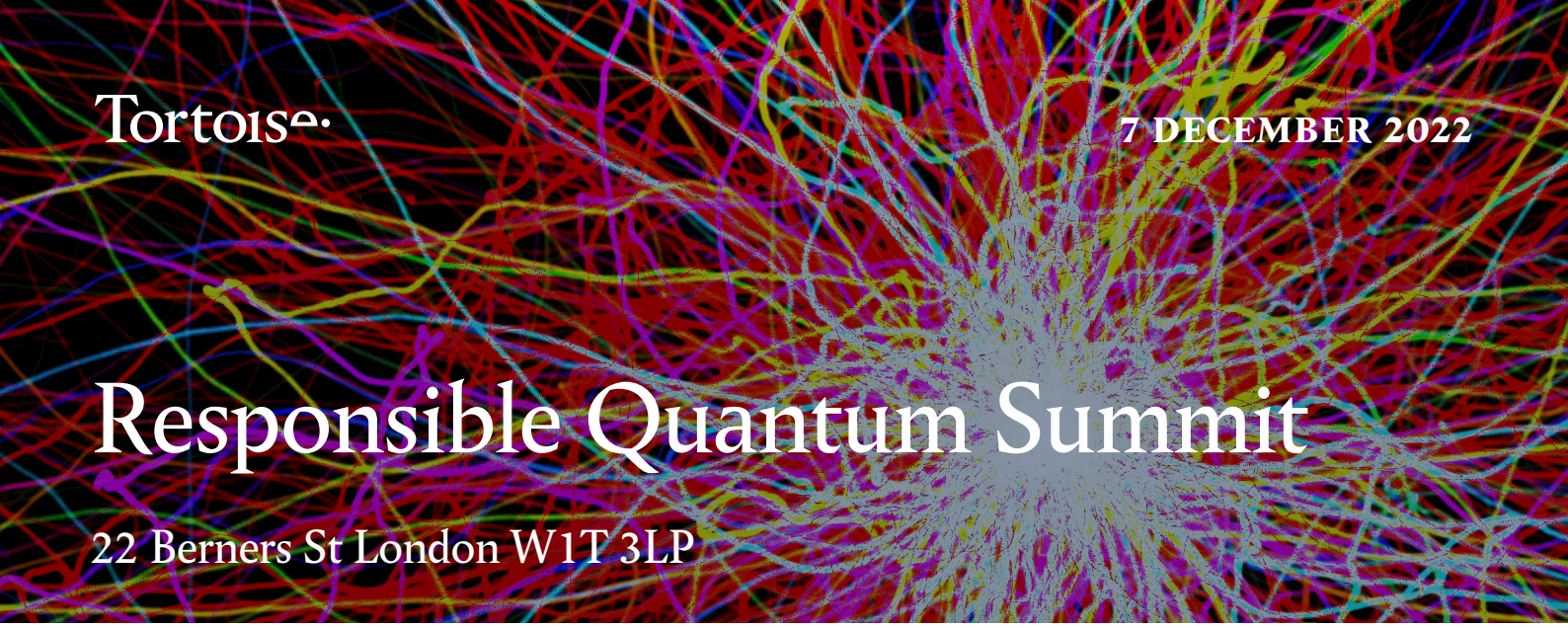

Tortoise

7 DECEMBER 2022

Responsible Quantum Summit

22 Berners St London W1T 3LP

Tortoise is a newsroom that prioritises responsibility, and our inaugural Responsible Quantum Summit will consider the gap between rhetoric and reality, and explore how the public, policy makers and the media should look at these new, powerful innovations.

We would be delighted if you could join us in person or virtually.

Indicative agenda | 7 December 2022

09.30–09.35

Welcome from James Harding

09.35–10.05

In conversation with: *Ilyas Khan, CEO of Quantinuum*

10.05–10.50

Shared language:

Can we establish a shared language around quantum technology? To understand how the industry is developing, a shared language, and a way to benchmark technologies against one another on common terms is necessary. What are the obstacles to this, and how can we understand the similarities and differences between forms of quantum computing?

*With: **John Morton**, CTO, Quantum Motion, **Erika Andersson**, Professor of Physics, Heriot-Watt University & **Simon Phillips**, CTO, OxfordQuantumCircuits*

10.50–11.20

Coffee break

11.20–12.05

National security:

What are the implications of advancements in quantum technology for the security?

*With: **Yixin Shen**, Information Security Group, Royal Holloway University of London, **Duncan Jones**, Head of Cybersecurity, Quantinuum & **Richard Murray**, Co-founder & CEO, ORCA Computing, Chair of UKQuantum, Co-chair of the IET Quantum Engineering Network*

12.05–12.50

The quantum economy:

What does the emergence of quantum mean for global markets? As both the private and public sectors mobilise to build and deploy quantum technologies, how will it shape the wider economy, and what factors are crucial to progress?

*With: **Rachel Youngman**, Deputy CEO, Institute of Physics, **Tom Hurd**, Founder, Zeki Services & **Chander Velu**, Professor of Innovation and Economics at Cambridge University*

12.50–13.20

Quantum supremacy:

What will it mean and when? To understand why the level of investment and interest in quantum computing is high, but the level of consensus around timelines is not. Does the milestone of "quantum supremacy" actually help us to understand the steady progress being made?

*With: **William Clements**, Head of Machine Learning, ORCA Computing*

For further information, please contact **luke.gbedemah@tortoisemedia.com**