

Draft programme Quantum Europe 2016:

A New Era of Technology

DAY 1	TUESDAY 17 MAY	
08:30	Registration and coffee/tea	
09:00	Welcome by moderator Cora Van Nieuwenhuizen (MEP) Intro movieclip Oettinger (10 min) Kamp (10 min) Kouwenhoven (10 min)	Ex-hibition-/demonstrations
09:35	Official hand over of the Manifesto to Kamp and Oettinger. Ceremony to be worked out Present: Alain Aspect, Leo Kouwenhoven, Tommaso Calarco, Michael Bolle, Paolo Bianco, Freeke Heijman	
09:45	Plenary : Alain Aspect (ENS Cachan)	
10:00	Plenary : Michael Bolle (Bosch)	
10:15	Plenary : Mike Mayberry (Intel)	
10:30	Opening of the Exhibition + Coffee break Possibility for Oettinger/Kamp to leave, opportunity to talk to press	
11:00	Panel discussion on quantum strategy in Europe Moderated by Cora van Nieuwenhuizen (MEP) Krysta Svore to start with reflection on speakers Aspect, Bolle, Kouwenhoven, Mayberry/Svore, ASML, Calarco	

11:45	Round table: Quantum technology approaches within European member states Chaired by Roberto Viola, DG CNECT or RJ Smits, DG RTD Dr. Georg Schütte, BMBF DE Roger Genet, DG Research and Innovation France Freeke Heijman, Ministry of Economic Affairs, NL Sir Peter Knight, UK Strategy Board, UK Prof Vladimir Buzek, Slovak Academy of Sciences, SK NR A. Plater from Polish funding agency NR				
12:30	Serge Haroche via video call by moderator				
12:45	LUNCH				
14:00 - 15:30 Working session Session on the scientific content of the Quantum Manifesto, with the Session Chairs (the VI Directors?) acting as Rapporteurs	Q Comm Gisin + someone from Keymile Kelly Richdale , VP sales & marketing, IDQ-Switzerland. Tim Spiller , Head of Qucom hub in UK; York University. Andrew Shields , Toshiba UK Qiang Zhang , University of Science and Technology, China. In charge of the	Q Sim Bloch + Airbus Speaker TBD Peter Zoller Alan Aspuru-Guzik (Harvard) Andreas Walraff T. Esslinger	Q Comp Esteve + Strohm Lieven Vandersypen , semiconductor qubits Rainer Blatt , trapped ions Jeremy O'Brien , optical QC (or another optical QC person) David DiVincenzo Alessandro Curioni (VP Europe and Director IBM Research, Zurich)	Q Sens+Metr Walmsley + De-buisserth Fedor Jelezko (Uni Ulm) - magnetic field sensors Helen Margolis (UK National Physical Laboratory) - time measurement Bruno Desruelle (MuQuans) - gravity sensors Konrad Banaszek (Uni Warsaw) - optical sensors Trevor Cross	Q Softw/Algor Cirac + Mayberry Artur Ekert (Oxford, UK / Singapore) Matthias Troyer (ETH, Zurich, Switzerland) Andrew Yao (Tsinghua, China) Krysta Svore , Microsoft (broad picture or AI applications) or as dinner speaker Harry Bhurman

	Chinese Quantum Backbone network. Ronald Hanson					
15:30	Coffee Break					
16:00	Plenary: Mike Lazaridis					
16:30	Plenary: Charles Marcus					
17:00 - 17:10	closing by Tommaso Calarco, presenting bullet points from parallel sessions					
	BOATS to the DINNER location Piano quantum intermezzo before appetizer					
	Plenary “in between courses” speakers: Krysta Svore (or in parallel session) Anton Zeilinger					
DAY 2 WEDNESDAY 18 MAY						
08:30	Coffee/tea					
09:00	Opening by someone from NL Ministry Economic Affairs (DG)					
09:10	Plenary: John Martinis (Google)					Exhibition /demonstrations
09:40	Round table on Industry Chair: Trevor Cross Maud Vinet – LETI (university-industry link) Paolo Bianco – Airbus (end-user) ASML Jonathan Flint (Oxford Instruments) – supply chain Eamon Murphy or Bruno Leone ESA / ESTEC – end user Kelly Richdale (IDQ), also speaker in the parallel sessions					

	Andrew Shields (Toshiba) - IT, also speaker in the parallel sessions	
10:40	Coffee break	
11:10	Round table: approaches outside Europe Chaired by V. Sucha (tbc) (Backup: Marc de Jong (McKinsey and Company):) Mike Lazaridis (On Canada) Artur Ekert (On Singapore) Qiang Zhang (On China) Charles Marcus (On US developments) and/or possibly someone from NIST Gerard Milburn (on Australian approach; backup Morello, Dzurak, young Delft researcher Scapucci)	
12:10	Wrap up/closing Viola or Smits / Sander Dekker /Draxler/MEP Accompanied by clip with high level endorsements	
12:30	LUNCH (sandwiches/ easy to take away) During LUNCH: standup quantum column	