Emerging technologies
Laying the foundations for the future

In association with

Emerging technologies continue to shape our world – both for good and, unfortunately, for bad. AI is emerging as the 'technology' that will either solve all our problems or lead to our extinction as a species. While AI dominates the emerging tech landscape, there is much more to consider. The growing adoption of sensors as part of the 'Internet of Things' presents new challenges, particularly around the convergence of OT and IT, as well as the ongoing risks posed by legacy technologies to businesses. Then there's quantum technology, advancing rapidly. We are all aware of the threat quantum poses to current encryption methods, but what other risks are associated with adopting quantum technology, and what new threats might it amplify or create?

Historically, we've developed and adopted new technologies without fully considering their security implications until later. But adding security as an afterthought is neither cost-effective nor efficient. Looking ahead and considering how we would like technology to evolve is essential, though not without its challenges. So, join us as we explore how we can influence norms in innovation, particularly with quantum technology, without resorting to overly conservative approaches that could stifle transformative advancements like AI. And, as always, let's not forget the policymakers, who face the difficult task of balancing ethics while maintaining technical parity with those less scrupulous.

All SASIG events operate under the Chatham House Rule, and there is no charge to attend. Our hosts will kindly provide lunch and refreshments.

Thursday 20 March 2025

9.30am to 4pm

City of London

Chair

Tarquin Folliss OBE Vice Chairman, The SASIG

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9.30am   **Registration, coffee, and networking**
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10am   **Welcome and introductions**
Tarquin Folliss OBE Vice Chairman, The SASIG
A senior representative from **Zurich Resilience Solutions**

10.15am   **Keynote fireside chat: Emerging technologies - balancing innovation, security, and resilience**
Neil Clarke UK Head of Cyber, Zurich Resilience Solutions
Adam McElroy Principal Architect and Chief Story Teller, Eclypses

The rapid rise of AI, the increasing integration of IoT in operational technology (OT), and the impending impact of quantum computing, are reshaping both the technological and security landscape. While these advancements hold transformative potential, they also introduce unprecedented risks – from AI-driven vulnerabilities to the quantum threat to encryption. In this session, Neil will explore how businesses can proactively address security challenges, foster responsible innovation, and build resilience in the face of these emerging threats.

10.45am   **Panel session: Quantum – norms of behaviour**
Facilitated by **Tarquin Folliss OBE** Vice Chairman, The SASIG
Sheá Panayi Principal - Cybersecurity Risk, M&S Digital & Technology
John Chapman Cybersecurity PhD Researcher, University of Bristol
Diego Rodriguez Mejias Quantum Policy Lead – Regulation, Standards & Multilateral, Office for Quantum, Department for Science, Innovation and Technology (DSIT)

Quantum technology is the next major innovation on the horizon, and its arrival may be closer than many previously anticipated. Like all transformative technologies, it presents both significant risks and immense opportunities. While its impact on current cryptographic methods is well-recognised, where else might it revolutionise the landscape? What potential downsides should we begin preparing for today? Staying ahead of the curve is crucial, especially when it comes to ensuring the responsible implementation of quantum technology. What norms of behaviour should we be establishing, and how can we ensure they are universally upheld?

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11.30am   **Tea, coffee, and networking break**
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12 noon   **Emerging tech trends of 2025 based on Wavestone's CISO radar**
Florian Pouchet Head of Cybersecurity and Operational Resilience UK, Wavestone

For over 10 years, Wavestone has annually updated its forecasting tool, the "CISO Radar," which covers key topics in cybersecurity and operational resilience. Developed through collaboration among managers and experts across their teams, the radar reflects both ongoing engagements and real-world developments observed throughout the year. Drawing on insights from the radar and Wavestone analyses, Florian will highlight three major areas expected to shape the coming years, as well as emerging topics to monitor in the year ahead.

