening Remarks (08:00-09:00 )**

**Keynote Forum (09:00 - 10:00)**

09:00-09:30 -----

**Title: Semi-Markov Models for Process Mining in Smart Homes**  
Prof. Sally-McClean, Ulster University, United Kingdom

09:30-10:00 -----

**Title: Leveraging AI Beings for Personalized Learning and Patient Engagement**  
Dr. Marcos Sanchez-Gonzalez, School of Health Services Administration, Bradenton, USA

**REFRESHMENT BREAK & GROUP PHOTO (10:00 - 10:20)**

**Technical Session-I (10:20 - 13:00)**

10:20-10:40 -----

**Title: A Multimodal Retrieval Augmented Generation Framework Using MedGemmafor Breast Cancer Diagnosis**  
Dr. Elvis Twumasi, KNUST, Ghana

10:40-11:00 -----

**Title: Urine Metabolomic Profiling and Machine Learning in ASD Diagnosis: Toward Precision Treatment**  
Dr. Shazman, The Open University of Israel, Israel

11:00-11:20 -----

**Title: E-life around us in Bangkok, Thailand Semi-Markov Models for Process Mining in Smart Homes**  
Dr. Chutima Kitty Tongsaluay, National Institute of Development Administration, Thailand

11:20-11:40 -----

**Title: Systemic Risk of Using AI-Generated Synthetic Data for Training and Testing of Autonomous Vehicles**  
Dr. Qian Lu, Coventry University, United Kingdom

11:40-12:00 -----

**Title: Congenital Heart Disease Classification Using Phonocardiograms: A scalable Screening Tool for Diverse Environments**  
Mr. Abdul Jabbar, Monash University, Australia

12:00-12:20 -----

**Title: AI-Driven Wood Sorting: Automating Quality Assessment with Computer Vision**  
Dr. Julia Achatz, Empa, Switzerland

12:20-12:40 -----

**Title: Decoding synthetic news: an interpretable multimodal framework for the classification of news articles in a novel news corpus**  
Mr. Michael Schlee, The University of Goettingen, Germany

12:40-13:00 -----

**Title: Predict, Personalise, Perform: How Advanced Analytics is Transforming Customer Experience**  
Dr. Sajal Kanti Howlader, Greene King Limited United Kingdom

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Day  
1

**MONDAY**

# Artificial Intelligence & Machine Learning

**November 17-18, 2025 | London, UK**

**Lunch @ Restaurant (13:00- 13:50)**

**Poster Presentation (13:50-14:00)**

Poster-I -----

**Title: Graph-Based Clustering and Large Language Models for Scalable Summarization of Safety Reports in Manufacturing Environments**

**Dr/Prof. Mattia Beretta, Pirelli & C. S.p.A., Milano, Italy**

**Keynote Forum (14:00-15:00)**

14:00-14:30 -----

**Title: The AI Revolution - and our Responsibility for the Future of Humans, Organizations and Machines**

**Prof. Ing. Klaus Henning, RWTH Aachen University, Germany**

14:30- 15:00 -----

**Title: Challenges to AIML in Industry 4.0 applications**

**Prof. Soumaya Yacout, Polytechnique Montreal, Canada**

**Technical Session-II (15:00-18:00)**

15:00-15:20 -----

**Title: Static and Dynamic Connectionism**

**Dr. Robert Worden, United Kingdom**

15:20-15:40 -----

**Title: Internet of Robotic Things Intelligent Connectivity and Platforms.”  
The Autonomous Intelligent Nexus: Internet of Robotic Things Embedding  
Edge AI, Connectivity, and Platforms**

**Dr. Ovidiu Vermesan, SINTEF, Norway**

15:40-16:00 -----

**Title: Using Machine Learning in Developing an Effective Metric Model for  
Measuring Customer Trust Satisfaction: A Viewpoint of Australian  
Trustworthy Digital Society Granted Project**

**Dr. Robert M. X. Wu, University of Technology Sydney Australia**

16:00-16:20 -----

**Title: A Deep Learning Feature Importance Test Framework for Integrating  
Informative High-dimensional Biomarkers to Improve Disease Outcome  
Prediction**

**Prof. Baiming Zou, University of North Carolina, USA**

**REFRESHMENT BREAK (16:20-16:40)**

16:40-17:00 -----

**Title: A Novel Framework for Belief and Plausibility Measures in  
Intuitionistic Fuzzy Sets: Belief and Plausibility Distance, Similarity, and  
TOPSIS for Multicriteria Decision Making**

