

AGENDA

The 9th International Conference on Cyber Security, Privacy in Communication Networks (ICCS) 2023



Day 1: 11th December 2023
Time: 09:00 – 16:00
Location: Cardiff School of Management, Cardiff Metropolitan University,
UK

Time	Activity
09:00-09:30	Guests arrive in Cardiff School of Management (CSM) <i>Registration & Tea/Coffee in Atrium, CSM</i>
09:30-12:00	<i>Guests Move to Room 02.16 (CSM)</i>
09:30-09:45	Opening remarks - <i>Dr Chaminda Hewage (Programme Chair)</i> Welcome - <i>Prof Jon Platts (Dean, CST)</i>
09:45-10:40	Keynote 1: Analysing vulnerabilities and security issues in mobile applications <i>Dr Muhammad Ikram, Macquarie University, Sydney, Australia</i> <i>Session Chair: Dr Mohammad Haseeb Zafar (Organising Chair)</i>
10:45-12:00	Session 1: Applications of Data Science and Cybersecurity Innovations in Industry 5.0 Technologies <i>Session Chair: Prof Phil Legg</i>
10:45-11:00	03: An RFP dataset for Real, Fake, and Partially fake audio detection <i>AlAli, Theodorakopoulos</i>
11:00-11:15	09: Security management of autonomous transportation services in the tourism Industry <i>Qasem, Thayananthan, Shuaib Qureshi</i>
11:15-11:30	10: An Innovative Feature Selection Approach for CAN Bus Data Leveraging Constant Value Analysis <i>Althunayyan, Javed, Rana</i>
11:30-11:45	26: Data Security and Data Privacy by Design: A Software Engineering Approach in the Design of a GDPR Compliant Event Management App <i>Wylde, Prakash, Hewage</i>
11:45-12:00	29: Creating an Adaptive Defence Architecture using an Adaptive Honeypot Algorithm and Network Traffic Classifier <i>Matcheswala, Javed</i>
12:00-13:00	<i>Lunch in Atrium, CSM</i>
13:00-16:00	<i>Guests Move to Room 01.08 (CSM)</i>
13:00-13:55	Keynote 2: Securing the Internet of Things: Challenges, Strategies, and Future Directions <i>Dr Bernardi Pranggono, Anglia Ruskin University, Cambridge, UK</i> <i>Session Chair: Dr Mohammad Haseeb Zafar (Organising Chair)</i>
14:00-15:00	Session 2: INNOVATIONS IN AI-DRIVEN CYBERSECURITY: CHALLENGES AND OPPORTUNITIES <i>Session Chair: Dr. Kapilan Radhakrishnan</i>
14:00-14:15	6: Evaluating Data Distribution Strategies in Federated Learning: A Trade-off Analysis between Privacy and Performance for IoT Security <i>White, Legg</i>
14:15-14:30	17: Improving Search Space Analysis of Fuzzing Mutators using Cryptographic Structures <i>Bamohabbat Chafjiri, Legg, Tsompanas, Hong</i>
14:30-14:45	27: Does Privacy Awareness Matter? A Study of Voice Assistant Related

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	Privacy and Security Concerns <i>Mithila, Lumor</i>
14:45-15:00	45: Trust of Citizens? – Reasoned distrust might be a better plan <i>Platts, Carroll</i>
15:00-15:15	Tea/Coffee Break in Atrium, CSM
15:15-16:00	Session 3: General Session Chair: Dr Mamoun Qasem
15:15-15:30	46: A Novel Comparison Validation Framework for IDS and IPS <i>Yousif, Hewage, Nawaf</i>
15:30-15:45	55: Enhancing Medical Device Security: Exploring the Exploitability and Impact of GUI Vulnerabilities through a Hacking Tool Experiment <i>Tahir, JK Küfner, Tahir Bakhsh, Danso, Mohaisen</i>
15:45-16:00	67: Securing Financial Applications from Inception: A Comprehensive Security Design Review <i>Tahir, Aadil, Ohanyan Ohanyan, Mohaisen</i>
16:00	End of Day 1

Day 2: 12th December 2023

Time: 09:00 – 16:30

Location: Online (MS Teams)



