

ICACIN 2026 Paper Presentation Schedule

Day 1: Thursday, 10 th September, 2026	
Time: 9:00 am – 6:00 pm (UK Time: GMT+1) MS Teams link: https://teams.microsoft.com/join/386572885385634?p=kRDpwjEOcwJ8Jzk6Gc Meeting ID: 386 572 885 385 634 Passcode: 6ft3cG2Y Room: The Challenge Lab (CST005), STEAMhouse, Birmingham City University	
Opening Ceremony Session Chair: Dr Qamar Natsheh	
9:00 am– 10:30 am	Welcome & keynote speeches Keynote Speaker I: Professor Rachid Saadane, the Hassania School of Public Works (EHTP) in Casablanca, Morocco. Title: <i>Toward 6G Networks: Vision, Enabling Technologies, and Future Research Directions</i> Keynote Speaker II: Professor Youssef Baddi, Chouaïb Doukkali University in El Jadida, Morocco. Title: <i>Trust No One, Not Even AI: A Zero Trust Framework for Autonomous IA agents</i>
10:30 am - 11:00 am	Break
Session I (Artificial Intelligence) Session Chair: Dr Essa Shahra	
11:00 am – 11:15 am	From Thai Clinical Text to FHIR-Compatible Resources: SNOMED CT-Grounded Evidence for Inspectable Clinical Mapping Artid Boonrerng, Noh Sabri Elmitwally, Edlira Vakaj, and Hadeel Saadany"
11:15 am – 11:30 am	An Explainable Hybrid Decision Support System Framework for Postgraduate Student Readiness Assessment Zety Munira Zainudin, Ahmad Najmi Amerhaider Nuar, and Seah Choon Sen
11:30 am – 11:45 am	RAG-Enhanced Wikipedia Chatbot: Optimizing Information Retrieval for Customer Support Shima Hosseini, Essa Q. Shahra, Miftah Ghneim, and Samer Bamansoor
11:45 am – 12:00 pm	A Hybrid Quantum-Classical Convolutional Neural Network with Sinkhorn Optimal Transport for Multi-Class Image Classification Taha-Amine Miri, Aissa Kerkour Elmiad, and Mohammed Badaoui
12:00 pm – 1:00 pm	Lunch Break
Session II (AI & Data Science) Session Chair: Mohammad Nour Albaarini	

1:00 pm – 1:15 pm	A Progression-Aware Machine Learning Framework for Pathogen-Specific Disease Monitoring in Hydroponic Lettuce Abdulaziz Aborujilah
1:15 pm – 1:30 pm	An LLM-Based Mission Planning Framework for Autonomous UAV Systems Zarina Kutpanova, David Naseh, Alexey Semchenko, Dmitry Shandronov, and Dmitriy Ignatiev
1:30 pm – 1:45 pm	USRA: A Domain-Specific Arabic Legal QA Dataset and RAG-Based System for Saudi Family Law Alaa Alharbi, Asmaa Alamri, Alyaa Alraddadi, Sara Alarawi, Renad Aljohani, and Alyaa Alharthi
1:45 pm – 2:00 pm	Twinql: Hybrid Data- and Workload-Driven Relational Layout Synthesis for Querying RDF Graphs on Spark SQL Mohamed Ragab, Farid Valiyev, Faisal Saeed and Helen Oliver
2:00 pm – 2:15 pm	Diagnosing Policy Collapse in PPO-Based HPC Resource Allocation Mohammad Nour Albaarini, Noh Elmitwally, Khalid Ismael and Adel Anieba
2:15 pm – 2:30 pm	Automated Classification of Retinal Diseases in Optical Coherence Tomography: A Deep Learning Analysis of Choroidal Neovascularization, Diabetic Macular Edema, and Drusen Bakr Kamal and Abderrahmane Ez-Zahout
2:30 pm – 2:45 pm	A Statistically Controlled Benchmarking of Self-Supervision and Class Balancing in Small Tabular Clinical Dataset Abuelgasim Abusonoun and Nesrine Atitallah
2:45 pm – 3:00 pm	Substrate or Architecture? A Factorial Evaluation Methodology for Attributing Reliability in Grounded Enterprise Agents Evelyn Edjere, Daniel Iyalekhue, Iain Rice, Oliver Storr, and Ashley Durnall
3:00 pm – 3:30 pm	Lunch Break
Session III	
(Security & AI) Session Chair: Dr Hamza Muter	
3:30 pm - 3:45 pm	From Vulnerability Detection to Autonomous Remediation: A Four-Wave Taxonomy of AI-Driven Security in the SDLC Fadwa LAMIA and Mohamed ERRAIS
3:45 pm - 4:00 pm	Network Security of OT Local Connection for Combined Heat and Power with PLC Leila Rzayeva, Alisher Batkuldin, Arina Kantayeva and Aliya Zhetpisbayeva

