# World Quantum Day 2023

# Friday 14 April 2023

**Spotlight Presentations from Quantum Research Areas and Technology Transfer - Auditorium / Hörsaal (00:55 - 14:30)**

| time | [id] title | presenter |
|------|-----------|-----------|
| 09:00 | [24] ALQU (Algorithms for QUantum computer development using hardware-software-codesign): A DLR-QCI project | SCHUHMACHER, Peter Ken |
| 09:15 | [21] Efficient readout of quantum computers | GRESCH, Alexander |
| 09:30 | [22] Quantum Computing at DESY | MELONI, Federico |
| 09:45 | [20] Machine-Learning assisted quantum computing | MATHEY, Ludwig |
| 10:00 | Coffee / Tea | |
| 10:20 | [25] Quantum Materials at DESY | ROSSNAGEL, Kai |
| 10:35 | [26] Novel Quantum Materials at UHH | LARS TIEMANN, Chitra Sharma, |
| 11:00 | [28] Quantum spin helices as quantum memory? | POSSKE, Thore |
| 11:15 | [29] A superconducting single-photon detector for ALPS II and other new physics searches | OTHMAN, Gulden |
| 11:30 | [30] Spinning DESY: Quantum Control of Molecular Rotation | TRIPPEL, Sebastian |
| 11:45 | Coffee/Tea | |
| 12:05 | [32] Practicable Quantum Networks safe and reliable transmission of quantum data | RIEDINGER, Ralf |
| 12:20 | [31] Fibre-based one-sided device independent QKD using quadrature entangled light at 1550nm | SCHNABEL, Roman |
| 12:35 | [33] Towards Scalable Quantum Circuits on Chip: Challenges and Enabling Technologies | LIPKA, Timo |
| 12:50 | Short Break | |
| 13:05 | [34] DLR Quantum Computing Initiative | AXMANN, Robert |
| 13:20 | [35] Quantum computing in maritime logistics | RIZVANOLLI, Anisa |
| 13:35 | [37] QUTAC: An industry consortium to advance the application of quantum computing | DOETSCH, Joseph |
| 13:50 | [36] Innovation and Technology Transfer @ DESY | BROCK, Sabine |
| 14:05 | [38] IKS Hamburg - Chances and challenges of collaborations between startups and corporates | VOGT, Florian |