



TIME (Munich) CET/UTC+1	Thu Nov 6	Fri Nov 7
09:00 AM - 09:30 AM	Delegates Login	Delegates Login
09:30 AM - 11:00 AM	Opening + Keynote Talks - Mario Trapp, Fraunhofer IKS - Gitta Kutyniok, Ludwig-Maximilians-Universität	Keynote Talks - Wojciech Samek, TU Berlin - Stefan Wagner, Technical University of Munich
11:00 AM - 11:30 AM	Break	Break
11:30 AM - 12:30 PM	Paper Presentations - Session 1: Smart Healthcare - Session 2: Computing - Session 3: e-Learning	Paper Presentations - Session 10: Computer Vision - Session 11: Artificial Intelligence - Session 12: Security
12:30 PM - 01:30 PM	Lunch Break	Lunch Break
01:30 PM - 03:15 PM	Paper Presentations - Session 4: Internet of Things - Session 5: Data Science - Session 6: e-Learning	Paper Presentations - Session 13: Deep Learning - Session 14: Data Science - Session 15: Digital Transformation
03:15 PM - 03:30 PM	Break	Break
03:30 PM - 04:30 PM	Paper Presentations - Session 7: Smart Healthcare - Session 8: Computing - Session 9: e-Learning	Paper Presentations - Session 16: Computer Vision - Session 17: Artificial Intelligence - Session 18: Security
04:30 PM Onwards		Conference Closing

Future Technologies Conference 2025

Day 1 - November 6, 2025

Session 1: Smart Healthcare November 6 11:30 AM - 12:30 PM	Session 2: Computing November 6 11:30 AM - 12:30 PM	Session 3: e-Learning November 6 11:30 AM - 12:30 PM
332 - Higher-Order Adaptive Dynamical System Modelling of the Role of Epigenetics in Type 2 Diabetes Mellitus (Jan Treur) 340 - Analysis of the Epigenetics Leading to Inflammatory Bowel Disease Using an Adaptive Self-Modeling Network (Jan Treur) 300 - Vision Transformer-Based Fine-Tuned SAM for Enhanced Bariatric Surgery Image Segmentation (Mostafa D. Rahbar) 21 - Interactive Design Strategies to Alleviate Children's Health Care Anxiety (Chia-yin Yu) 96 - Well-Being Support System in Robotics (Bertrand Fache)	171 - Auto-Configuration of the Constructor Research Platform (Ekaterina Trofimova) 112 - The Relationship of Software Complexity and Understandability (James Helfrich) 333 - Enhancing Cloud Computing Performance with Ant Colony Optimization for Load Balancing (Suresh Sankaranarayanan) 36 - Cloud-Based Framework for Knowledge Sharing in Saudi Arabia's HEIs (AbdulRahman Alsaif) 42 - Reducing Social Isolation and Solitary Deaths with AI-Powered Conversational Companions (Yiejun Yi)	117 - Guides and Tellers: A Review of Tutoring Behaviours (Przemyslaw Pawluk) 262 - The Future of Grading: Can LLMs Accurately Score Student Work? (Zenun Kastrati) 48 - Navigating the Challenges of Large Language Models in Construction Education in South Africa: Balancing Innovation and Adoption (Clinton Aigbavboa) 137 - Embedded Interactive Cubes for STEAM Education (Luis Javier Serpa Andrade) 201 - Design and Implementation of an ESP32-Based Interactive STEM Module to Enhance Mathematical and Renewable Energy Understanding in Early Learning (Luis Javier Serpa Andrade)

