

|               | Wednesday  | Thursday  | Friday   |
|---------------|--|---|--|
| 08:45 - 09:00 | Registration   | Coffee and pastries   | Coffee and pastries  |
| 09:00 - 09:15 | Welcome remarks  |   |  |
| 09:15 - 09:30 | <b>Alex Lvovsky</b>  | <b>Paolo Villoresi</b>  | <b>Michał Oszmaniec</b>  |
| 09:30 - 10:00 | Optics and neural networks: a natural symbiosis                                      | Progressing Quantum Communications in Space and on the ground                                       | Complexity-theoretic foundations of Boson Sampling with a linear number of modes             |
| 10:00 - 10:30 | <b>Rainer Mahrt</b><br>Exploring future light-based computing technologies           | <b>Grzegorz Kasprowicz (Creotech)</b><br>Ion trap Quantum Computation activities at the WUT         | <b>Eleni Diamanti</b><br>Secure communications in quantum networks                           |
| 10:30 - 11:00 | Coffee break   | Coffee break  | Coffee break   |
| 11:00 - 11:30 | <b>Nicolas Cerf</b><br>Anomalous multimode photon bunching in linear interferometers | <b>Félix Bussi eres</b><br>TBA  | Short talks<br>6 x 15 min  |
| 11:30 - 12:00 | <b>Joseph M. Renes</b><br>TBA  | <b>John Barends (EP)</b><br>TBA   |  |
| 12:00 - 12:30 | <b>Tobias Vogl</b><br>The Quantum Network at the Technical University of Munich      | <b>Jakub Mro ek (IQM)</b><br>Two-Qubit Gates and Benchmarks on IQM Resonance                        |  |
| 12:30 - 14:00 | Lunch break  | Lunch break   | Lunch break  |
| 14:00 - 14:30 | Short talks<br>4 x 15 min  | Technology panel<br><br>EP / IQM / Creotech<br><br>Why do we need more quantum technology startups? | <b>Piotr Mironowicz</b><br>Coordination without communication                                |
| 14:30 - 14:45 |  |   | <b>Magdalena Stobińska</b><br>Enhancing free space DI QKD via employing NPA hierarchy method |
| 14:45 - 15:00 |  |   | Closing remarks  |
| 15:00 - 15:30 | Coffee break   | Coffee break  |  |
| 15:30 - 16:00 | Poster session   |   |  |
| 16:00 - 16:30 |  |   |  |
| 16:30 - 17:00 |  |   |  |
| 17:00 - 17:30 |  |   |  |
| 17:30 - 18:30 | Free time  |   |  |
| 18:30 - 22:00 | Conference dinner  |   |  |