| 5th International Conference on Artificial Intelligence & Machine Learning<br>November 17-18, 2025<br>London, UK | |
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| **DAY-1 (November 17)** | |
| 08:00-08:30 | Registrations |
| 08:30-09:00 | Opening Remarks |
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| **Keynote/Plenary Session** | |
| 09:00-09:30 | *Semi-Markov Models for Process Mining in Smart Homes* |
| | Sally-McClean,Ulster University, United Kingdom |
| 09:30-10:00 | *Leveraging AI Beings for Personalized Learning and Patient Engagement* |
| | Marcos Sanchez-Gonzalez, School of Health Services Administration, Bradenton, USA |
| 10:00-10:30 | *Artificial thinking and doomsday projections: a discourse on trust, ethics and safety* |
| | Ing. Klaus Henning, RWTH Aachen University |
| 10:30-10:50 | Group Photo |
| | Refreshment Break @ foyer |
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| **Technical Session-I** | |
| 10:50-11:10 | *Machine Learning for Real-time Detection of Complications during Neurosurgery* |
| | David Miller,University of Oklahoma, USA |
| 11:10-11:30 | *E-life around us in Bangkok, Thailand Semi-Markov Models for Process Mining in Smart Homes* |
| | Chutima Kitty Tongsaluay, National Institute of Development Administration , Thailand |
| 11:30-11:50 | *Urine Metabolomic Profiling and Machine Learning in ASD Diagnosis: Toward Precision Treatment* |
| | Shula Shazman , The Open University of Israel |
| 11:50-12:10 | *Systemic Risk of Using AI-Generated Synthetic Data for Training and Testing of Autonomous Vehicles* |
| | Qian Lu, Coventry University United Kingdom |
| 12:10-12:30 | *Congenital Heart Disease Classification Using Phonocardiograms: A scalable Screening Tool for Diverse Environments* |
| | Abdul Jabbar, Monash University Ausralia |
| 12:30-12:50 | *Challenges to AIML in Industry 4.0 applications* |
| | Soumaya Yacout, Polytechnique Montreal Canada |

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| 12:50-13:10 | *Decoding synthetic news: an interpretable multimodal framework for the classification of news articles in a novel news corpus* |
| | Michael Schlee , The University of Goettingen, Germany |
| 13:10- 13:50 | **Lunch @ Restaurant** |
| | **Poster Presentation** |
| 13:50- 14:00 | *Graph-Based Clustering and Large Language Models for Scalable Summarization of Safety Reports in Manufacturing Environments* |
| | Mattia Beretta, Pirelli & C. S.p.A., Milano Italy |
| **Technical Session-II** | |
| 14:00-14:20 | *AI-Driven Wood Sorting: Automating Quality Assessment with Computer Vision* |
| | Julia Achatz, Empa Switzerland |
| 14:20-14:40 | *Internet of Robotic Things Intelligent Connectivity and Platforms."*<br>*The Autonomous Intelligent Nexus: Internet of Robotic Things Embedding Edge AI, Connectivity, and Platforms* |
| | Ovidiu Vermesan, SINTEF, Norway |
| 14:40-15:00 | *Using Machine Learning in Developing an Effective Metric Model for Measuring Customer Trust Satisfaction: A Viewpoint of Australian Trustworthy Digital Society Granted Project* |
| | Robert M. X. Wu, University of Technology Sydney Australia |
| 15:00-15:20 | *A Deep Learning Feature Importance Test Framework for Integrating Informative High-dimensional Biomarkers to Improve Disease Outcome Prediction* |
| | Baiming Zou, University of North Carolina USA |
| 15:20-15:40 | *TOPSIS for Multicriteria Decision Making* |
| | Ferhat Musa Uysal, Turkcell Payment and Electronic Money Services Inc, Turkey |
| 15:40-16:00 | *Static and Dynamic Connectionism* |
| | Robert Worden, United Kingdom |
| 16:00-16:20 | **Refreshment Break @ foyer** |
| 16:20-16:40 | *Predict, Personalise, Perform: How Advanced Analytics is Transforming Customer Experience* |
| | Sajal Kanti Howlader, Greene King Limited United Kingdom |
| 16:40-17:00 | *Exploring the potential of YOLOv8 in hybrid models for facial mask identification in diverse environments* |
| | Fernando Rodrigues Trindade Ferreira , State University of Rio de Janeiro, Brazil |
| 17:00-17:20 | *Slot Available* |
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| 17:20-17:40 | ***Slot Available*** |
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| 17:40-18:00 | ***Slot Available*** |
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| 18:00-18:20 | ***Slot Available*** |
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| **Day-1 Concludes** | |
| **Pannel Discussions** | |
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| **DAY-2 (November 18)** | |
| **Technical Session-III** | |
| 10:00-10:25 | ***A Dataset for Multimodal Music Information Retrieval of Sotho-Tswana Musical Videos*** |
| | **Osondu Oguike, University of Johannesburg, South Africa** |
| 10:25-10:50 | ***Leftover Food Recognition Using Deep Learning*** |
| | **Xiaoyan Dai, KYOCERA Corporation , Japan** |
| 10:50-11:15 | ***A Tutorial and Use Case Example of the eXtreme Gradient Boosting (XGBoost) Artificial Intelligence Algorithm for Drug Development Applications*** |
| | **Jackson Burton, Biogen, USA** |
| 11:15-11:30 | **Refreshment Break** |
| 11:30-11:55 | ***On predicting an NBA game outcome from half-time statistics*** |
| | **Michail Tsagris, University of Crete, Greece** |
| 11:55-12:20 | ***Knowledge-Infused in Transformers for Text Classification in Low-Resource Languages*** |
| | **Muhammad Shahid Iqbal I Malik,HITEC University, Taxila, Pakistan** |
| 12:20-12:45 | ***Predicting Antarctic Blizzards Using Hybrid Deep Learning Models on Meteorological Data*** |
| | **V S SAMY, National Centre for Polar and Ocean Research, India** |
| 12:45-13:45 | **Lunch @ Restaurant** |
| **Technical Session-IV** | |
| 13:45-14:10 | ***Artificial thinking and doomsday projections: a discourse on trust, ethics and safety*** |
| | **Dietrich Brandt, RWTH Aachen University, Germany** |

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| 14:10-14:35 | ***Artificial thinking and doomsday projections: a discourse on trust, ethics and safety*** |
| | **Nithya-Krishnan,UHCW, Coventry. Uk** |
| 14:35-15:00 | ***Artificial thinking and doomsday projections: a discourse on trust, ethics and safety*** |
| | **Elaf A.Saeed,Al-Nahrain University, Iraq** |
| 15:00-15:25 | ***Artificial thinking and doomsday projections: a discourse on trust, ethics and safety*** |
| | **Florian Krebs,JOANNEUM Research, Austria** |
| 15:25-15:40 | **Refreshment Break** |
| 15:40-16:05 | ***Artificial thinking and doomsday projections: a discourse on trust, ethics and safety*** |
| | **Sehyun Cho,College of Nursing, Chonnam National University, South-korea** |
| 16:05-16:30 | ***Relevance and computational theory languages in designing AI solutions*** |
| | **Pertti Saariluoma, JY Finland** |
| 16:25-16:50 | ***Slot Available*** |
| 16:50-17:15 | ***Slot Available*** |
| 17:15-17:40 | ***Slot Available*** |
| 17:40-18:00 | ***Slot Available*** |
| **Closing remarks** | |
| **This is tentative agenda and subjected to changes. To book your slot, please reach us at chris@urforum.org** | |

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