

INTERNATIONAL CONFERENCE QUAPPS

Quantum technology will change the future! Right now is the time to set the course for quantum technologies and its applications, whereas certain attention focusses on room temperature technologies. QuApps 2021 prepares the definition of the quantum technology roadmap until 2030. QuApps 2021 will be a recurring event to present and discuss relevant applications material properties and process technologies for quantum applications – from the engineering and market point of view.

ROADMAP EUROPE 2030

Within the last two decades, quantum technologies (QT) have made tremendous progress from the labs into a cross-disciplinary field of applied research. This field comprises four domains: quantum communication, quantum simulation, quantum computation, and quantum sensing and metrology. One success factor for the rapid advancement of QT is a well-aligned global research community with a common understanding of the challenges and objectives. Get in touch with leading European stakeholders

SPEAKERS

- Prof. Jörg Wrachtrup, [University of Stuttgart](#)
- Dr. Walter Riess, [IBM Research](#)
- Prof. Metin Tolan, [TU Dortmund](#), tbc
- Yann Ménière, [European Patent Organization](#)
- Dr. Martin Leib, [Volkswagen Data:Lab](#), tbc
- Dr. Thomas Strohm, [Bosch Research](#)
- Prof. Tommaso Calarco, [FZ Jülich](#)

CALL FOR PAPERS

Session subjects:

- diamonds for quantum technology
- material for quantum technology
- technology and industrialization
- automotive, industrial, medical and aerospace applications

Submissions must include an abstract. Papers, related to the session subjects, must be submitted by email to

quapps@ivam.com

For further information please visit the conference web page

www.quapps-conference.com

DEADLINE FOR PAPER SUBMISSIONS

July 31, 2020



Source: Prof. Jan Meijer

1ST INTERNATIONAL
CONFERENCE ON APPLICATIONS OF
QUANTUM TECHNOLOGIES

QUAPPS2021

MARCH 1-3, 2021, DÜSSELDORF, GERMANY

QUANTUM APPLICATIONS
QUANTUM MATERIALS
QUANTUM SENSING

www.quapps-conference.com

REGISTRATION



Conference fee: **1.199,00€.**

Early bird registration (before November 15, 2020):
899,00€.

Limited tickets for students: **599,00€.**

All prices are excluding VAT at 19%.

The registration fee includes the following items:

- fee attendance to all conference sessions
- welcome reception
- lunch, coffee breaks and refreshments
- both QuApps conference dinners

Monday March 1, 2021

17.00 Check-In / Reception

18.00 I: Keynote: Why Quantum Technologies?
Dr. Walter Riess, IBM Research

18.30 **Dinner**

20.30 II: Keynote: Quantum from a different point of view
Prof. Metin Tolan, TU Dortmund, tbc

Tuesday March 2, 2021

08.00 Conference check-in / Warm-up

09.00 Welcome / Greetings

09.30 III: Keynote: Government Roadmap for Quantum Technology
N.N. (Politician: BMWi/BMBF/Commission)

10.00 IV: Patent Landscape for Quantum Technology
Prof. Yann Ménière, European Patent Office

10.20 V: Investment / Financial Support
N.N. (Investor)

10.40 **Coffee break / Networking**

11.20 VI: Keynote: Material & Technology Overview
Prof. Jörg Wrachtrup, University of Stuttgart

**Diamond for
Quantumtechnology**
Room A

**Other Materials for
Quantumtechnology**
Room B

11.50 VII a: Presentation
N.N. VII b: Presentation
N.N.

12.10 VII a: Presentation
N.N. VII b: Presentation
N.N.

12.30 IX: Poster Pitch-Session

12.45 X: Exhibitors Pitch-Session

13.00 **Lunch (Buffet in Exhibition & Poster Hall)**

**Technology &
Industrialization I**
Room A

14.30 XI a: Presentation
N.N.

14.50 XI b: Presentation
N.N.

15.10 XI c: Presentation
N.N.

15.30 **Coffee break**

16.00 XII: Panel Discussion: Subject?

17.00 **Break**

17.50 XIII: Keynote: Exciting Applications of Quantum Technologies
Dr. Martin Leib, Volkswagen Data:Lab, tbc

18.20 **Dinner**

21.20 **End of Dinner**

Wednesday March 3, 2021

08.00 Conference check-in / Warm-up

08.30 Resumee of last day

08.45 XIV: Keynote: Sensor-Applications
Dr. Thomas Strohm, Bosch Research

Automotive Applications
Room A

Industrial Applications
Room B

09.15 XV a: Presentation
N.N.

09.35 XV b: Presentation
N.N.

09.55 XV c: Presentation
N.N.

10.15 **Coffee break / Networking**

XI d: Presentation
N.N.

XI e: Presentation
N.N.

XI f: Presentation
N.N.

XII: Panel Discussion: Subject?

XIII: Keynote: Exciting Applications of Quantum Technologies
Dr. Martin Leib, Volkswagen Data:Lab, tbc

XIV: Keynote: Sensor-Applications
Dr. Thomas Strohm, Bosch Research

XV d: Presentation
N.N.

XV e: Presentation
N.N.

XV f: Presentation
N.N.

Medical Applications
Room A

Aerospace Applications
Room B

11.00 XVI a: Presentation
N.N.

11.20 XVI b: Presentation
N.N.

11.40 XVI c: Presentation
N.N.

12.00 Conference Summary

12.15 **End of QuApps Conference**

12.15 **Lunch (Buffet in Exhibition & Poster Hall)**

Quantum Technology Roadmap Europe 2030

13.45 Keynote: Quantum Roadmap QT2030 and Major Opportunities

Prof. Tommaso Calarco, FZ Jülich

**Round Table:
New Technologies**
Room A

**Round Table:
New Applications**
Room B

14.15 Quo Vadis
N.N.

14.30 Discussion

15.15 Summary Results of Round Tables

15.35 Round Table: Roadmap QT2030 and Final Agreements

16.45 **End of Roadmap Meeting**

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