



Start Day 1 Title Name

09:00	Welcome coffee	
09:25	Welcome by the Speakers	Speaker-Team
09:55	Guest Speaker: The aluminium oxide photonic integrated platform to enable quantum applications	Sonia Garcia Blanco
10:35	Quantum reasoning tools	Rainer Müller
10:50	Coffee break + picture	
11:30	1st Prize of the ZARM Award for "Fabrication and characterisation of NEG functionalised glass mems for the generation of UHV conditions in miniaturised atom interferometers"	Leonard Diekmann
11:45	New approaches to high precision hybrid integration for ion traps	Florian Meierhofer
12:00	Resonant light-matter coupling to chiral nematic phase of liquid crystals	Silvia Müllner
12:15	Squeezed Light for Gravitational Wave Detectors	Henning Vahlbruch
12:30	Lunch	
13:30	Poster Session "Exploring Light and Matter" + Coffee & Dessert	
16:00	Integrated light for distributed sensing and metrology	Daniel Prades
16:30	Laser technologies for modern nanophotonics	Boris Chichkov
16:45	Dark energy search using atom interferometry in the Einstein-Elevator	Magdalenda Misslisch
17:00	Science Outreach at ZARM	Dennis Philipp/Christian Pfeifer
17:15	QuantumVR – Virtual Reality Escape Room Game on Quantum Computing	Tobias Voss
17:30	Pause	
17:45	Community Building Event and Poster Prize Award of Day 1	
18:30	Dinner	

Start Day 2 Title Name

08:30	Welcome coffee	
09:00	Welcome to Day 2	Speaker-Team
09:10	Guest Speaker: Time-Reversal-Based Quantum Metrology	Vladan Vuletic
09:50	A (nearly) universal quantum logic approach: Far-detuned Raman interaction with titanium and molecular ions	Fabian Wolf
10:05	An avenue for controlling quantum-dominated interactions between ions and molecules	Leon Karpa
10:20	Point defect diffusion in GaInN/GaN quantum well structures	Rodrigo de Vasconcellos Lourenço
10:35	Improving microgravity quality for highly sensitive quantum experiments in the Einstein-Elevator	Christoph Lotz
10:50	Coffee break	
11:30	Theater Session on Structural Discrimination	Shaeema Zama, Science Melting Pot
13:00	Lunch	
14:00	Poster Session "At the Quantum Frontier" + Coffee & Dessert	
16:30	Probing new bosons and nuclear effects via precise isotope shifts	Elina Fuchs
16:45	Sensing the Pulse of the Earth with Quantum Technology	Matthias Weigelt
17:00	Prospects for testing the gravitomagnetic clock effect	Eva Hackmann
17:15	Report on the Quantum Frontiers vibration isolation workshop 2023	David Wu
17:30	Close and Poster Prize Award of Day 2	