Session 4: Internet of Things November 6 01:30 PM - 03:15 PM	Session 5: Data Science November 6 01:30 PM - 03:15 PM	Session 6: e-Learning November 6 01:30 PM - 03:15 PM
308 - WiFind: Context-Aware Survivor Localization and Pose Estimation Through Obstacles Using Wi-Fi Channel State Information (Nayel Rehman) 233 - Acoustic Localization and Voice User Interfaces for Robotic Furniture (John Finberg) 286 - FIRE: Fog-Based Intrusion Detection Framework for Real-time Security in IoT Environments (Bradley Boswell) 12 - Viability of Electric Vehicle Adoption in Outbound Logistics (Omid Fatahi Valilai) 58 - Opportunities for Internet of Things (IoT) Adoption in Construction Demolition Waste Management in Developing Nations: Professionals' Perspectives (Clinton Aigbavboa) 52 - Identifying AI Technologies Utilized in the Planning Phase of Construction Projects (Clinton Aigbavboa) 92 - Contractors of the Future: Integrating Internet of Things and 3D Printing in the Liberian Construction Industry (Clinton Aigbavboa) 108 - Trickle-E: Enhanced Trickle Timer with Residual Energy Consideration (Boulou Mahamadi)	32 - The Shape of Data: How Classification Constructs the Digital World? (Peggy Bloomer) 130 - Factors Influencing School Dropout (Yaimara Cespedes) 40 - Automated Test Case Generation from Natural Language Requirements Using Large Language Models (Ouafae Karmouda) 87 - Harnessing AI to Predict Lower Limb Varicose Veins (Nadia Salem) 51 - Evaluation of Demand Forecasting Algorithms in the Food Industry (Kevin P. Toapanta) 151 - Benchmarking Akan ASR Models Across Domain-Specific Datasets (Mark Atta Mensah) 206 - Predicting MOOC Student Success Using Aggregated Behavioral Features and Machine Learning Under the CRISP-ML(Q) Framework (Henry Nelson Roa Marin) 309 - Natural Language Processing Applied to Emotion Analysis for Continuous Improvement in Industrial Environments (Ana Alvarez Sanchez)	63 - K-12 Virtual Reality in STEM (Diane Guevara) 84 - Comparing AI and Human Self-Assessments in Memorization Performance (Meg Ermer) 80 - Enhancing Motivation in English for Specific Purpose Learning (Iva Grubjesic) 136 - Adaptive Learning Systems in Higher Education: Challenges, Trends, and Outcomes (Andrija Bernik) 126 - Design and Implementation of a Real-Time Audio Spectrum Analyzer Based on ESP32 with Distributed Processing and Web Visualization (Luis Javier Serpa Andrade) 317 - Virtual Inclusion in Distance Education: Challenges and Opportunities for Embracing Student Diversity (Pablo Alejandro Quezada Sarmiento) 338 - Neuroeducation as a Pillar of Inclusion: The Application of Cognitive Science in Inclusive Pedagogy (Aracelly Fernanda Núñez Naranjo) 25 - Proposal for Multisensory Recreational Rooms Based on Embedded Systems and Centralized Communication (Luis Javier Serpa Andrade)

Session 7: Smart Healthcare November 6 03:30 PM - 04:30 PM	Session 8: Computing November 6 03:30 PM - 04:30 PM	Session 9: e-Learning November 6 03:30 PM - 04:30 PM
268 - Identifying Abnormalities in Heart Sound Data Using Machine Learning with Interpretability (Surya Pothuri) 110 - CNN-Based Classification of Lung Diseases in Chest X-Ray Images (Mariam AlKhulaifi) 238 - CAN-Based Communication Interface for Industrial Servomotor Control in a Biomimetic Transhumeral Prosthesis (Luis Javier Serpa Andrade) 267 - Ontology for the Representation of Information on the SARS-CoV-2 Pandemic (Ana Laura Lezama Sanchez)	85 - Evaluating Hyper-V vs. Proxmox: Performance Comparison for Virtualization (Ivan Vakal) 116 - Enhancing Data Collection for Humanitarian Demining (Oleksandr Zarytskyi) 225 - Assessing the Viability of Quantum SAT Solvers: A Comparative Study Using Grover's Algorithm and Quantum Hardware (Higinio Mora) 274 - TCAD-SPICE Analysis of SEU and Reliability in Space-Grade SRAM from 90 nm to 28 nm (Igor A. Kharitonov) 329 - The Landscape of Quantum Computing Education in South Africa: Lessons from Global Practices (Laing Lourens) 247 - Simple Quantum Computing Implemented in Silicon with Decoupling and Encoding Quantum Bits in Classical Data (Nagi Mekhiel)	11 - Exploring the Impact of AI-Powered Educational Technologies on English Language Proficiency (Zahra Zohair Arab) 212 - Tuition Class Management System (Check-Yee Law) 8 - Enhancing Assessments in Engineering and Construction Education Through Student-Generated Podcasts (Douglas Aghimien) 43 - Korean Pronunciation Correction Web Application for the Hearing Impaired and Foreigners (Sangyoon Jung) 55 - Advancing STEM Learning in the New Normal: An Educational Mobile Game for Senior High School Students (Leonila B. Valdez)

