A joint event between

Cambridge Wireless & The Advanced Computing Research Centre, ARU

'Trustworthy AI: From Principles to Critical Applications'

9 June 2026

Venue: LAB002, Lord Ashcroft Building, Anglia Ruskin University, East Road, Cambridge, CB1 1PT

Agenda

10:30	Registration over Refreshments
11:00	**Welcome from Anglia Ruskin University (ARU)** **Prof Laurie T Butler, Pro Vice Chancellor and Dean of the Faculty of Science & Engineering, ARU**
Session 1: Chaired by Dr Erika Sanchez-Velazquez, ARU	
11:10	**Operationalize Trustworthy AI Practice** **Prof Shareeful Islam, Professor of Cyber Security, ARU** Artificial Intelligence (AI) has become the essential backbone for numerous industries due to the capability for processing massive volumes of data for informed decision making. While high accuracy is vital, but it lacks value without transparency; reliable and explainable decision making and resilience against attacks. This talk introduces a Trustworthy AI (T-AI) pipeline and demonstrates its real-world application through the results of two EU-funded projects.
11:30	**When the Agent Gets It Wrong - Who's Accountable?** **Linda Oraegbunam, UK Civil Service** AI agents are moving from prototype to procurement, but when something goes wrong, who is accountable? Drawing on hands-on experience building open-source governance infrastructure, this talk provides decision-makers with a practical framework for setting agent authority boundaries, creating cryptographically verifiable audit trails, and explaining why organisations that build accountability into their agent infrastructure today will survive regulatory scrutiny tomorrow.
11:50	**Adversarial AI in the Wild: Building Resilient Multi-Agent Systems for Cyber Defence & Critical Infrastructure** **Felicia Omoediale-Samuel, Senior Cyber Security Risk Manager, Sky** AI systems are rapidly becoming part of cyber defence and critical infrastructure operations, creating new security and governance challenges. This session explores how adversarial behaviours emerge within autonomous multi agent ecosystems and examines the practical controls, resilience strategies, and oversight mechanisms needed to build trustworthy AI in high-risk environments.
12:10	**Launch of The Advanced Computing Research Centre, ARU** **Prof Silvia Cirstea, Director of ACRC, ARU & Prof Yonghong Peng, Deputy Dean, Faculty of Science & Engineering, ARU**
12:30	**Networking Lunch over Research Poster Session** **Optional Lab Tours**
Session 2: Chaired by Name, Prof Silvia Cirstea, Director of ACRC, ARU	
13:30	**Welcome from Cambridge Wireless** **Lindsay Bliss, Membership Success Manager, Cambridge Wireless**
13:40	**Towards Structured Decision Systems with Agentic AI** **Prof. Khaled Benkrid, Founder & Managing Director, Synthaize Ltd and Visiting Professor, ARU** This talk will introduce a framework for AI-leveraged decision systems under extreme uncertainty.
14:00	**Q&A**
14:05	**Cybernetics and AI: What Do We Mean by "Responsible"?** **Prof Deeph Chana, Imperial College London** We talk constantly of "responsible" AI — but have we agreed what the word means? From the origins of cybernetics to today's intelligent machines, this talk asks where our familiar notions of responsibility are quietly coming apart, and why, for research centres like the ACRC, defining the term can no longer be separated from the science itself.
14:25	**AI and Ethics: From Safety to Responsibility** **Dr Catherine Menon, Principal Lecturer in AI Ethics, University of Hertfordshire**