**Mr. Ferhat Musa Uysal, Turkcell Payment and Electronic Money Services Inc,  
Turkey**

17:00-17:20 -----

**Title: Dynamic Job Shop Scheduling Using Deep Reinforcement Learning: A  
Double Deep Q-learning Approach**

**Mrs. Chinyere Rosemary Ngwu, University of Glasgow, UK**

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Day  
1

**MONDAY**

# Artificial Intelligence & Machine Learning

**November 17-18, 2025 | London, UK**

17:20-17:40 -----

**Title: Bayesian Analysis of Change Point Problems Using Conditionally Specified Priors**

Golnaz Shahtahmassebi, Nottingham Trent University, UK

17:40-18:00 -----

**Title: Exploring the potential of YOLOv8 in hybrid models for facial mask identification in diverse environments**

Dr/Prof. Fernando Rodrigues Trindade Ferreira, Brazil

**Pannel Discussions**

**Day-1 Concludes**



# VIRTUAL PROGRAM

NOVEMBER 18, 2025

CET Time, 09:00AM

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Day  
2

**TUESDAY**

# Artificial Intelligence & Machine Learning

**November 17-18, 2025 | London, UK**

09:00-09:25 -----

**Title: Predicting Antarctic Blizzards Using Hybrid Deep Learning Models on Meteorological Data**

Dr. V S SAMY, National Centre for Polar and Ocean Research, India

09:25-09:50 -----

**Title: Leftover Food Recognition Using Deep Learning**

Dr. Xiaoyan Dai, KYOCERA Corporation , Japan

09:50-10:15 -----

**Title: Artificial thinking and doomsday projections: a discourse on trust, ethics and safety**

Ms. Elaf A.Saeed, Al-Nahrain University, Iraq

10:15-10:40 -----

**Title: Knowledge-Infused in Transformers for Text Classification in Low-Resource Languages**

Prof. Muhammad Shahid Iqbal I Malik, HITEC University, Taxila, Pakistan

10:40-11:05 -----

**Title: Exploring potential circRNA biomarkers for cancers based on double-lineheterogeneous graph representation learning**

Ms. ZhenMei Wang, GuangXi Vocational & Technical College, China

11:05-11:30 -----

**Title: TBA**

Dr. Temenuzhka Kurteva, Bilgaria

11:30-11:40 -----

**Title: Enhanced State of Charge Estimation for Lithium-Ion Batteries Using xLSTM Networks**

Dr. Florian Krebs, JOANNEUM Research, Austria

11:40-11:50 -----

**Title: Enhancing Deep Learning Models for Predicting Smoking Status Using Clinical Data in Patients with COPD**

Ms. Sehyun Cho, College of Nursing, Chonnam National University, South-korea

11:50-12:15 -----

**Title: Dr. Ai in Health Care**

Dr. Sarah Allabun, Princess Nourah bint Abdulrahman University , Saudi-Araiba

12:15-12:40 -----

**Title: On predicting an NBA game outcome from half-time statistics**

Dr. Michail Tsagris, University of Crete , Greece

12:40-13:10 -----

**Title: Can we go on trusting AI?**

Prof. Dietrich Brandt, RWTH Aachen University

13:10-13:35 -----

**Title: Artificial Intelligence Assisted Risk Prediction Models in Organ Transplantation**

Prof. Nithya Krishnan, UHCW, Coventry, UK

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Day  
2

**TUESDAY**

# Artificial Intelligence & Machine Learning

**November 17-18, 2025 | London, UK**

13:35-14:00 -----

**Title: The Myth of the Linear Tech Career: How Non-Traditional Paths Build Better Designers**

**Mr. Richard Adesoye, AI in Science Education, UK**

14:00-14:25 -----

**Title: Human-Centric AI: Enhancing Human Decision Making**

**Dr. Marcel Koeleman, The Netherlands**

14:25-14:50 -----

**Title: Enhanced State of Charge Estimation for Lithium-Ion Batteries Using xLSTM Networks**

**Prof. Pertti Saariluoma, JY, Finland**

14:50-15:15 -----

**Title: Enhanced State of Charge Estimation for Lithium-Ion Batteries Using xLSTM Networks**

**Dr. Osondu Oguike, University of Johannesburg, South-Africa**

15:15-15:40 -----

**Title: A Tutorial and Use Case Example of the eXtreme Gradient Boosting (XGBoost) Artificial Intelligence Algorithm for Drug Development Applications**

**Dr. Jackson Burton, Biogen, USA**

15:40-16:05 -----

**Title: Machine Learning for Real-time Detection of Complications during Neurosurgery**

**Dr. David Miller, University of Oklahoma, USA**

16:05-16:30 -----

**Title: Beating Bad-Actor AI**

**Prof. Neil Johnson, George Washington University, USA**

**Pannel Discussions**

**Day-2 Concludes**

# Artificial Intelligence & Machine Learning

**November 17-18, 2025 | London, UK**

**Notes.....**







# 6TH INTERNATIONAL CONFERENCE ON ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

PARIS, FRANCE

Email: [director@urforum.org](mailto:director@urforum.org)