4:00 pm – 4:15 pm	A Verifiable Integrity Model for Android Evidence Acquisition: Hash-Based Proof of the Zero-Modification Property and a Quantitative Bound on Deleted-Evidence Loss Madi Shayakhmetov, Leila Rzayeva, Yerassyl Yermekov, Rostyslav Lisnevskyi, Nursultan Nyssanov, and Ali Myrzatay
4:15 pm – 4:30 pm	Usage Control for Next-Generation Public Data Exchange and Governance Infrastructures Oleksandr Kosenkov, Fathiyeh Faghieh, Eric Blake Jackson and Theo Dimitrakos
4:30 pm – 4:45 pm	ChainGuard AI: A Blockchain Transaction Intelligence Framework for Real-Time Detection of Illicit Financial Activity Aldiyar Amangeldi and Zhaksylyk Kozhakhmet
4:45 pm – 5:00 pm	Transformer-Based Tabular Learning for Explainable ADS-B Intrusion Detection and Heterogeneous Attack Characterization Waqas Ahmed, Ammar Masood, Jawad Manzoor, Pekka Toivanen, and Keijo Haataja
5:00 pm – 5:15 pm	Operational Cyber Assurance: Translating Safety-Critical Assurance Principles into Industrial Cybersecurity Governance Deinkumo Liberty and Emeka Emmanuel Oziri
5:15 pm – 5:30 pm	Zero-Downtime PQC Transition for Multi-Tenant Cloud Storage via Cryptographic Agility Protocols Mohamed Nizar Nifadh and Adithya Atthanayake
5:30 pm – 5:45 pm	A Geospatial, Narrative-Driven Capture-the-Flag Model for Progressive Cyber-Range Training: Design and Deployment of an Interactive Attack–Defence Polygon Madi Shayakhmetov, Zhaksylyk Kozhakhmet, Aigerim Alibek, and Korhan Kayisli
5:45 pm – 6:00 pm	A Unified Benchmark of CNNs, GNNs and Quantum Hybrid Models for Molecular Toxicity Regression Abdelmalek Chenini, Hacene Belhade, Wad Ghaban and Hamza Hentabli
Day 2: Friday, 11th September, 2026	
9:00 am – 6:00 pm (UK Time: GMT +1) MS Teams Link: https://teams.microsoft.com/meet/34771173412342?p=wUCfu7bWUcHfz88Wp0 Meeting ID: 347 711 734 123 42 Passcode: WN2AK6vt Room: The Challenge Lab (CST 005), STEAMhouse, Birmingham City University	
Session Chair: Dr Hadeel Saadany	
9:00 am – 9:30 am	Keynote Speaker III: Dr Zakariya Ghalmane , Digital Innovation Laboratory for Companies and Learnings (CESI LINEACT), France <i>Title: Complex Networks in the service of more secure IoT networks</i>

Session I	
(IoT & AI) Session Chair: Dr Fathiyeh Faghih	
9:30 am – 9:45 am	Privacy-Utility Trade-offs Across IoT Network Topologies in Federated Graph Intrusion Detection Fouad Al Tfaily, Zakariya Ghalmane, Mohamed-El-Amine Brahmia, Hussein Hazimeh, Ali Jaber, and Mourad Zghal
9:45 am – 10:00 am	Fed-Degree: A Lightweight Topology-Aware Federated Learning Framework for IoT Intrusion Detection under Data Heterogeneity Hadjer Douina, Hamdane Bensenane, Zakariya Ghalmane, and Mohamed-El-Amine Brahmia
10:00 am – 10:15 am	A Trust-Aware TinyML 5.0-Based Approach for Detecting Zero-Day Attacks in Edge-Cloud Healthcare IoT Services Samreen Hussain, Abdullah Lakhan, Qurat-UI-Ain Mastoi, and Ambreen Hussain
10:15 am – 10:30 am	Defence-in-Depth Evaluation of a Seven-Layer AI-Driven Intrusion Prevention System for MQTT-Based Smart Home IoT Networks Jihad Seif and Tawfik Al-Hadhrami
10:30 am – 10:45 am	Hybrid IoT-Based Intelligent Traffic Control for Smart Cities: A Systematic Review Khalid Tizra, Brahim Raouyane, Abdelkrim Saouabe, and Doha Banoui
10:45 am – 11:00 am	A Time-Aware Multi-Objective Machine Learning Framework for Climate-Informed Crop Recommendation Abdulaziz Aborujilah
11:00 am – 11:15 am	Generative AI, Academic Integrity, and Policy Governance in Higher Education: A Systematic Literature Review Sheikha Al-Hinai, Rolando Jr Lontok and Alice M. Lontok
11:15 am – 11:30 am	The Impact of ChatGPT on Critical Thinking and Cognitive Offloading among IT Students: A Quasi-Experimental Study Soad Alkhatri and Rolando Jr Lontok
11:30 am – 11:45 am	Voice Activity Detection Consistently Degrades Low-Resource Kazakh Speech Recognition: A Controlled Study Across Noise Types and SNR Levels Nursultan Nyssanov, Leila Rzayeva and Gerald Feldman
11:45 am – 12:00 pm	Intelligent Document Processing with Multimodal Layout Reconstruction and Instruction-Tuned LLM for Purchase Order Extraction Afsana Rahman, Faisal Saeed, Iain Rice, Mohamed Ragab and Ziad Tariq Muhammad Ali"
12:00 pm – 1:00 pm	Lunch Break
Session II	
(Security & AI) Session Chair: Shahbaz Ali Imran	
1:00 pm - 1:15 pm	Privacy-Preserving AI Decision-Support Framework for Cyberbullying Detection in Digital School Environments Rabiga Suleimenova

