

QCRYPT 2016 SCHEDULE OVERVIEW

Note: Schedule changes on Thursday morning and Friday afternoon are shown in red



	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9 AM	Tutorial: Device-Independent Random Number Generators	(At 9:20) Invited Talk: How to Verify a Quantum Computation	Tutorial: Challenges to Physical Security of Today's Quantum Technologies	Special Session: Loophole-Free Bell Tests. Ronald Hanson, Krister Shalm	Tutorial: Lattices, Rings, and Cryptography: Theory and Practice
10 AM	(until 10:20)	Quantum homomorphic encryption for polynomial-sized circuits	(until 10:20)	Coffee Break	(until 10:20)
10:20 AM	Coffee Break	Coffee Break	Coffee Break	Special Session: Loophole-Free Bell Tests. Marissa Giustina, Harald Weinfurter	Coffee Break
10:50 AM	Invited Talk: Converse Bounds for Private Communication Over Quantum Channels	Invited Talk: Distributed Quantum Networks Based on Trapped Ions	Invited Talk: Implementing Free-Space QKD Systems Between Moving Platforms: Polarization vs. Time-Bin Encoding	(until 11:20)	Invited Talk: Verification in Quantum Cryptography
11:25 AM	Simple and tight device-independent security proofs	Rate-distance tradeoff and resource costs for all-optical quantum repeaters	Quantum-limited Measurements of Signals from a Satellite in Geostationary Earth Orbit	Cross-phase modulation of a probe stored in a waveguide for non-destructive detection of photonic qubits	Adaptive Versus Non-Adaptive Strategies in the Quantum Setting
11:45 AM	Zero-knowledge proof systems for QMA	Continuous Variable Quantum Computing on Encrypted Data	Time-bin encoding Along Satellite-Ground Channels	Information theoretically secure distributed storage system with QKD network and password authenticated secret sharing scheme	Computational Security of Quantum Encryption
12:05 PM	Lunch	Lunch	Lunch	Lunch	Lunch
1:40 PM	Invited Talk: Fundamental Limits of Repeaterless Quantum Communications	Industry Session Panel Discussion (until 2:20)	Free Afternoon	Invited Talk: Battling with Quantum Hackers	Integrated Silicon Photonics for Quantum Key Distribution-and - Wavelength-Division-Multiplexed QKD with Integrated Photonics

Schedule changes continued on backside

	MONDAY (cont.)	TUESDAY (cont.)	WEDNESDAY (cont.)	THURSDAY (cont.)	FRIDAY (cont.)
2:15 PM	A modulator-free QKD transmitter	(At 2:25) New security notions and feasibility results for authentication of quantum data	Free Afternoon	Quantum-proof multi-source randomness extractors in the Markov model	(At 2:05) Laser damage creates backdoors in quantum cryptography - and - Insecurity of detector-device-independent QKD
2:35 PM	77 day field trial of high speed quantum key distribution with implementation security	(At 2:45) Continuous-variable QKD with a "locally" generated local oscillator-and-Theoretical analysis and proof-of-principle demonstration of self-referenced CV QKD		On quantum obfuscation	(At 2:30) Hot Topics Session (until 3:30)
2:55 PM	Towards secure QKD with testable assumptions on modulation devices	(until 3:15)		Breaking Symmetric Cryptosystems using Quantum Period Finding	
3:15 PM	Coffee Break	Coffee Break		Coffee Break + Group Photo	
3:45 PM	Invited Talk: Photonic Integrated Circuits for Quantum Communications	Poster Session (until 6:00 PM)		Poster Session (until 6:00 PM)	
4:20 PM	Observation of quantum fingerprinting beating the classical limit				
4:40 PM	24-Hour Long Relativistic Bit Commitment				
5:00 PM	Quantum teleportation over deployed fibres and applications to quantum networks				
EVENING	(At 6:00) Public Lecture: Michele Mosca, "Cryptography and Cybersecurity in the Quantum Era"			(At 6:30) Conference DinnerAfter-dinner speaker: Scott Aaronson	