

OSA Quantum 2.0 Conference

14 – 17 September 2020

OSA Virtual Event - Eastern Daylight Time (UTC - 04:00)

Agenda of Sessions

Monday, 14 September	
09:45—11:45	QM1A • Keynote on Quantum Computing and session on Platforms for Quantum Computing I (QM1A) with Keynote Speaker Marissa Giustina, Google AI Quantum, USA “Building Google’s Quantum Computer”
11:45—12:00	Break
12:00—13:30	QM2A • Platforms for Quantum Computing II
13:30—13:45	Break
13:45—15:15	JM4A • Quantum Computing and Simulation with Atoms and Ions (Joint Quantum and LS)
	QM4B • Photonics I
15:15—15:45	Break
15:45—16:45	QM5A • Quantum Computing and Simulation with Ions
	QM5B • Photonics II
16:45—17:15	Break
17:15—18:15	QM6A • Computing and Simulation I
	QM6B • Photonics III

Tuesday, 15 September	
10:00—11:15	QTu3A • Keynote on Data Security and Session on Sensing Applications and Color Centers I with Keynote Speaker Grégoire Ribordy, ID Quantique, Switzerland “Quantum Technologies for Long-term Data Security”
11:15—11:30	Break
11:30—12:30	QTu4A • Sensing Applications and Color Centers II
12:30—13:30	FTu5A • Plenary Talk: Nergis Mavalvala, MIT, USA “Squeezed Light in Gravitational Wave Detection”
13:30—13:45	Break
13:45—15:15	QTu6A • Sensing Applications and Color Centers III
15:15—15:45	Break
15:45—16:45	QTu7A • Quantum Workforce Panel in Quantum Science and Technology
16:45—17:40	QTu8A • Quantum Poster Session I – A
17:40—18:30	QTu8B • Quantum Poster Session I – B

Agenda of Sessions

Wednesday, 16 September		
08:30—10:00	Are You a #FutureShaper? Quantum Workforce Skills and Careers	
10:00—11:15	QW1A • Keynote on Quantum Systems and Computing and Simulation II with Keynote Speaker Ignacio Cirac, Max Planck Inst. of Quantum Optics, Germany “Quantum Algorithms for Finite Energies and Temperatures”	
11:15—11:30	Break	
11:30—12:30	QW2A • Space Applications	
12:30—13:30	JW3A • Plenary Talk: Federico Capasso, Harvard University, USA “Structuring Light with Flat Optics”	
13:30—13:45	Break	
13:45—15:15	QW4A • Clocks and Interferometry	
15:15—15:45	Break Meet the Speaker: Ignacio Cirac, Max Planck Inst. of Quantum Optics, Germany	
15:45—16:45	QW5A • Interferometry and Communication	QW5B • Computing and Simulation III
16:45—17:40	QW6A • Quantum Poster Session II – A	
17:40—18:30	QW6B • Quantum Poster Session II – B	
18:30—19:30	OSA Quantum Optical Science and Technology Technical Group 20x20 Talks	
Thursday, 17 September		
10:00—11:30	QTh2A • Communication and Simulation	
11:30—12:30	JTh3A • Joint Visionary Talk: Mikhail Lukin, Harvard University, USA	
12:30—13:30	QTh4A • Transduction and Communication	
13:30—13:45	Break	
13:45—15:15	QTh5A • Communication and Photonics	QTh5B • Metrology
15:15—15:45	Break Meet the Speaker: Mikhail Lukin, Harvard University, USA	
15:45—16:45	QTh6A • Computing and Simulation IV	QTh6B • Hybrid Systems
16:45—17:40	QTh7A • Quantum Poster Session III – A	
17:40—18:30	QTh7B • Quantum Poster Session III – B	