1:15 pm – 1:30 pm	Intelligent IDS for Modern Vehicles: AI and Machine Learning Approaches for CAN-Bus Threat Detection Brahim Ghazouani
1:30 pm – 1:45 pm	Graph-Based Hidden Mobile Device Link Discovery Using Machine Learning Alissa Ryzhova, Zhaksylyk Kozhakhmet, Leila Rzayeva and Mohamed Ragab
1:45 pm – 2:00 pm	Compression Is Not the Threat: Re-examining Audio Deepfake Detector Robustness under Telephony Degradation and Domain Shift Dariga Abduali1, Dayana Rakhmatullina1, Leila Rzayeva1, Rahid Zahid Alekberli, Alina Belonossova, and Alem Ibrayeva
2:00 pm – 2:15 pm	Transformer Models for Clinical PHI De-Identification: A risk-weighted Entity-Level Evaluation Framework Fuaad Shurie, Saania Kapila, Qamar Natsheh and Lamya Abdullah
2:15 pm – 2:30 pm	From Narrative Blindness to Calibrated Credulity: Chain-of-Custody Anomaly Detection in Metadata of Text Artifacts Dayana Rakhmatullina, Dariga Abduali, Suhail Ahmad Rana, Alisher Batkuldin, Aliya Zhetpisbayeva, Bekarys Nurzhauabev, and Leila Rzayeva
2:30 pm – 2:45 pm	Design and Implementation of a Modular Hybrid Telemedicine System with Off-Chain Clinical Data and Permissioned Blockchain Auditing Altynbek Seitenov
2:45 pm – 3:00 pm	Profiling-Grounded Continuous Security Assurance for Smart Homes: Mitigating False Positives via Hybrid System–Network Telemetry Shahbaz Ali Imran, Junaid Arshad, Yussuf Ahmed, Fuad A. Ghaleb and Malik Uzair Mehmood
3:00 pm – 3:30 pm	Break
Session III	
(Artificial Intelligent) Session Chair: Dr Mariam Adedoyin-Olowe	
3:30 pm - 3:45 pm	LLM-Powered SOC Assistants: Prompt Injection Risks in Threat Triage Tayyeb Somro, Bilal Arshad, and Ammara Gul
3:45 pm - 4:00 pm	Predicting Safe HPC Resource Usage with Calibrated Machine Learning Costica Andrei Dan and Mohammad Nour Albaarini
4:00 pm – 4:15 pm	Application of Quantum Kernel-Based Recurrent Networks in Time-Series Forecasting Islam Djemmal, Hacene Belhadeb and A.M. Mutawa
4:15 pm – 4:30 pm	An Explainable AI Framework for Behavioural Gameplay Analysis and Early Mental Health Decision Support in Children Farah Iqbal, Mohamed Ragab and Aliasha Iqbal

4:30 pm – 4:45 pm	An Explainable End-to-End Decision Framework for Corporate Credit Rating and Operational Lending Aimene Kriba, Ahmed Dhia Eddine Schaim and Hacene Belhadeb
4:45 pm – 5:00 pm	Contrastive Bootstrap Representation Learning for Label-Efficient Agricultural Image Classification Hazem Haroun, Ali Hamdi and Ammar Mohammed
5:00 pm – 5:15 pm	Explainable Hybrid Classical-Quantum Image Classification using Quantum-Aware Autoencoders Iheb Bounab, Hacene Belhadeb, Wad Ghaban and Faisal Saeed
5:15 pm – 5:30 pm	Battery-Level Evaluation of Machine Learning Methods for State-of-Health Estimation of Lithium-Ion Batteries Using BMS-Accessible Charging Measurements Valeria Hernandez, Alexya Jankowski, Yousef Fazee, Yousef Sardahi and Asad Salem
5:30 pm - 6:00 pm	<i>Closing Ceremony</i>