



TIME (Berlin) CEST/UTC+2	Thu Oct 15	Fri Oct 16
09:00 AM - 09:30 AM	Delegates Login	Delegates Login
09:30 AM - 11:00 AM	Opening + Keynote Talks • Daniel Cremers, Technical University of Munich • Sadaf R. Alam, University of Bristol	Keynote Talks • Jeanette Miriam Lorenz, Fraunhofer IKS • Valeria Bartsch, Fraunhofer CML
11:00 AM - 11:30 AM	Break	Break
11:30 AM - 12:45 PM	Paper Presentations • Session 1: Cybersecurity • Session 2: Agents & Multi-Agent Systems • Session 3: Smart Healthcare	Paper Presentations • Session 10: Cybersecurity • Session 11: Ambient Intelligence • Session 12: Learning Technologies
12:45 PM - 01:30 PM	Lunch Break	Lunch Break
01:30 PM - 03:30 PM	Paper Presentations • Session 4: Human Computer Interaction • Session 5: Computing • Session 6: Data Science	Paper Presentations • Session 13: AI Ethics & Society • Session 14: Intelligent Systems • Session 15: Industrial AI
03:30 PM - 03:45 PM	Break	Break
03:45 PM - 05:00 PM	Paper Presentations • Session 7: Computer Vision • Session 8: Robotics • Session 9: Ambient Intelligence	Paper Presentations • Session 16: Intelligent Transportation • Session 17: Computing • Session 18: Applied AI
05:00 PM Onwards		Conference Closing

Future Technologies Conference 2026

Day 1 - October 15, 2026

Session 1: Cybersecurity October 15 11:30 AM - 12:45 PM	Session 2: Agents & Multi-Agent Systems October 15 11:30 AM - 12:45 PM	Session 3: Smart Healthcare October 15 11:30 AM - 12:45 PM
229 - Self-Organizing Map-Guided DQN for Sequential Browser-in-the-Browser Attack Detection (BitB) (Steve Bevon) 26 - Design of Fully On-Device Memory-Based Anomaly Detection on Mobile Platforms (Yoshiyuki Kido) 37 - Protecting the Intellectual Property of Deep Neural Networks Through Distributed DCT Watermarking and Segment Homogeneity (Ibrahim Kamel) 28 - A Strategic Roadmap for Assessing and Educating on Personal Cybersecurity Practices in Universities (Ryan Lopez) 200 - Multiple Input Based Anomaly Detection for 5G Networks (Ayaz Hussain)	99 - From Features to Actions: Explainability in Traditional and Agentic AI Systems (Aravind Narayanan) 98 - Reliable LLM-Based Natural Language Orchestration for 5G Network Slicing Using a Hybrid MCP-Agent (Ebnel Hadj Youssef Moetaz) 143 - Synchronous and Asynchronous Coordination of AI Agents: From Mathematical Iterative Methods to Modern Agent Frameworks (Jürgen Geiser) 164 - Transparency for Agentic AI: A Study of Benchmarks, Metrics, and Oversight (Christos Emmanouilidis) 154 - Quantum Agentic AI with Distributed Tensor Memory for Wearable Devices (Mahdi Eslamimehr)	194 - Edge Deployment for Privacy-Preserving Telerehabilitation (Tharika Chalani Weerakoon) 85 - Role of Generative AI in Healthcare Decision Support (Ayesha Ubaid) 148 - Beyond Accuracy: Evaluating Machine Learning Models for Diabetes Prediction on Imbalanced Data (Sana Alyaseri) 152 - To What Extent Can Convolutional Neural Networks (CNNs) Improve the Diagnostic Accuracy of Early Detection of Lung Cancer? (Arif Mehnaz) 206 - Deriving Technological Requirements for Patient-Centered AI-Enabled Digital Health Systems in Rural Contexts (Agostinho Da Silva) 257 - Use of Artificial Intelligence (AI) and Machine Learning (ML) in the Transport of Human Organs and Corpses (Malgorzata Rzeszutko-Piotrowska)

