



## Press Release

September 15<sup>th</sup>, 2020

### TOPTICA launches Quantum Quiz App

**Where do quantum physicists feel most comfortable? – The new Quantum Quiz app from TOPTICA answers this and more than 500 other important questions from the quantum world!**

Imagine being able to playfully improve your knowledge of quantum technologies. Every day, at any place and at any time. Our new quiz app now makes this possible for all quantum technology enthusiasts.

Quantum Quiz is a fun app, developed by employees, partners and friends of TOPTICA Photonics. Though there are no tangible prizes, players win by enhancing their quantum knowledge and the joy of the game. Players can test and improve their knowledge in exciting contests with like-minded people with questions such as "Which atom might be a good candidate for a nuclear atomic clock?" or "What is forbidden for a quantum state?"

There are currently more than 500 questions in the app, divided into three levels of difficulty. Level 1 can typically be answered by people with a general interest in Optics/Physics/Science and a sense of humor. Level 2 can typically be answered by people who paid attention during their physics classes at university. Level 3 is for experts in the field of quantum technologies.

The app offers two game modes: Solo and Multiplayer. Up to 4 people in each multiplayer game and several parallel multiplayer games are possible. The high score table will be reset at the beginning of each month, when TOPTICA will add new questions to the library. Everybody is invited to submit their own questions via the app!

Dr. Stephan Ritter, Director Application Quantum Technologies at TOPTICA, says "The Quantum Quiz started as a fun game that we played at exhibitions and conferences. Our friends and customers from the quantum community were so enthusiastic about it, that we decided to make it available to everyone in the form of an app. We really put a lot of heart and soul into the questions and answers. Of course, we had the most fun with the not so serious ones! We are already looking forward to great new questions and answers that the quantum-technology community will submit."

Are you still curious where quantum physicists feel most comfortable? The Quantum Quiz suggests it is in Hilbert space, but we hope it will be playing the Quantum Quiz!

The TOPTICA Quantum Quiz is available now for free on the App Store for iOS and Play Store for Android. Information about the game and download links can be found here:

[www.toptica.com/quantumquiz](http://www.toptica.com/quantumquiz)



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*TOPTICA has been developing and manufacturing high-end laser systems for scientific and industrial applications for 20 years. Our portfolio includes diode lasers, ultrafast fiber lasers, terahertz systems and frequency combs. The systems are used for demanding applications in biophotonics, industrial metrology and quantum technology. TOPTICA is renowned for providing the widest wavelength coverage of diode lasers on the market, providing high-power lasers even at exotic wavelengths. Today, TOPTICA employs 320 people worldwide in six business units (TOPTICA Photonics AG, TOPTICA eagleyard, TOPTICA Projects GmbH, TOPTICA Photonics Inc. USA, TOPTICA Photonics K.K. Japan, and TOPTICA Photonics China) with a consolidated group turnover of € 74 million.*