



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 <ul style="list-style-type: none"> Mario Trapp, Fraunhofer IKS Torsten Schön, Technische Hochschule Ingolstadt 	Keynote Talks <ul style="list-style-type: none"> Wojciech Samek, TU Berlin Gitta Kutyniok, Ludwig-Maximilians-Universität
11:00 AM - 11:30 AM	Break	Break
11:30 AM - 12:30 PM	Paper Presentations <ul style="list-style-type: none"> Session 1: Smart Healthcare Session 2: Computing Session 3: e-Learning 	Paper Presentations <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> Session 4: Internet of Things Session 5: Data Science Session 6: e-Learning 	Paper Presentations <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> Session 7: Smart Healthcare Session 8: Computing Session 9: e-Learning 	Paper Presentations <ul style="list-style-type: none"> 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
<p>332 - Higher-Order Adaptive Dynamical System Modelling of the Role of Epigenetics in Type 2 Diabetes Mellitus (Jan Treur)</p> <p>340 - Analysis of the Epigenetics Leading to Inflammatory Bowel Disease Using an Adaptive Self-Modeling Network (Jan Treur)</p> <p>300 - Vision Transformer-Based Fine-Tuned SAM for Enhanced Bariatric Surgery Image Segmentation (Mostafa D. Rahbar)</p> <p>21 - Interactive Design Strategies to Alleviate Children's Health Care Anxiety (Chia-yin Yu)</p> <p>96 - Well-Being Support System in Robotics (Bertrand Fache)</p>	<p>171 - Auto-Configuration of the Constructor Research Platform (Ekaterina Trofimova)</p> <p>112 - The Relationship of Software Complexity and Understandability (James Helfrich)</p> <p>333 - Enhancing Cloud Computing Performance with Ant Colony Optimization for Load Balancing (Suresh Sankaranarayanan)</p> <p>36 - Cloud-Based Framework for Knowledge Sharing in Saudi Arabia's HEIs (AbdulRahman Alsaif)</p> <p>42 - Reducing Social Isolation and Solitary Deaths with AI-Powered Conversational Companions (Yiejun Yi)</p>	<p>117 - Guides and Tellers: A Review of Tutoring Behaviours (Przemyslaw Pawluk)</p> <p>262 - The Future of Grading: Can LLMs Accurately Score Student Work? (Zenun Kastrati)</p> <p>48 - Navigating the Challenges of Large Language Models in Construction Education in South Africa: Balancing Innovation and Adoption (Clinton Aigbavboa)</p> <p>137 - Embedded Interactive Cubes for STEAM Education (Luis Javier Serpa Andrade)</p> <p>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)</p>
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
<p>308 - WiFind: Context-Aware Survivor Localization and Pose Estimation Through Obstacles Using Wi-Fi Channel State Information (Nayel Rehman)</p> <p>233 - Acoustic Localization and Voice User Interfaces for Robotic Furniture (John Finberg)</p> <p>286 - FIRE: Fog-Based Intrusion Detection Framework for Real-time Security in IoT Environments (Bradley Boswell)</p> <p>12 - Viability of Electric Vehicle Adoption in Outbound Logistics (Omid Fatahi Valilai)</p> <p>58 - Opportunities for Internet of Things (IoT) Adoption in Construction Demolition Waste Management in Developing Nations: Professionals' Perspectives (Clinton Aigbavboa)</p> <p>52 - Identifying AI Technologies Utilized in the Planning Phase of Construction Projects (Clinton Aigbavboa)</p> <p>92 - Contractors of the Future: Integrating Internet of Things and 3D Printing in the Liberian Construction Industry (Clinton Aigbavboa)</p> <p>108 - Trickle-E: Enhanced Trickle Timer with Residual Energy Consideration (Boulou Mahamadi)</p>	<p>32 - The Shape of Data: How Classification Constructs the Digital World? (Peggy Bloomer)</p> <p>130 - Factors Influencing School Dropout (Yaimara Cespedes)</p> <p>40 - Automated Test Case Generation from Natural Language Requirements Using Large Language Models (Ouafae Karmouda)</p> <p>87 - Harnessing AI to Predict Lower Limb Varicose Veins (Nadia Salem)</p> <p>51 - Evaluation of Demand Forecasting Algorithms in the Food Industry (Kevin P. Toapanta)</p> <p>151 - Benchmarking Akan ASR Models Across Domain-Specific Datasets (Mark Atta Mensah)</p> <p>206 - Predicting MOOC Student Success Using Aggregated Behavioral Features and Machine Learning Under the CRISP-ML(Q) Framework (Henry Nelson Roa Marin)</p> <p>309 - Natural Language Processing Applied to Emotion Analysis for Continuous Improvement in Industrial Environments (Ana Alvarez Sanchez)</p>	<p>63 - K-12 Virtual Reality in STEM (Diane Guevara)</p> <p>84 - Comparing AI and Human Self-Assessments in Memorization Performance (Meg Ermer)</p> <p>80 - Enhancing Motivation in English for Specific Purpose Learning (Iva Grubjesic)</p> <p>136 - Adaptive Learning Systems in Higher Education: Challenges, Trends, and Outcomes (Andrija Bernik)</p> <p>126 - Design and Implementation of a Real-Time Audio Spectrum Analyzer Based on ESP32 with Distributed Processing and Web Visualization (Luis Javier Serpa Andrade)</p> <p>317 - Virtual Inclusion in Distance Education: Challenges and Opportunities for Embracing Student Diversity (Pablo Alejandro Quezada Sarmiento)</p> <p>338 - Neuroeducation as a Pillar of Inclusion: The Application of Cognitive Science in Inclusive Pedagogy (Aracelly Fernanda Núñez Naranjo)</p> <p>25 - Proposal for Multisensory Recreational Rooms Based on Embedded Systems and Centralized Communication (Luis Javier Serpa Andrade)</p>