Session 4: Human Computer Interaction October 15 01:30 PM - 03:30 PM	Session 5: Computing October 15 01:30 PM - 03:30 PM	Session 6: Data Science October 15 01:30 PM - 03:30 PM
195 - Framework for Evaluation Metrics of Virtual Meetings at the Example of Remote Scrum Events (Bärbel Bissinger) 193 - Self-Learning Monitoring Agents for Evolution-Aware Control of LLM-Mediated Software Systems (Vasyl Lyashkevych) 86 - An Investigation into the Usability of Website Cookie Banner Design (Pietro Murano) 13 - Need for Physical Environment Variable in Evaluating Human Digital Interaction (Diane Guevara) 30 - A Mobile Application for the Mapping and Evaluation of Hearing After Cochlear Implantation Surgery (Tarini Chaitanya Kartheek) 313 - DMF: A Deterministic Memory Framework for Conversational AI Agents (Enrico Zimuel, Matteo Stabile) 327 - CNN-Based Fuzzy State Machine for Transition Dynamics of Emotional States in Affective Agents (Ahmad Soleimani) 64 - Ethics of Explainable AI: Technical Foundations and Societal Challenges (Elena Pesotskaya)	55 - CrossGL: A Hub-and-Spoke Compiler Infrastructure for Universal Shader Translation Across Heterogeneous GPU Architectures (Nripesh Niketan Bharathi) 57 - Robust Infrastructure for Large-Scale AI Workloads: A Survey of Deployment Architectures and System Reliability (Aishi Huang) 182 - ATLAS: Automated Translation and Linking Analysis System for Legacy Fortran Modernization (Abhiram Donepudi) 132 - Federated Deployment and Empirical Evaluation of the Centrality-Entropy Index Framework for Enterprise Cloud Governance in Multi-Tier Distributed Environments (Prawal Pokharel) 139 - Governance-Aware Resource Allocation for Defense Infrastructure Using the Centrality-Entropy Index (Prawal Pokharel) 140 - Governance-Aware Resource Allocation for GPS-Denied Sensor Networks Using the Centrality-Entropy Index (Prawal Pokharel) 191 - Inference Energy Tracks Latency Rather Than FLOPs on Apple Silicon (Romir Kadiam)	102 - DIVE: A Multiview Swimming Dataset and Interpretable AI Framework for Poolside Performance Analysis (Vanessa Camilleri) 259 - Proactive Multi-Modal Bird Deterrence in Aquaculture: A Predictive Framework Using Modified Principal Component Analysis and Gradient Boosting (Sara Alruzaqi) 111 - Enhancing Sarcasm Detection: The Impact of Feature Engineering and Dataset Scaling on Model Performance (Farhad Nadi) 130 - From Accuracy to Transparency: Explainable Artificial Intelligence as a Trust Lever in Recommender Systems (Comlan Maurice) 179 - Insights from Developing Digital Platforms to Maximise the Sustainable Use of Scientific Research Equipment (Christopher Wilkinson) 42 - Understand Customers' Perception Towards the Sustainability of Food Industry Supply Chain Using Causal Social Media Analytics (Omid Fatahi Valilai) 312 - Automated Black-Box Hunting of Web Cryptographic Vulnerabilities Via Large Language Models (Quoc Anh Nguyen)

Session 7: Computer Vision October 15 03:45 PM - 05:00 PM	Session 8: Robotics October 15 03:45 PM - 05:00 PM	Session 9: Ambient Intelligence October 15 03:45 PM - 05:00 PM
34 - Long-Form Text-to-3D Generation via SVO-Based Semantic Filtering (Yoshiyuki Kido) 32 - Comparative Evaluation of Smartphone LiDAR and Photogrammetry for Indoor 3D Reconstruction in AR/VR and Edge-Enabled XR Systems (Lidija Tepes Golubic) 150 - Virtual Reality for Aviation Training: Spatial Presence Compared (Jason Vosburgh) 260 - SceneSpace Emotion: Interpretable Analysis of Cinematic Spatial Composition for Emotional Delivery (Alex Lee, Isabelle Lee,) 31 - A Cue-Based Framework for Evaluating Perceived Photorealism in Architectural Rendering (Matija Grasic)	97 - Depth of Discharge and EV Charging Search in Urban Centers: An Agent-Based Study (Jean-David Collard) 18 - MSTRAE: Multi-Scale Temporal Recurrent Autoencoder for Flight Manoeuvre Recognition (Aditya Girish) 117 - Multimodal CNN-BiLSTM for Cross-Subject Upper-Limb Motion Classification: Quantifying Generalization on Ninapro Db5 (Maxwell Omwenga) 246 - An Intent-Guided Multimodal Assistive Framework for Context-Aware Indoor Navigation and Safety Guidance (Zina Abohaia) 332 - A Social Robot-Assisted Ambient Assisted Living System for Reducing the Risk of Dehydration and Hypothermia in Older People (Hani Sindi)	114 - Closing the Verification Gap: Non-Intrusive Auditing of Lighting Efficiency in Commercial Buildings (Moses Boudourides) 93 - Enhancing the Adoption of Green Roof Systems Through E-Learning in the Built Environment (Osamudiamen Otasowie) 113 - Quality Control Mechanisms in Modular Construction (Peter Adekunle) 123 - Determinants of Learning-Enabled Quality Control Adoption in Modular Construction for Enhanced Delivery Performance (Peter Adekunle) 24 - Technological Challenges of Smart Contract Adoption in Project Procurement in the South African Construction Industry (Love Opeyemi David) 48 - Smart Sensor Adoption Readiness in Developing Nations: Towards Structural Health Monitoring of Public Infrastructure Projects (Osamudiamen Otasowie)

