

AGENDA

The 11th International Conference on Cyber Security and Intelligent Networks and Systems (ICCS) 2025

Day 1: 8th December 2025

Time: 09:30 – 15:30

Location: Hospitality Suite, Cardiff School of Management,
Cardiff Metropolitan University, CF5 2YB, UK



Time (UK)	Activity
09:30-10:00	Welcome Tea/Coffee
10:00-10:10	Opening Remarks - <i>Dr Mohammad Haseeb Zafar (Programme Chair)</i> Welcome - <i>Dr Chaminda Hewage (Associate Dean Research, CST)</i>
10:10-10:50	Keynote 1: Securing the Future: Addressing Cybersecurity Workforce Challenges through Inclusion, AI-readiness, and Global Cooperation <i>Dr Yulia Cherdantseva, Cardiff University, UK</i> <i>Session Chair: Dr Liqaa Nawaf (Programme Chair / Book Editor)</i>
10:50-11:30	Keynote 2: Building Intelligent Underwater Networks: Technologies, Challenges, and Future Directions <i>Dr Ruhul Amin Khalil, United Arab Emirates University (UAEU), Al Ain, UAE.</i> <i>Session Chair: Dr Abdelrahman Abuarqoub (HoD Cyber Security, CST)</i>
11:30-12:30	Session 1 (in-person) <i>Session Chair: Dr Yulia Cherdantseva / Dr Amir Javed (Cardiff University)</i>
11:30-11:45	36. Leveraging Responsible AI for Automated Cybersecurity Audit Planning <i>Obrina Briliyant, Amir Javed, Yulia Cherdantseva</i>
11:45-12:00	76. A Lightweight Governance-Driven Adversarial Robustness Pipeline for AI- Based Intrusion Detection in SMEs <i>Arslan Zafar, Nisha Rawindaran</i>
12:00-12:15	77. Securing the Smart Enterprise: Cybersecurity, Governance, and Risk Management for SMEs in the Industry 5.0 Era Based on Attack Surface Summary and Penetration Testing Reports <i>Selina Ndungu, Nisha Rawindaran</i>
12:15-12:30	83. Evaluating Social Bias in Large Language Models Across Different Multilingual Settings <i>René Campbell, Edyta Ołów, Jisu Shin Shin, Yen Shin, dr Gualtiero Colombo</i>
12:30-13:30	Lunch
13:30-14:10	Keynote 3: Privacy and Anonymity in the Digital Era: Principles, Risks, and Practical Solutions <i>Dr Bayan Alamri, University of Prince Mugrin, Madinah, Saudi Arabia</i> <i>Session Chair: Dr Sabeen Tahir (Technical Chair / Book Editor)</i>
14:10-14:30	Tea/Coffee Break
14:30-15:30	Session 2 (in-person) <i>Session Chair: Dr Nisha Rawindaran (University of South Wales)</i>
14:30-14:45	94. AI-Driven Cyber Hygiene for Startups An Incubator-Based Cybersecurity Framework <i>Louise Powell, Nisha Rawindaran, Nick Lambert</i>

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14:45-15:00	97. A Π -Form Bayesian Monte Carlo Framework for Quantitative Cybersecurity Risk Assessment in the UK Public Sector <i>Kyus Martin, Nisha Rawindaran</i>
15:00-15:15	122. Optimising Cyber Security in UK Digital Health Through AI Implementation <i>Stephen Ekeh</i>
15:15-15:30	136. Advancing Cyber Defense with AI: The Role of Large Language Models in Threat Detection <i>Tarek El Anssari</i>
15:30	End of Day 1

Day 2: 9th December 2025

Time: 09:00 – 14:30

Location: Online (MS Teams)