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

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

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

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
<p>287 - Adversarial Pattern Identification in Face Recognition System (Amisha Bagri)</p> <p>304 - DDG: Detecting Deceptive Gait Walk Based on Videos (Lavanya Srinivasan)</p> <p>291 - Apple Leaf Disease Detection: A Comprehensive Analysis of Pre-Trained Models and Platform Development (Masoud Shakiba)</p> <p>331 - Removing Unwanted Objects from Image/Frame by Generating Sub-Images Through Generative Adversarial Network (Roya Choupani)</p> <p>302 - Interfaces and Usability in Digital Flight Logs: Applied Design in the Aeronautical Context (Ana Alvarez Sanchez)</p>	<p>146 - Exploring Artificial Intelligence Capabilities in the Detection and Classification of Prehistoric Rock Art Paintings (Sandra Jardim)</p> <p>279 - Contemporary Stochastic Methods for Comprehensive Sensitivity Analysis (Stoyan Tranev)</p> <p>248 - Learning from Events: A Synergistic Approach to Complex Event Processing and Machine Learning (Philip Wright)</p> <p>1 - Comparative Study Among pix2pix, pix2pixHD and pix2pixHD+ for Conversion of SAR Images to Optical Images in Application of Disaster Area Detection (Kohei Arai)</p> <p>227 - Method for Tea Leaf Plucking Timing Prediction with Budding Tea Leaf Detection Based on YOLO11 (Kohei Arai)</p> <p>205 - AI-Powered Predictive Maintenance in Oil and Gas: Maximizing Efficiency and Profitability (Eldar Mardanov)</p>	<p>297 - Hybrid Insight: A Static-Dynamic Random Forest Framework for Detecting Obfuscated Android Malware (Jizhou Tong)</p> <p>321 - Computational Analysis of Cascade Cyber Risk Management in Student Admissions Processes (Jan Treur)</p> <p>337 - Developing the Cybersecurity Sectoral Risk Index (Jan Treur)</p> <p>339 - Computational Analysis of the KnowBe4 Identity Fraud Case by a Multi-Adaptive Dynamical System Model (Jan Treur)</p> <p>30 - Categories of Creativity Empirically Identified from Virtual 3D Worlds (Petr Klán)</p>