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Emerging technologies: Discerning reality from myth for AI, Quantum & OT

In association with



Technology, like time, waits for no one. The rate of innovation is only matched by the speed of its adoption. ChatGPT attracted more than 100 million users in less than 50 days, a staggering acceleration in our willingness to embrace the novel. However, technology is often delivered without consideration of impact, particularly on an organisation's ability to remain resilient. We are too often magpies attracted to the next shiny object, driven by fear of missing out, not considering the cost and implications of early adoption. But with all our focus on the new, it's easy to forget about the old vulnerabilities that continue to plague us.

We are delighted to host this event with Zurich Insurance to consider generative AI and its implications for the threat landscape; the advance of smart devices augmenting legacy technology in some of the most sensitive parts of the supply chain, and how this affects vulnerability; as well as what quantum computing means for the security of systems, and whether Q-Day is nearer than we think.

All SASIG events operate under Chatham House Rule, and there is no charge to attend. Lunch and refreshments for the day are kindly provided by our hosts.

Tuesday 9 July 2024
9.30am to 3pm
City of London

Chair

Tarquin Folliss OBE Vice Chairman, The SASIG

9.30am **Registration, coffee, and networking**

10am **Welcome and introductions**

Tarquin Folliss OBE Vice Chairman, The SASIG

Kumu Kumar Head of Zurich Resilience Solutions UK, Zurich Resilience Solutions

10.15am **Keynote presentation: From innovation to infiltration - the dual faces of quantum, AI, and the rise of operational technology**

Arun Banerjee Cyber Risk Consulting Lead, Zurich Resilience Solutions

Organisations face unprecedented opportunities and risks in the rapidly evolving landscape of Quantum Computing, Artificial Intelligence (AI), and the ascent of Operational Technology (OT). Our keynote will delve into this new era of technological breakthroughs, highlighting the transformative impacts and the emerging vulnerabilities these technologies introduce. We will discuss how these innovations, while driving operational efficiencies and opening new markets, also require a new paradigm in risk management. This session is essential for anyone looking to harness these advanced technologies while effectively managing and mitigating associated risks to maintain competitive advantage and operational integrity in a digital age.

10.45am **Panel session: Does an attacker need AI to penetrate your business?**

Facilitated by **Tarquin Folliss OBE** Vice Chairman, The SASIG

Florian Pouchet Head of Cybersecurity & Operational Resilience UK, Wavestone

Dr Runli Guo CEO and Founder, AI DIONIC

Ben Watson Senior Cyber Underwriter, Zurich Insurance

Sana Belguith Assistant Professor (Lecturer), University of Bristol

This panel session will delve into the strategies and tactics utilised by our adversaries, dissecting the role of AI as both a tool for defence and a potential threat multiplier. Our panellists will provide diverse perspectives, drawing from their expertise in cybersecurity, threat intelligence, and emerging technologies. From sophisticated AI-driven attacks to traditional methods with a modern twist, gain invaluable insights into the evolving nature of cyber threats. We'll also share actionable strategies to bolster your defences so you can stay one step ahead in the ongoing battle against cybercrime.

11.35am **Adapting to the cybersecurity revolution: Unleashing AI for effective defence**

Brett Taylor UKI SE Director, SentinelOne

As the digital landscape undergoes a seismic transformation, navigating the complexities of the evolving cybersecurity terrain is becoming increasingly difficult. So, how do you adapt to the cybersecurity revolution unfolding in front of us? Brett will explore the indispensable role of artificial intelligence in contemporary defence strategies and why organisations must embrace AI as a linchpin for fortifying their security posture.

12.05pm **Tea, coffee, and networking break**

12.35pm **Panel session: IoT is everywhere, but is it secure?**

Facilitated by **Andrew Insley** Information Security Lead, Zurich Insurance
Professor John Goodacre Director Digital Security by Design, Professor University of Manchester, UKRI
Haydn Brooks CEO, Risk Ledger
John Chapman Cybersecurity PhD Researcher, University of Bristol
Inspector Charlie Morrison Cyber Griffin, City of London Police

With IoT permeating every aspect of modern life, our panellists will explore the vulnerabilities inherent in this interconnected ecosystem. From smart homes to industrial systems, we'll examine the potential risks posed by unsecured devices and explore strategies to mitigate them. We'll also discuss the evolving landscape of IoT security standards, regulations, and best practices.

1.25pm **Fireside chat: Quantum for dummies**

Facilitated by **Tarquin Folliss OBE** Vice Chairman, The SASIG
Sheá Panayi Cyber and AI Risk Consultant, Zurich Resilience Solutions
Andy Clark Primary Key Associate and Visiting Professor in the Information Security Group, Royal Holloway (RHUL)

In this fireside chat, we will attempt to demystify the complexities of quantum mechanics and computing for enthusiasts of all backgrounds. We will break down the fundamental principles of quantum theory in an accessible manner, offering real-world examples and analogies to illustrate abstract concepts.

2pm **End of meeting and networking lunch**

About



The Security Awareness Special Interest Group (SASIG)

SASIG is a subscription-free networking forum, membership now represents thousands of organisations of all sizes from across the world and from all sectors, public and private. Its 10,100+ membership is drawn from CIOs, CISOs and their staff with responsibility for cybersecurity within their organisations. Professionals from other disciplines (risk, HR, legal, supply, etc.) and representatives from government, law enforcement and academia are also being increasingly welcomed at events. The Chatham House Rule is strictly enforced and universally respected at all meetings, and vendors and the Press are routinely excluded. Thus, the level of debate is extraordinarily revealing and rewarding.

SASIG has a members' website at www.thesasig.com. Please register here for membership.

With thanks to our Supporters...



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