Future Technologies Conference 2026

Day 2 - October 16, 2026

Session 10: Cybersecurity October 16 11:30 AM - 12:45 PM	Session 11: Ambient Intelligence October 16 11:30 AM - 12:45 PM	Session 12: Learning Technologies October 16 11:30 AM - 12:45 PM
247 - The VERTEX Framework: An Integrated Cybersecurity Strategy Model for the AI Accelerated Enterprise (Mahesh Puthenpurackal Gopalakrishnan) 265 - An Evidence-Based Documentary Baseline of National Cybersecurity Capabilities in Ecuador (2020–2025) (Luis Javier Serpa Andrade) 159 - Graph-Based Threat Detection Framework for Multiagent Systems (Xiao Lin) 231 - Cross-Run Evaluation of EEG-Based Authentication Using Classical Machine Learning Models (Aleena Elsa George) 22 - Distributed Backdoor Attack Detection Methods in Multi-Agent Systems (Kohei Arai)	196 - LegalGuardian: A Privacy-Preserving Framework for Secure Integration of Large Language Models in Legal Practice (M. Mikail Demir) 317 - Empirical Evaluation of the Reticulum Network Stack Across Heterogeneous Wireless and Wired Media (Ahmad Soleimani) 272 - AI-Powered Obstacle Detection and Navigation Application for the Visually Impaired (Michael Goh) 294 - Low-Cost Image Recognition Approach for Effective Vehicle Management (Daniel Mori Yzaguirre) 304 - SAKT-Based Recommendation System for Autonomous Learning in Students from Metropolitan Lima (Daniel Mori Yzaguirre)	19 - Neural Network-Based Assessment Tools for Evaluating Students' Performance in Humanities (Svetlana Karkina) 89 - An Adaptive State Educational Model for Mathematics: The Ardist Framework (Silvia Gaftandzhieva) 101 - Exploring Neurodivergent Children's Speech Synthesis Using TTS and LLMs (Reno Yuri Camilleri) 267 - People Skills and Online Learning: Developing Effective Leaders (C. Todd Williams) 274 - Arabic-WhisperFT: Domain-Adaptive Fine-Tuning of Foundation Speech Models for Arabic Speech Recognition (Sawsan Malaka)

