

Agenda

Quantum-readiness for central banks and supervisors

12-13 February 2025 Basel, Switzerland

Day 1 - 12 Feb 2025 (08:15-17:10 CET)		
08:15-09:00	Registration and morning coffee	1st Floor
09:00-09:15	Welcome remarks and opening address	Andréa M Maechler, Deputy General Manager, BIS
09:15-09:45	Keynote: Navigating the Transition to a Quantum-Safe Financial World	Alessandra Perrazzelli, Deputy Governor, Banca d'Italia
09:45-10:00	Quantum-readiness roadmap for central banks	Raphael Auer, Head of Eurosystem Centre, BIS Innovation Hub
10:00-10:40	Strategic roadmaps for central bank quantum-readiness	Olivier Lantran, Head of Innovation Centre Le Lab, Banque de France Maryam Haghighi, Director of Enterprise Data Science and Insights, Bank of Canada
10:40-11:10	Break	1st Floor
	Quantum defence in depth for central banks	Cristina Andriani, Information Technology Manager, Banca d'Italia Pietro Tiberi, Information Technology Manager, Banca d'Italia
11:10-11:50	Exploration of quantum tech in the financial system	Max Grytz, Innovation Manager – quantum computing, Deutsche Bundesbank Vasileios Rentoumis, Innovation Manager – quantum computing, Deutsche Bundesbank
11:50-12:20	Panel Discussion: Sharing central bank first-hand experiences related to quantum-readiness	Cristina Andriani, Pietro Tiberi, Olivier Lantran, Max Grytz, Vasileios Rentoumis Moderator: Maryam Haghighi
12:20-13:20	Lunch	1st Floor
13:20-14:40	Quantum-safe solutions – Standards	Bill Newhouse, Cybersecurity engineer, NIST

Preparing migration to quantum-safe financial systems

Isabelle Noblesse, Head of Product Security Roadmap & Innovation, SWIFT

Why now? The case for cryptographic agility

Mike Silverman, Chief Strategy & Innovation Officer, FS-ISAC

Quantum computing and cryptographic risk: A strategic imperative for the financial system

Jaime Gómez García, Chair, Quantum Safe Financial Forum; Head of Quantum, Banco Santander

14:40-15:10	Break	1st Floor
15:10-15:40	Panel Discussion: Cooperation in the financial industry	Isabelle Noblesse, Mike Silverman, Bill Newhouse, Jaime Gómez García Moderator: Brian Ritchot, Head of Corporate Security & Cyber Resilience Coordination Centre, BIS
15:40-16:20	Regulatory approaches for quantum security	Fern Watson, Manager, Emerging Tech and Research, FCA Filipe Beato, Lead, Cyber Resilience, Center for Cybersecurity, WEF
16:20-16:40	Project Tourbillon: Quantum-safe cryptography for electronic cash	Mike Alonso, Adviser, BIS Innovation Hub Swiss Centre
16:40-17:10	Demystifying the quantum world	Christophe Laforge, Senior quantitative analyst, BIS
17:10-18:30	Apero	1st Floor

Day 2 - 13 Feb 2024 (08:15-16:40 CET)		
08:15-09:00	Arrival and morning coffee	1st Floor
09:00-09:10	Welcome to Day 2	Andras Valko, Deputy Head of Eurosystem Centre, BIS Innovation Hub
09:10-09:30	Quantum-readiness approach from People's Bank of China	Prof. Hong Xiang, Research Assistant, Chongqing University
09:30-09:50	Operational resilience and quantum computing from an FMI perspective	Klaus Loeber, Chair of the CCP Supervisory Committee at European Securities and Markets Authority
09:50-10:10	Kick-starting the quantum resilient journey	Ryan Chan, Chief Information Security Officer, HKMA
10:10-10:30	Project Leap: Quantum-proofing the financial system	Angela Dupont, Adviser, BIS Innovation Hub Eurosystem Centre
10:30-11:00	Break	1st Floor
11:00-11:20	Project FuSSE: Modernising financial market infrastructures	Baltazar Rodriguez, Head of Toronto Centre, BIS Innovation Hub
11:20-11:40	Quantum defence in HSBC: a holistic approach with Quantum Key Distribution networks	Alejandro Montblanch, Quantum communication and network lead, HSBC
11:40-12:00	Project Polaris: Secure and resilient future digital payment systems – Online and offline	William Zhang, Adviser, BIS Innovation Hub Nordic Centre
12:00-13:00	Lunch	1st Floor
Learning track		Technical Track
13:00-14:30	Learning session	Solution presentations
14:30-15:00	Break	1st Floor
15:00-16:30	Learning session (continued)	Solution presentations (continued)
16:30-16:40	Closing Remarks	Cecilia Skingsley, Head of BIS Innovation Hub
16:40	End of the conference	