Quantum Europe:  
A New Era of Technology

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| **DAY 1** | **TUESDAY 17 MAY** |  |
| 08:30 | Registration and coffee/tea |
| 09:15 | Intro and welcome by by Henk Kamp, Minister of Economic Affairs | Exhibition / demonstrations |
| 09:30 | Plenary: Alain Aspect, Institut d'Optique |
| 09:45 | Plenary: Michael Bolle, Robert Bosch GmbH |
| 10:00 | Plenary: Mike Mayberry, Intel |
| 10:15 | Ceremony for the hand-over of the Manifesto to Commissioner Oettinger and Minister Kamp. With: Alain Aspect, Paolo Bianco, Michael Bolle, Tommaso Calarco, Freeke Heijman, Leo Kouwenhoven |
| 10:25 | Günther Oettinger, European Commissioner for Digital Economy and Society |
| 10:35 | Plenary: Leo Kouwenhoven, QuTech |
| 10:45 | Opening of the exhibition + coffee break |
| 11:15  Room: Rijn | Panel discussion on quantum strategy in Europe  Moderated by Cora van Nieuwenhuizen, Member of European Parliament  Reflection on speakers by Krysta Svore, Microsoft  Panelists:  Alain Aspect, Institut d'Optique  Michael Bolle, Robert Bosch GmbH  Leo Kouwenhoven, QuTech  Mike Mayberry, Intel  Krysta Svore, Microsoft |

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| 12:00  Room: Rijn | Panel discussion on quantum technology approaches within European member states  Chaired by Maive Rute, JRC  Panelists:  Vladimir Buzek, Slovak Academy of Sciences  Freeke Heijman, Ministry of Economic Affairs, Netherlands  Paul Indelicato, Université Pierre et Marie Curie  Sir Peter Knight, UK Quantum Technology Initiative Strategy Advisory Board  Anna Plater, National Science Centre, Poland | | | | |  |
| 12:45 | Serge Haroche via video call | | | | |  |
| 12:50 | Lunch | | | | |  |
| 14:00–15:30 Working sessions on the scientific content of the Quantum Manifesto | **Q Comm** (Room: Amstel 2)  Co-chairs: Nicolas Gisin, University of Geneva and Wolfgang Spahn, CTO, KEYMILE  Ronald Hanson, QuTech, Netherlands  Kelly Richdale, IDQ, Switzerland  Andrew Shields, Toshiba, UK  Tim Spiller, Qucom hub; York University, UK  Qiang Zhang, University of Science and technology, China | **Q Sim** (Room: Malta/Wisla)  Co-chairs: Paolo Bianco, Airbus Defence & Space and Iuliana Radu, IMEC  Tilman Esslinger, ETHZ, Switzerland  Maciej Lewenstein, ICFO, Spain  Daniel Lidar, University of Southern California, USA  Andreas Wallraff, ETHZ, Switzerland | **Q Comp** (Room: Amstel 1)  Co-chairs: Daniel Esteve, CEA Saclay & Thomas Strohm, Robert Bosch GmbH  Rainer Blatt, Uni of Innsbruck, Austria  David DiVincenzo, RWTH Aachen, Germany  Jeremy O'Brien, Uni Bristol, UK  Walter Riess, IBM Research, Zürich, Switzerland  Lieven Vandersypen, QuTech, Netherlands | **Q Sens+Metr** (Room: Amstel 3)  Co-chairs: Ian Walmsley, Uni Oxford & Thierry Debuisschert, Thales Research & Technology  Konrad Banaszek, Uni Warsaw, Poland  Trevor Cross, e2v, UK  Bruno Desruelle, MuQuans, France  Fedor Jelezko, Uni Ulm, Germany  Helen Margolis, UK National Physical Laboratory, UK | **Q Softw/Algor** (Room: Taag)  Co-chairs: Ignacio Cirac, Max Planck Institute of Quantum Optics & Mike Mayberry, Intel  Andris Ambainis, University of Latvia, Latvia  Harry Buhrman, QuSoft, Netherlands  Artur Ekert, Oxford, UK / Singapore  Krysta Svore, Microsoft  Matthias Troyer, ETH Zurich, Switzerland |  |
| 15:30 | Coffee break | | | | |  |

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| 16:00 | Plenary: Mike Lazaridis, Quantum Valley Investments |  |
| 16:30 | Plenary: Charles Marcus, University of Copenhagen |
| 17:00–17:10 | Closing by Tommaso Calarco, University of Ulm, IQST |
|  | Transport to the dinner location  Piano quantum intermezzo before appetizer |
|  | Plenary dinner speakers:  Anton Zeilinger, University of Vienna  Krysta Svore, Microsoft |

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| **DAY 2** | **WEDNESDAY 18 MAY** |  |
| 08:30 | Coffee/tea |
| 09:00 | Opening by Bertholt Leeftink, DG of Enterprise and Innovation, Ministry of Economic Affairs | Exhibition / demonstrations |
| 09:10 | Plenary: John Martinis, Google |
| 09:40  Room: Rijn | **Panel discussion on industry**  Chaired by Trevor Cross, e2v  Panelists:  Paolo Bianco, Airbus  Markus Matthes, ASML  Mike Mayberry, Intel  Eamonn Murphy, ESA / ESTEC  Kelly Richdale, IDQ  Andrew Shields, Toshiba  Maud Vinet, LETI |
| 10:40 | Coffee break |  |
| 11:10  Room: Rijn | **Panel discussion on quantum technology approaches outside of Europe**  Chaired by Gail Kent, CNECT  Panelists:  Artur Ekert, Oxford, on Singapore  Mike Lazaridis, Quantum Valley Investments, on Canada  Charles Marcus, University of Copenhagen, on U.S.  Qiang Zhang, University of Science and technology, on China  Marc de Jong, McKinsey & Company, on global trends |

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| 12:10 | Closing  Paul de Krom, Applied Scientific Research (TNO)  PM Slowak / UK Representative  Markus Matthes, ASML  Jo de Boeck, IMEC |  |
| 12:30 | Lunch buffet |
|  | Optional QuTech lab tour in Delft (Buses depart from the Europe Building at 13:30) |  |