Time (UK)	Activity
09:00-11:45	Session 1 (online) Session Chair: Dr Tauseef Ahmed, University of East London, UK
09:00-09:15	3. Performance Evaluation of AI Based Intrusion Detection in UAV Cyber-Physical Environments <i>Muhammad Ehsan, Hafiz Muhammad Attaullah, Shahzad Memon, Tauseef Ahmed, Omar Almomani</i>
09:15-09:30	4. Deepfake Technology: Ethical Implications and Malicious Applications <i>Syed Ahmed Ali, Shahzad Memon, Tauseef Ahmed, Duygu Demiray Akkaya</i>
09:30-09:45	5. Adversarial Challenges in AI-Driven Social Platforms <i>Jawad Hussain Awan, Shahzad Memon, Tauseef Ahmed, Nisar Memon</i>
09:45-10:00	22. Imputation Strategies and SHAP-Based Classification of Bitcoin's Safe Haven Role <i>Manjunath BR, Sunil Kumar</i>
10:00-10:15	26. Security Framework for secure video data transmission with DNA encryption enabled metamorphic cryptography <i>Namrata Laxman Jogi, Maithili Arjunwadkar</i>
10:15-10:30	39. Ethical Challenges of AI Use in Decision-Making Systems in Agricultural Industries in India: A Comprehensive Analysis <i>Amol Chavan, Santosh Parakh, MAJHARODDIN Kazi</i>
10:30-10:45	53. Factors Influencing The Experiences of End-users in Password-Based Authentication System <i>Celestine Ugwu, Elochukwu Ukwandu, Lizzy Ofusori, Assumpta Ezugwu, Uchenna Ome, Modesta eEzema, Juliana Ndunagu</i>
10:45-11:00	60. A Unified Multimodal–Crossmodal Deep Fusion Framework for Emotion Recognition <i>Harshad More, Jeet Jain</i>
11:00-11:15	81. Resilient IoT Intrusion Detection for Critical Infrastructure: A Multi-Dataset Deep Learning Study

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	<i>Khurram Malik, Muhammad Imran, Qazi Emad Ul Haq</i>
11:15-11:30	95. AI-Based Disaster Recovery and Fault Tolerance in Cloud Systems <i>RameshD Jadhav, Vipul Shejul, Chandrani Singh, Milind Godase</i>
11:30-11:45	96. XQML: Bridging Quantum Computing and Explainable AI for Business Trust <i>RameshD Jadhav, Sarvesh Bendre, Milind Godase</i>
12:00-14:30	Session 2 (online) Session Chair: Dr Thangavel Murugan, United Arab Emirates University, UAE
12:00-12:15	98. Bridging the Cybersecurity Skills Gap through Gamification: The Great AppSec Hackathon Model <i>Amir Javed , Sai Krishna Singupuram</i>
12:15-12:30	103. Revolutionizing Anomaly Detection in Industrial Control Systems through Federated Learning <i>Sairam Utukuru</i>
12:30-12:45	107. Fusion-Driven Threat Intelligence for SOCs: Enriching Security Events with MITRE ATT&CK, the Diamond Model, and Threat Intelligence Feeds <i>Asad Maqsood, Syifak Izhar Hisham Izhar Hisham, Mohamad Irsan, Shahid Maqsood, Hafsa Tayyeba</i>
12:45-13:00	111. A Modified Transformer Framework for Improved SMS Spam Detection <i>Rajnish Singh, Sandeep Singh Sengar, Nikhil Sharma, Ashish Tripathi, Basil Hanafi</i>
13:00-13:15	123. Securing Cyber-Physical Systems: A Comprehensive Analysis of TLS/SSL, DTLS, IPsec, and SSH Protocols. <i>Baraa Sharef, Mansoor Farooq</i>
13:15-13:30	129. Transformer Networks for Transfer Learning in EEG-based Mental Workload Analysis <i>Sahil Sonar, Mangesh Kose</i>
13:30-13:45	130. AI-Powered Vulnerability Analysis Platform for Cybersecurity Education <i>Amir Javed, Shruti Mantri, Rizwan Zhad, Arunima Chaudhary</i>
13:45-14:00	131. The Future of SME Cybersecurity: Building Resilience Through Artificial Intelligence <i>Mansour Almalki</i>
14:00-14:15	138. Privacy-Preserving Identity Verification using Zero-Knowledge Proofs and Blockchain <i>Rajat Bandekar, Harshita Ranka, Deepti Reddy</i>
14:15-14:30	144. ADVANCED DETECTION OF HARASSMENT AND FRAUD IN DIGITAL COMMUNICATIONS <i>M. Chiranjeevi Chitrasimhachowdary, K. Keerthi</i>
14:30	Closing remarks - Dr Liqaa Nawaf (Programme Chair / Book Editor) End of the Event

Note:

- 1. All timings are in the UK time zone.**
- 2. Your presentation should last for 10 minutes, followed by a 5-minute question and answer session.**
- 3. Link to access the conference (both days): https://teams.microsoft.com/l/meetup-join/19%3ameeting_ODY5YTJlYjMtYwVIMi00ZjRjLTk2MDctND-NmNWQ1N2Y1Nzcxw%40thread.v2/0?context=%7b%22Tid%22%3a%22189dc61c-769b-4048-8b0f-6de074bba26c%22%2c%22Oid%22%3a%221f70957e-a65d-44e6-a6c9-182044c4397f%22%7d**