



Contribution ID: 106

Type: Talk

[61] Quantum Technologies: from basic research to industry

Thursday 29 August 2019 17:40 (20 minutes)

Quantum effects not only provide deeper insights into fundamental physics, but can also be exploited to advance a broad range of technologies. TOPTICA Photonics is deeply rooted in the quantum technology community, developing and manufacturing high-end laser systems for scientific and industrial applications. I will present opportunities and challenges TOPTICA faces by providing enabling technologies for quantum technologies and give examples of TOPTICA's direct involvement in this field, e.g. the development of an optical atomic clock. My own career path reflects the entanglement between academic research and industry, as my curiosity for quantum effects and enthusiasm for technology took me from research on quantum effects at ETH Zurich and MPQ Garching to become TOPTICA's Application Specialist for Quantum Technologies.

Author: Dr RITTER, Stephan (TOPTICA Photonics AG)

Presenter: Dr RITTER, Stephan (TOPTICA Photonics AG)

Session Classification: Quantum and Artificial Intelligence: New Jobs for Physicists in Emergent Industries

Track Classification: Quantum and Artificial Intelligence: New Jobs for Physicists in Emergent Industries