

Quantum Future Academy 2020

Today's insights for tomorrow's experts.

1–7 November 2020
Berlin, Germany

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Federal Ministry
of Education
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Explore the potential of quantum technologies!

Throughout the academy you will obtain an exclusive overview on state-of-the-art research and development in quantum technologies. Challenges are not limited to the field of physics: transferring basic principles of quantum physics into actual technical applications still requires enormous effort in development, e. g. in the fields of engineering sciences or information technologies. Those who want to make these new technologies profitable must create business models and find markets as well. The hurdles that have yet to be overcome on the way to application are so enormous that they can hardly be taken by national efforts alone – quantum technologies are a European matter! Therefore, the **Quantum Future Academy 2020** will go international: Participants from about 25 European countries will be attending – this is your chance to meet students from different cultures and fields of expertise. You will broaden your future research and business network across Europe and make new friends.

Already today, start-ups as well as established companies are massively investing in quantum technologies and related key technologies such as photonics. During the academy you will receive an exclusive insight into this cutting-edge field of technology, and the opportunity to thereby expand your horizon towards both the academic and the entrepreneurial world.

The Academy will take place within the framework of Germany's EU Council Presidency 2020. It is hosted by the German Federal Ministry of Education and Research (BMBF) in cooperation with Ferdinand-Braun-Institut, Leibniz-Institut für Höchstfrequenztechnik (FBH) and Humboldt-Universität zu Berlin. The initiative is supported by the European Quantum Flagship Initiative of the European Commission and various institutions of participating European countries.

What to expect:

- Excursions to leading companies and institutes
- Lectures by experts in the field of quantum technologies
- An exclusive insight into the current state of research and development
- Talks and networking with entrepreneurs, start-ups and founders
- Interactive workshops
- Discussions and networking with political representatives
- Social program with evening events

Participation in the academy is free of charge. Meals and housing will be provided. Travel expenses to and from Berlin will be reimbursed in coordination with the organizers. The event language is English.

Who can participate?

Students of engineering or natural sciences from universities of the participating countries in bachelor and master programs with basic knowledge of quantum mechanics.

How to apply (for students from Ireland):

Stage 1: Please submit your application, including a short letter of motivation (1 page), a recent CV (2 pages), and a recent transcript of records, by 10 August, 2020 via email to:
Dr. Jiri Vala, Maynooth University, jiri.vala@mu.ie

Stage 2: Further information on that will be sent to the candidates by email. The best applicants will receive a ticket to attend the academy in Berlin!

Further information can be found at
www.quantentechnologien.de/QA2020.

<http://www.quantumtechnologies.ie/>