

Second Multimodal AI Community Forum

11 March 2026

Social Media: #MultimodalAIForum'26, #UKOMAIN

LinkedIn: [@UK Open Multimodal AI Network \(UKOMAIN\)](https://www.linkedin.com/company/uk-open-multimodal-ai-network/)

Youtube: <https://www.youtube.com/@UKMultimodalAI>

Venue: Online

Programme

| Time | Event |
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| 13:00-13:20 | Haiping Lu Introduction to UKOMAIN and OMAIB |
| 13:20-13:50 | OMAIB Round 1 - Funded Projects |
| | Munib Mesinovic CRITICAL-MM: Cross-modal Reasoning with Integrated Clinical Assessment for Large Multimodal Models |
| | Lu Gan Towards Carbon-Neutral Living: An Open Dataset for Smart Social Housing |
| | Sam Wild SONAIR - Sim2real Operational beNchmark for AI Robotics |
| | Stephen McGough Neural Architecture Search Benchmark for Multimodal Self-driving Cars Test Data |
| 13:50-14:00 | Charles Anjah OMAIB Management |
| 14:00-14:20 | Haiping Lu Interest Group and OMAIB Round 2 Launching |
| Break | |
| 14:40-15:40 | Community Talks - Session 1 |
| | Chen Chen Multi-modal AI for Cardiac Care |
| | Maria Luisa Davila Garcia Analysis of Quality of Life in Patients after Abdominal Hernia Surgery, A Multimodal Approach |
| | Rasheleh Kafieh Multimodal AI in Ophthalmology |
| | Pengeng Hu AI for 3D Human Body Scanning and Measurement |

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| | Mehtab Ansari Deep Learning Architectures for Multi-Disease Detection in Medical Imaging |
| | Budi Setiawan Are we ready for Artificial Intelligence: Pilot Project in Medical Laboratory Technologist in Indonesia |
| | Gerardo Aragon-Camarasa Multimodal Anomaly Detection in Additive Manufacturing |
| | Haolin Wang Benchmarking Bandgap Prediction in Semiconductors under Experimental and Realistic Evaluation Settings |
| | Divya Sitani Unravelling Immune Signatures of Whole-Cell vs Acellular Pertussis Vaccine Priming using Tabular Machine Learning and Multimodal Feature Fusion |
| | Deysi Anaya Integrating Behavioural Signals and AI for Improved Mental Health Assessment |
| | Yuhan Wang Explainable Multimodal AI for Reliable Clinical Decision Support in Medical Imaging |
| | Parul Kulshreshtha Can AI Facilitate Cervical Cancer Screening and Prevent Deaths? |
| | Xiaolei Xu Home Monitoring of Sleep, A Multimodal Approach |
| | Linus Ericsson Multimodal AI for Radiotherapy |
| | Chidozie Managwu Bridging Vision and Language: Multimodal Frameworks for Real-Time Engineering and Health Diagnostics |
| | Ganzorig Chuluunbat Developing A Geospatial Foundation Model for Global Soil Organic Carbon Estimation |
| | Ye Ha Kim Deep Learning Models for IoT-Data Harvesting and Ethical Decision-Making in Circular Design Processes |
| | Sikander Hayat McBERT multicellular patient representation using single cell transcriptomics data |
| Break | |
| 16:00-16:40 | <p>Keynote - Towards Virtual Patient: AI for Accelerating Medical Discovery Hoifung Poon - General Manager at Microsoft Research</p> <p>Abstract: Today, medical discovery advances one clinical trial at a time, each taking years to execute and often costing \$100 million or more. As we enter the era of precision health in which we recognize that “one size doesn’t fit all” and thus try to tailor treatments for each individual, continuing on today’s discovery processes is clearly not sustainable. The confluence of technological advances and social policies has led to rapid digitization of multimodal, longitudinal patient journeys, such as electronic health records (EHRs), imaging, and multiomics. Our overarching research agenda lies in advancing multimodal generative AI to learn the language of patients and create a virtual patient world model as a digital twin for forecasting disease progression and treatment response. This enables us to synthesize population-scale real-world evidence from hundreds of millions of patients and accelerate</p> |

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| | medical discovery through AI-powered virtual clinical trials, in deep partnerships with real-world stakeholders such as large health systems and life sciences companies. |
| 16:40-17:10 | Roundtable Discussions |
| Break | |
| 17:20-17:50 | Community Talks - Session 2 |
| | Neil Bose Multimodal AI and Vision Transformation Model |
| | Jianqiao Long Computation and Communication Cooperation for Molecular Network |
| | Xiang Li Beyond the Lab: Translating Multimodal AI into Scalable Innovation |
| | Qiwen Guan RMSSC: A Robust Multimodal Framework for Sleep Stage Classification with Noisy Labels and Missing Modalities |
| | Wenxing Ji EEGGraphNet: A Multi-Class Seizure Classification Model with Adaptive Channel Aggregation via Graph Attention Neural Network |
| | Jiajie Luo MoDE: A Dynamic Expert Aggregation Framework for Sleep Stage Classification with Contextual Factors |
| | Jichun Li Learning Disentangled Subject-Invariant Representations for EEG Sleep Staging via Spectral-Spatial-Sequential Feature Fusion |
| | Vrinda Gotr AI in Vaccines |
| | Misbah Rafique From Simulation to Discovery: Multimodal AI for Detecting Jellyfish Galaxies |
| 17:50-18:00 | Final Q&A and Closing Remarks |

The forum is organised by the UK Open Multimodal AI Network (UKOMAIN), in collaboration with the Alan Turing Institute's Meta-learning for Multimodal Data Interest Group.