Future Technologies Conference 2025 Day 2 - November 7, 2025

Session 10: Computer Vision November 7 11:30 AM - 12:30 PM	Session 11: Artificial Intelligence November 7 11:30 AM - 12:30 PM	Session 12: Security November 7 11:30 AM - 12:30 PM
188 - Automated Drone Image Analysis for Real-Time Disaster Response and Emergency Situations (Noam Nedivi) 34 - Intelligent Communication: Concepts, Technologies, Challenges (Ivanka Valova) 97 - Optimizing Edge Capacities in Flow Networks Using Moth-Flame Optimization Integrated with Ford-Fulkerson (Lama Sadi Awad) 111 - Real-Time Image Processing Based Spy Camera Detection System for Enhanced Privacy and Security (Maha Zayoud) 185 - A Review of Studies on Museum Information Design Based on VR and AR in China (Zhiyong Wang)	140 - Device First Continuum AI (DFC-AI): Realizing Human-Like AI (Siavash Alamouti) 59 - Mapping Digital Twin Technology Research Trends for Infrastructure Development in Emerging Economies (Clinton Aigbavboa) 69 - AI-Driven Quality Control in the Built Environment: A Machine Learning and Expert System Approach (Clinton Aigbavboa) 76 - Enhancing Workplace Well-Being with AI (Rakshitha Murali) 82 - Strategies for Fair Machine Learning Applications in the South African Construction (Clinton Aigbavboa)	14 - Using the NFT Architecture to Protect Intellectual Property in 3D Printing Ecosystems (Omid Fatahi Valilai) 28 - Computational Attestations of Polynomial Integrity Towards Verifiable Back-Propagation (Dustin Ray) 276 - Secure Code Generation with Parameter-Efficient Fine-Tuning of LLMs (Md Anwarul Hasan) 57 - Cloud-Based Project Information Management System Adoption (Clinton Aigbavboa) 98 - Cryptocurrency Transactions in the Construction Industry: Trends and Security Implications (Clinton Aigbavboa) 104 - How Zero Trust Reduces Cyber Risks and Lowers Cyber Insurance Premiums (Yuri Bobbert)

