| Otago NZ<br>+ 1 day | Singapore<br>+ 1 day | Berlin   | Boston   | San<br>Francisco | Montag Mai, 31  | Dienstag Juni, 1   | Mittwoch Juni, 2  | Donnerstag Juni, 3   |
|---------------------|----------------------|----------|----------|------------------|---|--|---|--|
| 4:45 AM             | 12:45 AM             | 6:45 PM  | 12:45 PM | 9:45 AM          | Welcome and Introduction of WE Heraeus Seminar  |  |   |  |
| 5:00 AM             | 1:00 AM              | 7:00 PM  | 1:00 PM  | 10:00 AM         | Amir Safavi-Naeini Approaches and limits to networking quantum machines                                 | Andreas Wallraff Operating microwave quantum links between superconducting circuits over meter-scale distances | Andrew Cleland Remote quantum communication between superconducting qubit nodes: Challenges and solutions | Oskar Painter An integrated superconducting qubit to optical transducer                                    |
| 6:00 AM             | 2:00 AM              | 8:00 PM  | 2:00 PM  | 11:00 AM         | Oliver Benson Delaying and synchronizing single photons for quantum processors using alkali vapor cells | Christoph Becher<br>Telecom links between<br>nodes in quantum<br>networks                                      | Christine Silberhorn<br>Nonlinear integrated<br>quantum devices   | Birgitt Stiller Waveguide optomechanics – coherent control of traveling acoustic waves                     |
| 7:00 AM             | 3:00 AM              | 9:00 PM  | 3:00 PM  | 12:00 PM         | Poster session A<br>(start with 15 min flash<br>poster session)   | Poster session B<br>(start with 15 min flash<br>poster session)  | Poster session C<br>(start with 15 min flash<br>poster session)   | Poster session D<br>(start with 15 min flash<br>poster session)  |
| 8:00 AM             | 4:00 AM              | 10:00 PM | 4:00 PM  | 1:00 PM          | James Haigh Microwave-optical conversion using ferromagnetic magnons                                    | Jevon Longdell Microwave optical conversion using rare earth spins in solids                                   | Liang Jiang Protocols for quantum transduction  | Paul Seidler Microwave-optical transduction with integrated gallium phosphide devices                      |
| 9:00 AM             | 5:00 AM              | 11:00 PM | 5:00 PM  | 2:00 PM          | Cindy Regal Towards mechanically- mediated electro-optic quantum transduction                           | Marco Lončar Quantum interconnects with Lithium niobate  | Wenhui Li Microwave-to-optical conversion via wave mixing in an atomic Rydberg ensemble                   | Hong Tang AIN cavity electro-optic circuit for microwave-to- optics conversion in the quantum ground state |
| 10:00 AM            | 6:00 AM              | 12:00 PM | 6:00 PM  | 3:00 PM          |   |  |   | Concluding remarks and<br>Poster prize awards  |