

Time	Sunday August 5	Monday August 6	Tuesday August 7	Wednesday August 8	Thursday August 9	Friday August 10	
08:00	Arrival	Breakfast					
		J. Stuhler: Introduction					
09:00		<b>O. Morsch</b> Principles of quantum technologies — Foundations	<b>C. Marquardt</b> Quantum key distribution with continuous variables	<b>F. Wilhelm-Mauch</b> Quantum computing theory	<b>R. Gross</b> Quantum computation with superconducting qubits	<b>D. Budker</b> Magnetic sensing with atoms	
10:30		Break					
11:00		<b>K. Singer</b> Principles of quantum technologies — Techniques	<b>G. Rempe</b> Quantum memories and networks with atoms in optical resonators	<b>F. Schmidt-Kaler</b> Quantum computation with trapped ions	<b>P. Schmidt</b> Quantum logic and clocks	<b>F. Jelezko</b> Quantum sensing with color centers in diamond	
12:30-14:00		Lunch					
14:00		<b>O. Benson</b> Integrated devices for quantum optical technologies	<b>T. Northup</b> Quantum communication with trapped ions	Excursion	<b>C. Klempt</b> Atom interferometry	Departure	
15:30		Break			Break		
16:00		<b>P. Michler</b> Quantum dots for quantum technologies	<b>C. Groß</b> Quantum simulation with ultracold atoms		<b>M. Oberthaler</b> Atom trap trace analysis		
17:15		<b>H. Weinfurter</b> Quantum cryptography	<b>T. Monz</b> Quantum simulation with trapped ions		<b>Quantum technology industry short presentations*</b>		
18:30	Dinner						
20:00		Posters	Posters	Discussions	QT Industry Posters*		

<b>Categories:</b>
Basic Science
Enabling Technologies
Communication
Simulation
Computing
Sensing & Metrology
QT Companies

\* presenting quantum technology companies: **InfiniQuant** (I. Khan), **Menlo Systems** (S. Saint-Jalm), **OHB** (A. Neuzner), **Qnami** (P. Maletinsky / F. Favaro), **Quandela** (V. Giesz), **QUARTIQ** (R. Jördens), **qutools** (H. Weier / M. Deisböck), **Single Quantum** (S. Dorenbos), **Swabian Instruments** (M. Schlagmüller), **TOPTICA Photonics** (S. Ritter), **Zurich Instruments** (B. Küng)