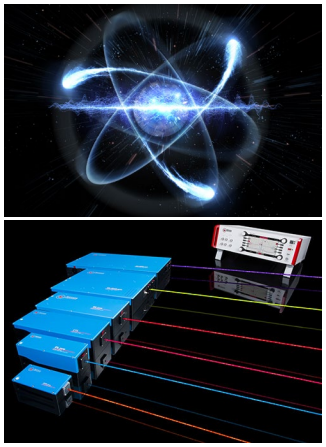
Press Release

June 14th, 2019

Shaping the Future of Quantum Technologies:
TOPTICA Photonics' Quantum Experience

Quantum technologies are all over the news – for good reasons! First killer applications are taking shape and funding agencies outdo each other to accelerate the already staggering pace of progress. TOPTICA is fully devoted to play an important part in this endeavor.



Quantum Technologies – enabled by TOPTICA's high-end laser systems

For more than 20 years, TOPTICA lasers have been integral parts in many of the most spectacular scientific advances in the field. Now, TOPTICA is the perfect match for exciting new quantum-technology startups and big players in the field alike.

First and foremost, TOPTICA continuously expands its product portfolio and pushes the boundaries of existing products, driven by an exceptionally skilled and devoted R&D team. "We are also closely interacting with many of our customers and team up with them to shape the future of quantum technologies", says Dr. Wilhelm Kaenders, Chairman of the LASER World of PHOTONICS Advisory Board and Member of Executive Board (CTO) of TOPTICA Photonics.
TOPTICA is very proud to have been selected as a partner in four large projects of the EU Quantum Flagship and to lead one of the three pilot projects of Germany's national quantum initiative. Together with some of the world's best researchers in their field, TOPTICA is committed to advance quantum simulators, demonstrate quantum internet subsystems and develop and build two portable atomic clocks and an ion-trap quantum computing demonstrator. The strong involvement in these challenging QT projects is a confirmation of TOPTICA's long-lasting relationship with the scientific community, and a sign of appreciation of its product quality. Last not least, it reflects the trust in its internal research and development capabilities.

At LASER World of PHOTONICS 2019 in Munich, TOPTICA co-chairs two application panel sessions dedicated to optical quantum technologies – the first covering sensing and computing, the second imaging and communication. Both panels will take place Wednesday, June 26th, 01:00 PM – 05:20 PM (Hall B3). TOPTICA also presents latest research results at the CLEO®/Europe – EQEC 2019. It is Europe's largest conference on photonics and related research fields, taking place at the same venue and time as the LASER World of PHOTONICS 2019.

Dr. Kaenders says, "LASER World of PHOTONICS acts as a 'market-place' where we exchange ideas with customers and competitors and where we also define our future strategy. In particular, quantum technology has seen a strong increase recently.

Quantum technology is no longer a real option to choose, but it is simply there. From a technological and also from a societal point of view, there is no alternative: technology will move forward into the quantum world."

Do you want to find out about TOPTICA's unique quantum experience? Come and visit us at the LASER World of PHOTONICS 2019 in Munich. And for those of you who are already quantum wizards: Prove your knowledge by playing our Quantum Quiz. You have the chance to win a Schroedinger's cat... maybe.

And don't miss our booth party: the **Quantum Carnival.** Join us for drinks, food, music, and great company! Tuesday, June 25th, 6-9 pm booth B2.103 Let's celebrate our common passion for quantum technologies!

Visit us at LASER World of PHOTONICS in hall B2.103

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TOPTICA Photonics AG develops, manufactures, services and distributes technology-leading diode and fiber lasers and laser systems for scientific and industrial applications. Sales and service are offered worldwide through TOPTICA Germany and its subsidiaries TOPTICA USA and TOPTICA Japan, as well as through 11 distributors. A key point of the company philosophy is the close cooperation between development and research to meet our customers' demanding requirements for sophisticated customized system solutions and their subsequent commercialization.