14:45	**Refreshment Break**
Session 3: Chaired by Dr Bob Oates, Associate Director, Cambridge Consultants & Cambridge Wireless SIG Champion	
15:05	**From Policy to Proof: A Practitioner's Framework for Trustworthy AI** **Pauline Harrison, Founder of KernEthik and AI Governance Professional** AI governance frameworks are easy to write and almost impossible to make work. The gap between published principles and operational practice is where regulatory exposure lives. Drawing on 25 years as a tester, hands-on delivery in a FTSE-250 organisation, and independent audit experience, this session addresses who in your organisation actually owns AI governance, how to structure organisation-wide AI governance so that accountability is clear, and a human-led testing methodology that produces clean evidence for compliance and certification purposes across healthcare, critical infrastructure and cyber defence.
15:25	**Q&A**
15:30	**AI for Medication Safety: Detecting High-Risk Polypharmacy at Population Scale** **Dr Alireza Ettefaghian, Centre of Expertise Health Innovation, The Hague University of Applied Science** Polypharmacy and anticholinergic burden are leading, preventable causes of avoidable harm in primary care, yet identifying the patients most at risk across a large population remains a manual, time-intensive task. This talk presents a decision-support tool — now deployed across an NHS primary-care provider — that applies unsupervised machine learning to surface high-risk patients for clinician-led medication review, illustrating how AI can be embedded responsibly into critical healthcare workflows.
15:50	**Identification, Diagnosis & Treatment of Rare Diseases, Assisted by AI** **Toby Wilson Waterworth, Chair and Chief Executive, Ambrose Healthcare** From electronic health records to drug development, this presentation explores how trustworthy AI can help solve some of the biggest challenges in rare diseases by accelerating diagnosis, improving patient management, and enabling faster access to treatment.
16:10	**Panel Session with Speakers** **Chaired by Dr Bob Oates, Associate Director, Cambridge Consultants** & Cambridge Wireless SIG Champion
16:35	**Concluding Remarks** **Dr Bob Oates, Associate Director, Cambridge Consultants** & Cambridge Wireless SIG Champion
16:40	**Event Close**

With the permission of the speakers, presentations will be available following the event

Profile of Organisers

This event has been organised by a collaboration between the CW The Security, Privacy, Identity & Trust Special Interest Group, and faculty from The Advanced Computing Research Centre, ARU.

Cambridge Wireless (CW) www.cambridgewireless.co.uk
CW is a global not-for-profit membership organisation at the forefront of innovation in connectivity and digital technology. Since 2000, CW has united industry leaders across connected devices, networks, software, data analytics, telecoms, satellites, and more. CW exists to champion and connect the global connectivity and digital technology community. We bring our members together to foster innovation, enable collaboration, and provide opportunities for continuous learning and professional growth. From flagship conferences and Special Interest Groups (SIGs) to networking events, strategic innovation projects, and skills development, our programmes create valuable opportunities for members. With headquarters at the heart of Cambridge, UK, CW partners with other international industry clusters and organisations to extend its reach and remain at the forefront of global developments and business opportunities.

The CW Security, Privacy, Identity & Trust Special Interest Group (SIG) is dedicated to exploring the latest advancements and challenges in these critical areas. Further information can be found here. The group is championed by:

- **Kunle Anjorin, Director Consulting Expert, Cyber Security, CGI in the UK & Australia**
- **Rupert Davey, Managing Director, ctm Information Technology**
- **Zahid Ghadialy, Principal Analyst & Consultant, 3G4G**
- **Dr Bob Oates, Associate Director, Cambridge Consultants**
- **Dr Raj Mani Shukla, Senior Lecturer, School of Computing and Information Science, ARU**
- **Dr Erika Sanchez -Velazquez PhD, MSc, BSc, Deputy Head of School (Information Science & Security), Cisco Networking Academy Lead, ARU**

Anglia Ruskin University (ARU) - **www.aru.ac.uk**
ARU is an innovative global university with students from 185 countries coming to study with us. Our community is incredibly important to us, and we're proud of the role we play in our cities and the wider region – including the positive effect on jobs and the local economy. Students, businesses, and partners benefit from outstanding facilities, which include our Science Centre in Cambridge and the School of Medicine in Chelmsford. Many of our facilities, activities and events are open to the wider community.

The new **Advanced Computing Research Centre**, drives interdisciplinary, industry - engaged research in AI, cyber security and edge computing. It builds sustained collaborations with stakeholders, supporting knowledge exchange and industry upskilling, and delivering real -world impact in healthcare, sustainability, security and autonomous systems. Contact: acrc@aru.ac.uk

- **Prof Marcian Cirstea, Professor and Head of School of Computing and Information Science, ARU**
- **Prof Silvia Cirstea, Professor of Computational Modelling, Direct of the Advanced Computing Research Centre, ARU.**

Profile of Speakers

Prof Shareeful Islam, **Professor of Cyber Security, ARU - www.aru.ac.uk**
Dr Shareeful Islam is a Professor of Cybersecurity, Faculty of Science and Engineering, Anglia Ruskin University (ARU). He currently holds a visiting professorship LUT School of Engineering Sciences, Lappeenranta, Finland. With over 22 years of experience, he has recently secured £800k in national and EU funding. He has authored more than 115 papers in top tier journals and conferences with successfully supervised to timely completion 13 PhD and MPhils. His research expertise spans cybersecurity risk management, trustworthy AI, AI-enabled cyber security and regulatory compliance.

