

Cyber Science 2022 Conference Timetable

June 20-21, 2022 | Cardiff Metropolitan University

Theme – **Ethical and Responsible use of Artificial Intelligence (AI)**

Monday June 20, 2022, | UK Time zone: **GMT+1**

Time	Description	
09:00-09:30	Coffee & Tea	
09:30-10:00	Conference Announcements, and Opening of the Proceedings	
10:00 -11:00	<p>Professor William (Bill) J Buchanan OBE Keynote Speaker Professor, School of Computing Edinburgh Napier University, Scotland</p>	
	Day 1 / Session 1: Host & Moderator: TBC	Day 1 / Session 2: Host & Moderator: TBC
11:15 - 11:45	<p>Robert Sherry, Ethan Bayne and David McLuskie. <i>Near-ultrasonic covert channels using software-defined radio techniques</i></p>	<p>Sachet Rajat Kumar Patil, Neil John, Poorvi Sameep Kunja, Anushka Dwivedi, Suganthi S and Prasad B Honnavalli. <i>Hardening Containers with Static and Dynamic Analysis</i></p>
11:45 - 12:15	<p>Aunshul Rege and Rachel Bleiman. <i>A Free and Community-driven Critical Infrastructure Ransomware Dataset</i></p>	<p>Clet Boudehenn, Ramla Abdelkader, Jean-Christophe Cexus, Maxence Lannuzel, Olivier Jacq, David Brosset and Abdel Boudra. <i>Holistic Approach of Integrated Navigation Equipment for Cybersecurity at Sea</i></p>
12:15 - 13:30	Lunch	
13:30 - 14:00	<p>Arnstein Vestad and Bian Yang. <i>Municipal cybersecurity - a neglected research area? A survey of current research</i></p>	<p>Arman Zand and Eckhard Pfluegel. <i>Efficient Cyber-Evidence Sharing using Zero-Knowledge Proofs</i></p>
14:15 - 14:45	<p>Youngjin Shin. <i>A Study on the Development of Crisis Management Compliance by Personal Information Infringement Factors in Artificial Intelligence Service</i></p>	<p>Anjuli Shere, Jason Nurse and Andrew Martin. <i>Threats to journalists from the consumer Internet of Things</i></p>
14:45-15:00	Coffee & Tea	
15:00 -16:00	<p>Dr Maria Bada Keynote Speaker Lecturer in Psychology, Queen Marry University, London, UK</p>	
16:15 - 16:45	<p>Joel Pinney and Fiona Carroll. <i>Uncertainty and Risk: Investigating line graph aesthetic for enhanced cyber security awareness</i></p>	<p>Georgios Potamos, Savvas Theodoulou, Eliana Stavrou and Stavros Stavrou. <i>Building Maritime Cybersecurity Capacity Against Ransomware Attacks</i></p>
16:45 - 17:15	<p>Richard Wheeler and Fiona Carroll. <i>An Explainable AI Solution: Using Extended Reality Making AI More Transparent and Trustworthy</i></p>	<p>Sean Mckeown and Alan Paice. <i>Practical Cyber Threat Intelligence in the UK Energy Sector</i></p>
17:15 - 17:30	<p>Joseph Kaberuka and Johnson Christopher. <i>Case Studies in the Socio-Technical Analysis of Cyber Security Incidents: Comparing Attacks on the UK NHS and Irish Healthcare Systems</i></p>	<p>Gonzalo Faura, Cezary Siewierski and Irina Tal. <i>A user-centric evaluation of smart contract analysis tools in Decentralised Finance (DeFi)</i></p>
18:00 - 21:00	Evening Dinner & Drinks	

Tuesday June 21, 2022

Theme – **Ethical and Responsible use of Artificial Intelligence (AI)**

UK Time zone: **GMT+1**

Cyber Science 2022 Conference	
09:00 – 09:15	Coffee & Tea
09:15 – 10:00	John Davies, MBE Keynote Speaker Co-founder & Chair of Cyber Wales, UK
10:15 – 10:45	Day 2 / Session 3: Host & Moderator: TBC
	Day 2 / Session 4: Host & Moderator: TBC
10:15 – 10:45	Andrea Skytterholm and Guro Hotvedt. <i>Criteria for Realistic and Expedient Scenarios for Tabletop Exercises on Cyber Attacks Against Industrial Control Systems in the Petroleum Industry</i>
10:45 – 11:15	Celestine Ugwu, Modesta Ezema, Uchenna Ome, Lizzy Ofusori, Comfort Olebara and Elochukwu Ukwandu. <i>A Study on the Impact of Gender, Employment Status and Academic discipline on Cyber Hygiene: A case study of University of Nigeria, Nsukka</i>
10:45 – 11:15	Andrea Skytterholm and Martin Gilje Jaatun. <i>Exploring the Need for a CERT for the Norwegian Construction Sector</i>
11:30 – 12:00	Robert Murimi, Sandra Blanke and Renita Murimi. <i>A Decade of Development of Mental Models in Cybersecurity and Lessons for the Future</i>
11:30 – 12:00	Paula Contreras. <i>The Transnational Dimension of Cyber Security: The NIS Directive and its Jurisdictional Challenges</i>
12:00 – 13:00	Lunch
13:00 – 13:30	Sandra Schmitz. <i>Refining the Mandatory Cybersecurity Incident Reporting under the NIS Directive 2.0: Event Types and Reporting Processes</i>
13:00 – 13:30	Aniket Agrawal, Kamalakanta Sethi and Padmalochan Bera. <i>Blockchain based Cardinal e-Voting System using Biometrics, Watermarked QR code and Partial Homomorphic encryption</i>
13:30 – 14:00	Elochukwu Ukwandu, Ephraim Okafor, Charles Ikerionwu, Comfort Olebara and Celestine Ugwu. <i>Assessing Cyber Security Readiness of Nigeria to Industry 4.0</i>
13:30 – 14:00	Sneha Damle. <i>Securing multi party AI computation using Conclave – a confidential computing platform</i>
14:15 – 14:45	Cimone Wright-Hamor, Steffanie Bisinger, Jeffrey Neel, Benjamin Blakely and Nathaniel Evans. <i>A preventative Moving Target Defense solution for web servers using iptables</i>
14:15 – 14:45	Rachel Bleiman, Jamie Williams, Aunshul Rege and Katorah Williams. <i>Exploring the MITRE ATT&CK® Matrix in SE Education</i>
14:45 – 15:00	Coffee & Tea
15:00 – 16:00	Navrina Singh Keynote Speaker Founder & CEO Credo AI, USA
16:05	Closing of the Proceedings by Dr Cyril Onwubiko

Legend

In-person	Online	Industry Keynote	Academic Keynote	Lunch & Dinner /Drinks
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