Session 13: AI Ethics & Society October 16 01:30 PM - 03:30 PM	Session 14: Intelligent Systems October 16 01:30 PM - 03:30 PM	Session 15: Industrial AI October 16 01:30 PM - 03:30 PM
90 - Integrity in Science: How Scientists Interpret Ethics and Responsibility Across AI-Enabled Research Tasks (Janika Leoste) 21 - The Caesura as System Boundary: Towards Interruptive Architectures for Ethical AI (Peggy Bloomer) 250 - Companion AI and Ethical Design: Learning From System Failures and User Desires (Alicia Vidler) 230 - Generative AI and Emotional Regulation in the Built Environment: Implications for Construction Workers (Ornella Tambwe) 161 - Co-Creating Urban Order: Exploring the Potential of Human-AI Collaboration in Addressing Informal Settlement Planning in the Global South (Nana Akua Asabea Gyadu-Asiedu) 281 - Explainable AI for Cybersecurity: A Constraint-Based Survey (Lan Zhang) 331 - Towards a Non-Local Brain-Computer Interface Based on QED Coherent States of Condensed Matter and its Prospects for Artificial General Intelligence (Luigi Maxmilian Caligiuri)	180 - Eco-Gated Multi-Task Neural Network for Forest Growth Modeling Using Ecological Feature Structuring (Wardah Ibrar) 244 - Nonlinear Climate-Migration Dynamics Revealed by Interpretable Machine Learning (Boyoon Choi) 155 - Physics-Conditioned Diffusion Model for Generating Synthetic Extreme Rare Weather Events Data (Marawan Yakout) 29 - Artificial Intelligence-Powered Technologies in the Construction Phase: A Bibliometric Analysis for Identification and Classification (Rexford Henaku Aboagye) 118 - The Role of Generative AI and Large Language Models in Sustainable and Resilient Infrastructure Design: A Bibliometric Review (Gloria Awnyetemy Akanyawie) 157 - Enhancing Construction Supply Chain Security with Blockchain: A Bibliometric Review (Ornella Tambwe) 310 - Privacy-Preserving Data Aggregation for High-Frequency Electricity Markets Using Paillier Encryption on Smart Meters (Selcuk Baktir)	51 - Elliptic-Temporal Intuitionistic Fuzzy Quads for Interpretable Industrial AI Strategy Evaluation (Velichka Traneva) 50 - An Intuitionistic Fuzzy Monte Carlo Approach to Sensitivity Assessment (Stoyan Tranev) 218 - Risk Management and Operational Effectiveness in AML/CFT Systems (Diana-Monica Haimana) 125 - Problem Solving with a Panel of 100 Artificial Business Experts: Empirical Comparison to Human Professionals (Tarmo Koppel) 136 - An AI- and DPP-Enabled Adaptive Production Planning Framework for Bullwhip Effect Mitigation in Automotive Supply Chains (Omid Fatahi Valilai) 137 - Using Large Language Model Enabled Solution to Identify Financial Risks in Supplier Contracts (Omid Fatahi Valilai) 277 - Causality Structure Symmetries for Agentic AI: Foundation in a Multicopy Complex Number Field and Symmetry Reification in an Extension Number Field (Jan Treur)

Session 16: Intelligent Transportation October 16 03:45 PM - 05:00 PM	Session 17: Computing October 16 03:45 PM - 05:00 PM	Session 18: Applied AI October 16 03:45 PM - 05:00 PM
314 - Asleep at the Wheel: JEPA's Limitations in Evaluating Novel Driving Data (Advait Pavuluri) 252 - Agentic Architectures for Intelligent Transportation Systems (Mahra Alali) 318 - Optimal Path Planning for UAVs in Digital Twin Edge Networks (Alif Ruslan) 308 - Input Data Bit Encoding and Hybrid Activation Function for Neural Network Model (Fakhrul Hazman Yusoff) 322 - Phishing Email Detection Using a Dual Word-Character Embedding Convolutional Neural Network (Noor Azma Ismail)	109 - Demystifying AI Communication: Classification by Functionality (Ivanka Valova) 75 - A Treatise on Information Criteria: Contributing to the Search for Life in the Universe (Petr Klán) 72 - Algebraic-Geometric Approaches to NP Problems and AI (Fred Roush) 76 - Multifidelity Triadic/Pentadic Computing and Consciousness (Michael Sobolewski) 107 - Physical Computing by Means of Colloidal Crystallites in Aqueous Solutions (Luigi Maxmilian Caligiuri)	279 - Reflex and Behavioral Metrics of Fatigue for Improving Educational Outcomes (Igor Val Danilov) 283 - The Curriculum Architect: A Hybrid Framework for Automated Prerequisite Graph Extraction from Educational Curricula (Ali Hesham Abdelrazek) 325 - A Lightweight CNN Steganalyser for Pixel Value Differencing Using High-Pass Filtering and Staged Fine-Tuning (Tahir Mehmood) 326 - Modeling Sentiment in Code-Mixed Social Media Using Machine Learning and Deep Learning Techniques (Tahir Mehmood) 286 - Explainable Recovery Intelligence: A Random Forest and SHAP Framework for Recommendation-Led Addiction Recovery Support (Nitish Chooramun, Maged Abdelmonem)