Time	Activity
09:00-09:55	Keynote 3: Cyber Risk and Resilience for Critical National Information Infrastructure (CNII) Sectors: Are We Ready? <i>Professor Ts Dr Madidah Mohd Saudi, Universiti Sains Islam Malaysia</i> Session Chair: Dr Chaminda Hewage (Programme Chair)
10:00-10:45	Session 4: CYBERWAREFARE AGAINST CRITICAL NATIONAL INFORMATION INFRASTRUCTURE (CNII): ADVANCES AND CHALLENGES Session Chair: Professor Ts Dr Madidah Mohd Saudi
10:00-10:15	13: IoT Integrated Approach to Predict the Elderly Fall Using AI <i>Chauhan, Satyam, Yafi, Zuhairi, Ghazali</i>
10:15-10:30	20: Improving Dynamic Security of the Least Significant Bit using Block-Based Chaotic Multi-Level LSB (BCM-LSB) <i>RIDZUAN, Mohd Sayuti, Azni, Zakaria, Harjito, Noor Azam, Noor Azam</i>
10:30-10:45	58: Multilevel Artificial Intelligence-Based Authentication System with Anti-Spoofing Technique <i>Hafizah, Ilyas, Zulkifli, SALLEHUDIN</i>
10:45-11:00	Break
11:00-12:30	Session 5: Enabling through technology- Data Communication, Data and Information Gathering, Privacy and Security Issues, Tools and Utilities, Data Analytics, Data Engineering Session Chair: Dr Chandrani Singh
11:00-11:15	48: Interoperability Challenges Among Certification Authorities in Malaysia: An In-Depth Analysis <i>Mohd Alwi, A.H, RIDZUAN, Ali Pitchay, Ishak</i>
11:15-11:30	49: Identification of the Appropriate Value to Replace the Missing Value in Incomplete Triplet Extraction from Domain Text for Domain Knowledge <i>MOHD RAFEI HENG, Fuaad, BASIR, Mohd Zaizi, Mohd Saudi</i>
11:30-11:45	61: Application of Artificial Intelligence in Threat Detection and Malware Analysis <i>Chaudhari, Banswal, Landge</i>
11:45-12:00	63: Predicting share price of particular company listed at NSE, India by using

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	Convolutional Neural Network <i>Kaulwar, Kudale, Singh</i>
12:00-12:15	80: Usage of HR Analytics Tools Restoring Data Privacy in Data-Driven Organizations <i>Penkar, Bakshi</i>
12:15-12:30	31: Enhancing Smart Home Security: A Privacy Risk Analysis Framework <i>Yu, Carroll, Bentley</i>
12:30-13:00	Break
13:00-16:30	Session 6: Applications of Data Science and Cybersecurity Innovations in Industry 5.0 Technologies Session Chair: Dr M. Thangavel
13:00-13:15	8: Behavioral Biometrics - A Case Study of Digital Banking Security in Saudi Arabia <i>Elhag, Alharbi</i>
13:15-13:30	11: Reduce low-frequency distributed denial of service threats by combining deep and active learning <i>Shukla, Sharma, Sengar</i>
13:30-13:45	14: Security Perspectives in Integrity Verification for Shared Data in Cloud - A Survey <i>Pailkar, Murugan</i>
13:45-14:00	16: Enhancing Security Measures for the Kubernetes Control and Data Planes <i>LAWRENCE, Prakash, Hewage</i>
14:00-14:15	19: Privacy-Enhanced Distributed Machine Learning Against Poisoning Attacks <i>A T</i>
14:15-14:30	21: A Genetic-muted Leader Scheme with CNNbasedIDSfor industrial Internet of Things networks <i>MALA KONDA REDDY, A. Abdul Azeez Khan,, Javubar Sathick,, Arun Raj,</i>
14:30-14:45	Break
14:45-15:00	23: The Practical Approaches of Datasets in Machine Learning <i>Marimuthu</i>
15:00-15:15	38: Phishing as a Service attack detection based on URL parameters using language model in wireless network <i>Kumar, Khari</i>
15:15-15:30	44: A Comprehensive Review on Artificial Intelligence Applications in Communication Tools for Speech-Impaired Individuals <i>EVANGELINE, D</i>
15:30-15:45	47: Cyber resilience against advanced persistent threat using multi agent AI in I-loT <i>Diana</i>
15:45-16:00	66: Mode change of Mobile device in Motion through Context aware <i>Mishra, Singh, Kaulwar, Patil</i>
16:00-16:15	53: Challenges of Cyber Risk Management in Multinational Operations and Missions <i>Hutson, Damaj, Hewage, Platts</i>
16:15	Closing remarks - Dr Mohammad Haseeb Zafar (Organising Chair) 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://tinyurl.com/55mjp8aj> OR https://teams.microsoft.com/j/zoom-join/19%3ameeting_MjMyZmFjY2UtZmI1ZS00MjlhLWlxMmEtODhhZjA5NGQyMTUx%40thread.v2/0?context=%7b%22id%22%3a%22189dc61c-769b-4048-8b0f-6de074bba26c%22%2c%22oid%22%3a%222d87a422-2b68-411f-b922-a3da2c3711d3%22%7d