Linda Oraegbunam, Civil Service
Linda Oraegbunam is a machine learning engineer and AI governance researcher with years of experience spanning data analytics, artificial intelligence, and machine learning across the UK Civil Service and regulated commercial sectors. Her work sits at the intersection of technical delivery and institutional accountability, combining the development of production AI systems with research into the governance frameworks required to deploy them responsibly. She is the creator of a growing suite of open-source tools that form an agentic AI governance toolkit published on PyPI, and her research focuses on the relationship between agentic AI systems and organisational accountability. Linda holds an MSc in Applied Artificial Intelligence and Data Analytics from the University of Bradford and is a Fellow of the Royal Statistical Society. Linda currently serves as a reviewer for the DLI Research in Africa Days (RIAD 2026) programme and is a doctoral researcher in development focused on agentic AI governance at Leeds Beckett University. She is also the founder of AI with Linda, a public platform dedicated to making artificial intelligence practical, accessible, and relevant across industries. Through her speaking and research, Linda explores the governance responsibilities organisations must adopt as autonomous and agentic systems move from experimentation into real-world deployment.

Felicia Omoediale-Samuel, Senior Cyber Security Risk Manager, Sky
Felicia Omoediale-Samuel is an internationally recognised cybersecurity and AI governance leader operating across Africa, Europe, North America and Asia. With more than two decades of experience, she advises organisations on integrating security into AI systems, strengthening enterprise cyber risk frameworks, and governing emerging technologies with executive-level discipline. A researcher–practitioner, she is pursuing a Professional Doctorate at Anglia Ruskin University, focusing on lifecycle-aware AI security and enterprise risk models for toolinvoking agentic systems. Her work bridges academic research and operational implementation, translating complex AI risk into structured governance controls. Her career spans senior roles across public and private sectors, including the Department for Work and Pensions, Next, FedEx and Sky. She is known for aligning cyber investment to business value and embedding risk visibility into AI-enabled transformation. Felicia serves as a Non-Executive Director at Sycom Integrated Solutions and contributes to higher education as an Industry Advisory Board member at the University of Essex and visiting lecturer across UK institutions. She writes for The Executive Magazine and is a member of the ForbesBLK and ForbesWoman communities. Alongside her executive work, she is a committed advocate for early-career professionals, women and young people entering cybersecurity and AI. She mentors emerging leaders, champions cognitive diversity, and promotes structured pathways into secure technology careers. Felicia holds an MSc in Software and Systems Security from the University of Oxford and a BSc in Industrial Mathematics from the University of Benin. She speaks globally on secure AI adoption and the governance responsibilities shaping the future of digital systems.

Prof. Khaled Benkrid, Synthaize Ltd, Founder & Managing Director - ARU, Visiting Professor
Prof. Khaled Benkrid is Managing Director of Synthaize Ltd, an agentic AI startup he recently founded to support human decision making under extreme uncertainty. He is also Visiting Professor in Computer Science at Anglia Ruskin University, Cambridge. Before setting up Synthaize, Prof. Benkrid was Senior Director of Education and Research at Arm Ltd for 13 years where he was responsible for directing the overall operations of a cross-cultural team of 20+ professionals from Cambridge, UK, China, India, and the USA with the focus of addressing the gap between computer engineering education & research and actual market practices. The programmes he set up at Arm enabled hundreds of thousands of students, academics, and engineers worldwide to learn and innovate with state-of-the-art technologies from the Arm ecosystem. Prior to joining Arm, Prof. Benkrid spent 13 years in Academia, as Assistant Professor in Computer Science at Queen's University Belfast, and then Associate Professor in Electronic Engineering at the University of

Edinburgh. His research interests spanned software-hardware co-design, electronic design automation, and efficient embedded and high-performance computing.

Prof Deeph Chana, Professor of Practice, Business School, Imperial College London- https://profiles.imperial.ac.uk/d.chana
Deeph has extensive experience of working on world leading STEM in academia, industry and government. He is Professor of Practice within Imperial's Business School, Co-Director of the Institute for Security Science Technology and is co-founder of the UK-Goverment funded Research Institute in Trustworthy Industrial Control Systems and Imperial's FinTech Network of Excellence. He is the founder of a STEM consultancy specialising in enterprise technology and critical-infrastructure applications and has been involved in numerous successful commercial technology projects in the private sector. Deeph has worked on a broad range of applied and theoretical research topics including, inverse problems, image processing, optical data storage, antenna design, diabetic retinopathy, computational modelling of space debris, explosives detection, crowd analysis and machine learning for cyber-security. Deeph previously worked as a senior science and technology official within the UK Government: leading international STEM diplomacy initiatives; directing and funding national security research programmes; and setting national technology policy, standards and regulation. He has delivered advice to four Secretaries of State and served as chairman on numerous high-profile national and international technology working groups. He has established national and international research calls in science and technology and has acted as a board member and bid reviewer for programmes in the Home Office, the US Department of Homeland Security and the EU's Framework Programme for Research Deeph Chana.

