Quantum technologies – how will they change our world?
29 March 2017, Brussels

HELMHOLTZ ASSOCIATION

Dear Ladies and Gentlemen,

The expectations are high: Quantum technologies are supposed to bring transformative advances to society. Future developments in e. g. robotics or autonomous vehicles strongly depend on whether their potential can be fully unleashed. The field of quantum research and its technological promises, however, are as intriguing as they can be incomprehensible. With this event we also strive to break the futuristic term down to its possible meaning for our everyday life: How will future computing look like and what timescales are we speaking about? What impact might quantum technologies have on e. g. communication and cryptography? The latest European Commission's flagship initiative will address the quantum topic in depth. How can science and industry contribute – and collaborate? By providing latest research examples and insights from politics and industry, the Helmholtz Association wants to foster the discussion on our technological future.

We cordially invite you to participate in this year's Helmholtz evening event on:

Quantum technologies – how will they change our world?
on 29 March 2017, 6:00pm
at the Representation of the Free State of Bavaria to the EU, Rue Wiertz 77, 1000 Brussels

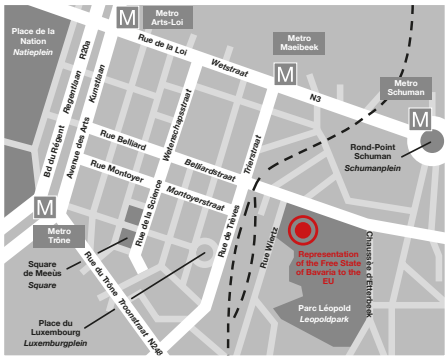
I look forward to meeting you and exchanging views with you on these critical issues.

Kind regards,

Otmar D. Wiestler
President of the Helmholtz Association

Kindly hosted by the Representation of the Free State of Bavaria to the European Union

Rue Wiertz 77
1000 Brussels



Programme

18:00 **Get together**

18:30 **Welcome addresses**
- ***Barbara Schretter,*** *Director of the Representation of the Freestate of Bavaria to the EU*
- ***Prof. Dr. Otmar D. Wiestler,*** *President of the Helmholtz Association*

18:45
- ***Dr. Roberto Viola,*** *Director-General for Communications Networks, Content and Technology, European Commission*
- ***Prof. Dr.-Ing. Wolfgang Marquardt,*** *Vice-President of the Helmholtz Association for Key Technologies and Chairman of the Board of Directors, Forschungszentrum Jülich*

» Quantum Technologies – The Helmholtz Perspective «

19:15 **Panel discussion** | *Discussion moderated by* ***Jacki Davis****, Journalist*
- ***Dr. Florian Neukart,*** *Principal Data Scientist, Volkswagen Group, Region Americas*
- ***Dr. Max F. Riedel,*** *Consultant at Siemens Corporate Technology University Relations*
- ***Dr. Thomas Skordas,*** *Director for Digital Excellence and Science Infrastructure, DG CNECT, European Commission*
- ***Prof. Dr. Barbara Terhal,*** *Institute for Quantum Information, RWTH Aachen University; Researcher at Forschungszentrum Jülich*
- ***Prof. Dr. Wolfgang Wernsdorfer,*** *Institute of Physics and Institute of Nanotechnology, Karlsruhe Institute of Technology (KIT)*

20:00 **Reception**

PLEASE REGISTER BEFORE
23 MARCH 2016

- Please register via email and contact: ***events.bxl@helmholtz.de***
- For questions, please contact Kristine August
  Phone ***+32 2 5000 971*** · email ***kristine.august@helmholtz.de***

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