Tuesday 13th of December

08:45  Stefan Bengtsson, Chalmers University of Technology, President and CEO
       Welcome
09:00  Tommaso Calarco, Ulm University
09:30  Enrique Solano, University of the Basque Country
       Quantum simulations: a quantum theater for quantum technologies

10:00  COFFEE

10:30  Leo Kouwenhoven, Delft University of Technology
       Majorana Qubits
11:00  Panel discussion about the content and potential impact of the European
       Commission flagship on Quantum Technologies. Göran Wendin is the
       moderator.
12:00  LUNCH

13:30  Matthias Troyer, ETH Zürich
       Quantum High Performance Computing
14:00  Andrew Cleland, University of Chicago
       EnCt29676b5614c6c39b30f0a7a91f5291416cad7277, or, Can you read
       this title?
14:30  Stefan Kröll, Lund University
       Quantum applications and spin off discoveries in rare earth crystals

15:00  COFFEE

15:30  Steven Girvin, Yale University
       Quantum Error Correction: Building a (Nearly) Perfect Computer from
       Imperfect Parts
16:00  Rupert Ursin, Vienna Center for Quantum Science and Technology
16:30  Val Zwiller, KTH Stockholm
       Generation, manipulation and detection of quantum states of light at the
       nano scale

17:00-18:30  POSTER SESSION
Wednesday 14th of December

09:00  Yoshihisa Yamamoto, Japan Science and Technology Agency, Stanford University,  
        Combinatorial Optimization and Boltzmann Sampling by Coherent Ising Machines
09:30  Göran Johansson, Chalmers University of Technology,  
        Detection and generation of propagating microwave photons

10:00  COFFEE

10:30  John Martinis, Google and UC Santa Barbara,  
        Roadmap for building a quantum computer
11:00  Stefan Filipp, IBM Research – Zurich,  
        Quantum computing on a scalable superconducting qubit platform
11:30  Lisa Barsotti, MIT, The quantum side of gravitational wave detectors

12:00  LUNCH

13:30  David DiVincenzo, Forschungszentrum Juelich GmbH,  
        Hall Effect Gyrators and Circulators
14:00  Will Oliver, MIT,  
        Engineering Quantum Systems
14:30  Leonardo DiCarlo, Delft University of Technology  
        Scaling the Superconducting Quantum Processor

15:00  COFFEE

15:30  Charles Marcus, Niels Bohr Institute Copenhagen
16:00  Erika Andersson, Heriot-Watt University, Edinburgh,  
        Secure signatures - a practical quantum technology
16:30  Per Delsing, Chalmers University of Technology,  
        Quantum Acoustics

17:00-18:30  POSTER SESSION
Thursday 15th of December

09:30  Nicolas Gisin, University of Geneva,  
Quantum Communication

10:00  COFFEE

10:30  Mohamed Bourenanne, Stockholm University,  
Photonic Multipartite Entanglement

11:00  Patrice Bertet, CEA Saclay,  
Magnetic resonance at the quantum limit and beyond

11:30  Immanuel Bloch, Max-Planck Institut für Quantenoptik & Ludwig-Maximilians Universität,  
Controlling and Exploring Quantum Matter Using Ultracold Atoms in Optical Lattices

12:00  LUNCH

13:30-15:00  Quantum Technology in Sweden Business meeting