Dr Catherine Menon, **Principal Lecturer in AI Ethics, University of Hertfordshire - www.herts.ac.uk**
Dr Catherine Menon is a Principal Lecturer at the University of Hertfordshire, with research interests in the ethics and safety of AI and autonomous systems. Her work examines the intersection between ethics, safety and trust in public-facing technologies, particularly where these impact marginalised groups. She has worked in industry across both the nuclear and defence sector and is a member of the BSI AMT/10 and AMT/10/1 Committees on robotics and robot ethics. She also has an interest in the role played by creativity in constructing assurance arguments, and in the ways in which creative thinking can help mitigate ethical and safety hazards.

Pauline Harrison: Founder of KernEthik and AI Governance Professional
Pauline is an influential AI governance and digital assurance leader with 25 years of delivery experience, operating at the intersection of regulatory compliance, technical assurance and organisational change. One of a small number of practitioners in the UK holding concurrent ForHumanity Fellowship, IAPP AIGP and FIAAIS credentials, Pauline has hands-on delivery across five simultaneous governance frameworks spanning UK, EU and US jurisdictions. An invited member of BSI ART/1, Pauline contributes to ISO/IEC SC 42 JWG 2 and CEN/CENELEC JTC 21 WG 4 in response to the EU AI Act. This standards work sits alongside a Professional Doctorate in progress: *Beyond Process Conformance: Developing a Practitioner Framework for Technical Assurance of High-Risk AI Systems under the EU AI Act*, which addresses the methodology gap that ISO/IEC 42001, 42005, 42006 and NIST TEVV leave open and is currently being presented to the ISO AI testing committee with a view to informing international standards. Career highlights span senior roles at Sky, Planit Testing and SThree, where Pauline has built enterprise AI governance programmes, created compliance toolkits for large regulated financial services clients, and designed AI Impact Assessments to ISO/IEC 42005 standard. Clients have included the Ministry of Justice, the Bank of England, ARM Technology and Costa Coffee. As Founder of KernEthik Consulting, Pauline advises both SMEs and large organisations on responsible AI adoption aligned with the EU AI Act, GDPR and ISO/IEC 42001, preparing organisations for audits, certifications and buyer scrutiny. A ForHumanity Fellow contributing to the development of independent AI audit frameworks as ForHumanity pursues formal accreditation as a designated EU AI Act auditing body, Pauline is also a committed advocate for AI literacy and ethical leadership. Pauline holds a Certificate of Higher Education in both the Governance and Ethics of AI from the University of Oxford and a BSc in Information Science, and speaks on technical assurance, high-risk AI systems and the governance responsibilities that responsible deployment demands.

Dr Alireza Ettefaghian, Centre of Expertise Health Innovation (The Hague University of Applied Science)
At Centre of Expertise Health Innovation, Alireza contributes to EU-funded research proposals applying digital therapeutics and wearables to the public health domain. His current work advances digital health solutions and AI within population health management.
He draws on more than ten years of senior data and analytics leadership roles across the UK's academic, private, and public healthcare sectors. He also brings an entrepreneurial background, having created an award-winning population health analytics platform deployed in the primary care segment. He successfully delivered two innovative projects funded by Innovate UK through Knowledge Transfer Partnerships, both awarded Certificates of Excellence and Outstanding Achievement.
He holds a PhD in Computer Science (2015), a Six Sigma Black Belt certification, and an Executive MBA with Distinction (2018). He is currently pursuing an MPH in Global Health (2026) at King's College London — all earned on full scholarships.

Toby Wilson Waterworth, Chair and Chief Executive, Ambrose Healthcare - www.ambrosehc.com
Toby Wilson Waterworth is an internationally versatile life science entrepreneur, senior executive, and Board member, who over 30 years has founded and developed companies, raising £200m, and delivering £1bn in shareholder value. In 2017 he was made a Fellow of the Institute of Chartered Accountants of England and Wales, and the Royal Society of Medicine.