Workshop

Building a quantum safe financial system: what role for authorities and for the private sector?

September 24 and 25, 2024

Venue: Bank of Italy, Rome, Centro convegni Carlo Azeglio Ciampi, Via Nazionale 190

September 24th

8.30 8.45	Registration
8.45 8.55	Introductory remarks by Luigi Federico Signorini (Senior Deputy Governor, Bank of Italy)
Session #1 8.55 9.35	Keynote speech: **The Quantum revolution: opportunities and challenges of the next generation's computers** - Juan Ignacio Cirac Sasturain (Professor, Max Planck Institute of Quantum Optics)
9.35 10.50	Panel discussion: **The Second Quantum revolution: opportunities and threats for the financial system** - Chair Elizabeth Thomas-Raynaud (Head of Emerging Digital Technologies Unit, OECD) Tanja Lange (Professor, U Eindhoven), Isabelle Noblesse (Head of Product Security Roadmap, Swift), Vasileios Rentoumis (Innovation Manager, Bundesbank), Marco Pistoia (Managing Director, Global Head of Applied Research, JPMorgan), Olivier Lantran (Head of Innovation Department, Banque de France), Jaime Gómez García (Chair of the SC, Quantum Safe Financial Forum)
Break 10.50 11.20	Coffee and light beverages
Session #2 11.20 11.35	Keynote speech: **Steering the transition to a Quantum-safe world – an internationally coordinated approach.** - Alessandra Perrazzelli (Deputy Governor, Bank of Italy)

11.35 12.40	Panel discussion: **Regulating the transition to a quantum safe financial industry** - Chair Duncan Mackinnon (Executive Director, Bank of England) Lily Chen (NIST fellow, NIST) *, Juhan Lepassaar (Executive Director, ENISA), Angela Dupont (Advisor, BIS), Maryam Haghighi (Director, Bank of Canada), Alberto Crippa (Cybersecurity Director, Intesa Sanpaolo), Elena Bucciol (Advisor, Bank of Italy)
12.40 13.50	Lunch

Session #3 13.50 15.10	Showcase: **Communication among central banks: three potential answers to the quantum threat**
Session #4 15.10 16.35	Panel discussion: **The global race of Quantum Computing: can we find common strategies?** - Chair Todd Conklin (Chief AI Officer, US Treasury) Alessandro Casale (Head of Division, National Cybersecurity Agency), Luigi Martino (Professor, U Bologna), Roman Kovalenko (Director, Reserve Bank of Australia) *, Remy Faures (Information Security Manager, World Bank Group), Gustav Kalbe (Acting Director of CNECT C "Digital Excellence and Science Infrastructure", European Commission)
16.35 16.45	Closing remarks by Hisham El-Bihbety (Chief Information Security Officer, Bank of Canada) *

September 25th

Session #5 9.45 10.50	Panel discussion: **The technology disrupting race towards the quantum computer: is there a winner looming**? - Chair Simone Montangero (Professor, U Padua) Daniele Ottaviani (Head of Quantum Computing lab, Cineca), Tommaso Macrì (Senior scientist, QuEra), Araceli Venegas-Gomez (Founder, QURECA), Martin Leib (Head of Algorithms Division, IQM Quantum Computers), Federico Mattei (Innovation Manager, IBM), Marina Natalucci (Research Director of the Quantum Computing & Communication Observatory, Politecnico di Milano)
Break 10.50 11.20	Coffee and light beverages

Session #6 11.20 12.30	Panel discussion: **Quantum cyber experts in the limelight: costs and perspectives for the right migration avenue -** Chair Stephen Curren (Director, Federal Reserve Board) Hoi-Kwong Lo (Professor, U Toronto), Alessandro Amadori (Cryptographer, TNO), Michele Mosca (Professor, U Waterloo, IQC), Jean-Charles Faugère (Founder, CryptoNext Security), Fabien Adouani (Vice President, Quantum Xchange), Tommaso Occhipinti (Chief Executive Officer, QTI)

* From remote