Session 13: Deep Learning November 7 01:30 PM - 03:15 PM	Session 14: Data Science November 7 01:30 PM - 03:15 PM	Session 15: Digital Transformation November 7 01:30 PM - 03:15 PM
163 - AIJIM: A Scalable Model for Real-Time AI in Environmental Journalism (Torsten Tiltack) 190 - Performance and Self-Evaluation of Free-Access Large Language Model Chatbots: A Multi-Metric Comparative Study (Khaled Sihoub) 75 - Human Vision Inspired Integration of Visual Saliency Maps and Deep Learning for Accurate and Efficient Cardiac Structure Detection (Racheal Mukisa) 301 - Energy Optimization Using Neural Networks (Michal Hodon) 120 - Machine Learning and Deep Learning for Botnet Detection Techniques: A Comparative Review (Lama Sadi Awad) 162 - Deep Learning Based Real Time Traffic Monitoring and Vehicle Tracking (Yehia Kotb) 217 - Graph Neural Network Based Dangerous Goods Transportation in Smart Cities (Yehia Kotb) 322 - ARCANET: Intelligent Audio Copyright Detection with Wavelet Transforms and LSTMs (Pranjali Talanki)	231 - Accelerated Policy Convergence via Knowledge Dissemination and Computational Optimization (Rami Alroobi) 236 - From User Intent to Product: Enhancing Auto-Completion with Knowledge Graphs in Industrial Computing Domain (Ilham Supriyanto) 237 - Temperature Forecasting on the Jena Climate Dataset Using SARIMA and Box-Jenkins Models (Jafari Reza) 277 - A Confidence-Interval Circular Intuitionistic Fuzzy Model for Evaluating Early-Career Academic Staff Productivity in STEM Higher Education (Velichka Traneva) 38 - A Knowledge Management System for Capturing and Reusing Best Practices in Learning Design: A Pilot Study (Mohammed Alsharidah) 241 - Towards Operational Efficiency: CRM Parameterization in Mobile Telecom Maintenance (Jorge Osmani Ordoñez-Ordoñez) 269 - Non-Invasive Detection of Moisture in Meat Tissue Using S-Parameters of Microstrip Antennas (Nathalia A. Chacón-Reino)	13 - An Integration of Blockchain Technology in the Supplier Selection Process (Omid Fatahi Valilai) 79 - Impact of Social Media Advertising on Functional Food Purchase Intention (Nguyen Thi Phuong Giang) 88 - Factors Influencing the Use of Digital Technologies for Cost and Time Efficiency in Modular Construction (Clinton Aigbavboa) 61 - Risk Associated with Digitalization in the Construction Industry: A Bibliometric Review of Present and Future Trends (Clinton Aigbavboa) 62 - Measures to Improve the Adoption of 4IR Technologies in the South African Construction Industry (Clinton Aigbavboa) 66 - Advancing Skills for the Construction Industry in the Era of 4IR: A Bibliometric Analysis (Clinton Aigbavboa) 132 - CAMS-F: Extending the Context-Aware Mobile System Framework for Cross-Platform Development with Flutter, Firebase, and Google Maps (Estevan Gomez-Torres) 244 - ASD and LRFD Under Gravity- and Seismic-Dominated Loads (Jonnathan Dario Santos Benitez)

Session 16: Computer Vision November 7 03:30 PM - 04:30 PM	Session 17: Artificial Intelligence November 7 03:30 PM - 04:30 PM	Session 18: Security November 7 03:30 PM - 04:30 PM
287 - Adversarial Pattern Identification in Face Recognition System (Amisha Bagri) 304 - DDG: Detecting Deceptive Gait Walk Based on Videos (Lavanya Srinivasan) 331 - Removing Unwanted Objects from Image/Frame by Generating Sub-Images Through Generative Adversarial Network (Roya Choupani) 302 - Interfaces and Usability in Digital Flight Logs: Applied Design in the Aeronautical Context (Ana Alvarez Sanchez)	146 - Exploring Artificial Intelligence Capabilities in the Detection and Classification of Prehistoric Rock Art Paintings (Sandra Jardim) 279 - Contemporary Stochastic Methods for Comprehensive Sensitivity Analysis (Stoyan Tranev) 248 - Learning from Events: A Synergistic Approach to Complex Event Processing and Machine Learning (Philip Wright) 1 - Comparative Study Among pix2pix, pix2pixHD and pix2pixHD+ for Conversion of SAR Images to Optical Images in Application of Disaster Area Detection (Kohei Arai) 227 - Method for Tea Leaf Plucking Timing Prediction with Budding Tea Leaf Detection Based on YOLO11 (Kohei Arai) 205 - AI-Powered Predictive Maintenance in Oil and Gas: Maximizing Efficiency and Profitability (Eldar Mardanov)	297 - Hybrid Insight: A Static-Dynamic Random Forest Framework for Detecting Obfuscated Android Malware (Jizhou Tong) 321 - Computational Analysis of Cascade Cyber Risk Management in Student Admissions Processes (Jan Treur) 337 - Developing the Cybersecurity Sectoral Risk Index (Jan Treur) 339 - Computational Analysis of the KnowBe4 Identity Fraud Case by a Multi-Adaptive Dynamical System Model (Jan Treur) 30 - Categories of Creativity Empirically Identified from Virtual 3D Worlds (Petr Klán)