12.30pm   **The human element: Strengthening security in the age of AI and IoT**
Alex Gardner Director of Product Marketing, HUMAN Security

Large Language Models (LLMs) have transformed how we interact with AI, enabling human-like conversation, text generation, and summarisation. Now, a new class of computer-using agents (CUAs) is advancing this further by autonomously performing tasks, making decisions, and interacting across multiple systems. Dubbed Agentic AI, this technology orchestrates complex workflows and adapts in real-time without continuous human oversight. Alex will explore the challenges and opportunities of Agentic AI, as well as how organisations can identify and manage AI-driven traffic and interactions.

1pm   **Actionable insights in combined IT and OT environments**
Niels Christiansen Presales Manager, Security Solutions Architect, Kudelski Security

Why is operational technology (OT) security in the spotlight right now? In this presentation, James will explore the key factors driving the increased focus on OT security, including the growing convergence of IT and OT, evolving cyber threats, and regulatory pressures. He will also examine valuable lessons learned from IT security and how they can be applied to build a robust OT cybersecurity programme. We will gain actionable insights on risk management, threat detection, and best practices for securing critical infrastructure in an increasingly interconnected world.

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1.30pm   **Networking lunch**
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2.15pm   **Securing and managing your unstructured data in M365**
Michael Deller Global M365 SME, Zurich

Microsoft M365 offers a wide range of collaboration tools that allow users to quickly create, store, and share content—from traditional Office documents to meeting recordings, Whiteboards, and Sway presentations. However, this can result in an uncontrolled proliferation of unstructured data, increasing the risks of oversharing and unauthorised data egress.

In this session, we will explore key M365 apps such as OneDrive, SharePoint, and Teams, discussing the controls available to manage data effectively. We will also share best practices for securing and managing the data lifecycle within these applications.

2.45pm   **Securing business success: Balancing emerging tech and security**
Arunava Banerjee Cyber Risk Consulting Lead, Zurich Resilience Solutions

Arunava will explore strategies for adopting emerging technologies while minimising risk, highlighting the need for robust cyber risk management in today's evolving tech landscape. He will share insights on leveraging data analytics for accurate cyber risk quantification, enabling informed decision-making to enhance security. Additionally, he will discuss the role of cyber insurance in supporting business resilience and success.

3.15pm   **Panel session: The AI Opportunities Action Plan – can we afford not to implement it?**
Facilitated by **Tarquin Folliss OBE** Vice Chairman, The SASIG
Dr Melanie Garson Associate Professor, University College London (UCL)
Rob Demain CEO, e2e-assure
Penny Jones Responsible AI Lead, Zurich Insurance

Matt Clifford's AI Opportunities Action Plan has been published, presenting an ambitious vision for positioning AI at the heart of the UK's growth strategy. As a tech entrepreneur and the Government's AI Opportunities Adviser, Clifford outlines bold recommendations with the potential for significant benefits. However, these proposals come with a high price tag and pose challenging choices for both government and society. With so much at stake, the key question is: Can we afford not to embrace this plan?
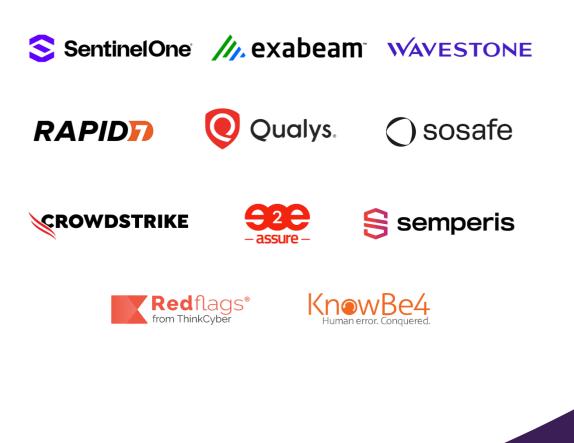
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4pm   **End of meeting**
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About

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 10,700+ 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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