Asia Society Japan

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OIST Quantum/Cyber Security Initiative

The Science, the Opportunities, and the Real-World Challenges

Co-hosted by Asia Society Japan Center & OIST

Speaker
Dr. Artur Ekert
University of Oxford
Centre for Quantum Technologies
Professor

Okinawa Institute of Science and Technology
Graduate University
Adjunct Professor

Introduction to Quantum Technology & its Impact on Information Security

Speaker
Dr. Christopher Monroe
Duke University
University of Maryland
Professor

Experimental Progress in Building Quantum Computers – Will they be here anytime soon to threaten classical methods of encryption?

Speaker
Dr. Michele Mosca
Institute of Quantum Computing, University of Waterloo
Co-Founder and Professor

Can we afford to wait OR should we be actively looking for solutions to protect the integrity of the existing cryptosystems?

Chair
Dr. Peter Gruss
Okinawa Institute of Science and Technology
Graduate University
President & CEO

MC
Dr. Kae Nemoto
National Institute of Informatics
Professor

MC
Mr. Jesper Koll
Senior Advisor of Wisdom Tree
OIST BOG member
Founding Member & Head of Policy Committee, Asia Society Japan Center

2021 Tue, June 1

Zoom Webinar

8:20AM - 11:30AM (JST)

Free Admission **Register Now!**

https://groups.oist.jp/quantum-future

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＊All presentations will be given in English

Contact **OIST Tokyo Office** ✉ tokyo-office@oist.jp **Asia Society Japan Center** ✉ info.japan@asiasociety.org

OIST Quantum/Cyber Security Initiative

"The Science, the Opportunities, and the Real-World Challenges"

Tuesday, June 1, 2021

8:00-8:20 a.m.	Breakfast (onsite only)
8:20-8:30 a.m.	Opening Remarks by Dr. Peter Gruss President, Okinawa Institute of Science and Technology Graduate University (OIST)
8:30-8:45 a.m.	Introduction by Dr. Kae Nemoto, Professor, National Institute of Informatics & Mr. Jesper Koll, Senior Advisor, Wisdom Tree
8:45-9:15 a.m.	Dr. Artur Ekert Professor, University of Oxford & Center for Quantum Technology *Introduction to Quantum Technology and its Impact on Information Security*
9:15-9:30 a.m.	Q&A
9:30-10:00 a.m.	Dr. Christopher Monroe Professor, Duke University & University of Maryland *Experimental Progress in Building Quantum Computers - Will they be here any time soon to threaten classical methods of encryption? -*
10:00-10:15 a.m.	Q&A
10:15-10:30 a.m.	Coffee break
10:30-11:00 a.m.	Dr. Michele Mosca Co-Founder & Professor, Institute of Quantum Computing, Univ. of Waterloo *Can We Afford to Wait or Should We be Actively Looking for Solutions to Protect the Integrity of the Existing Cryptosystems?*
11:00-11:15 a.m.	Q&A
11:15-11:30 a.m.	Closing Remarks by Dr. Kae Nemoto & Mr. Jesper Koll