

In cooperation with

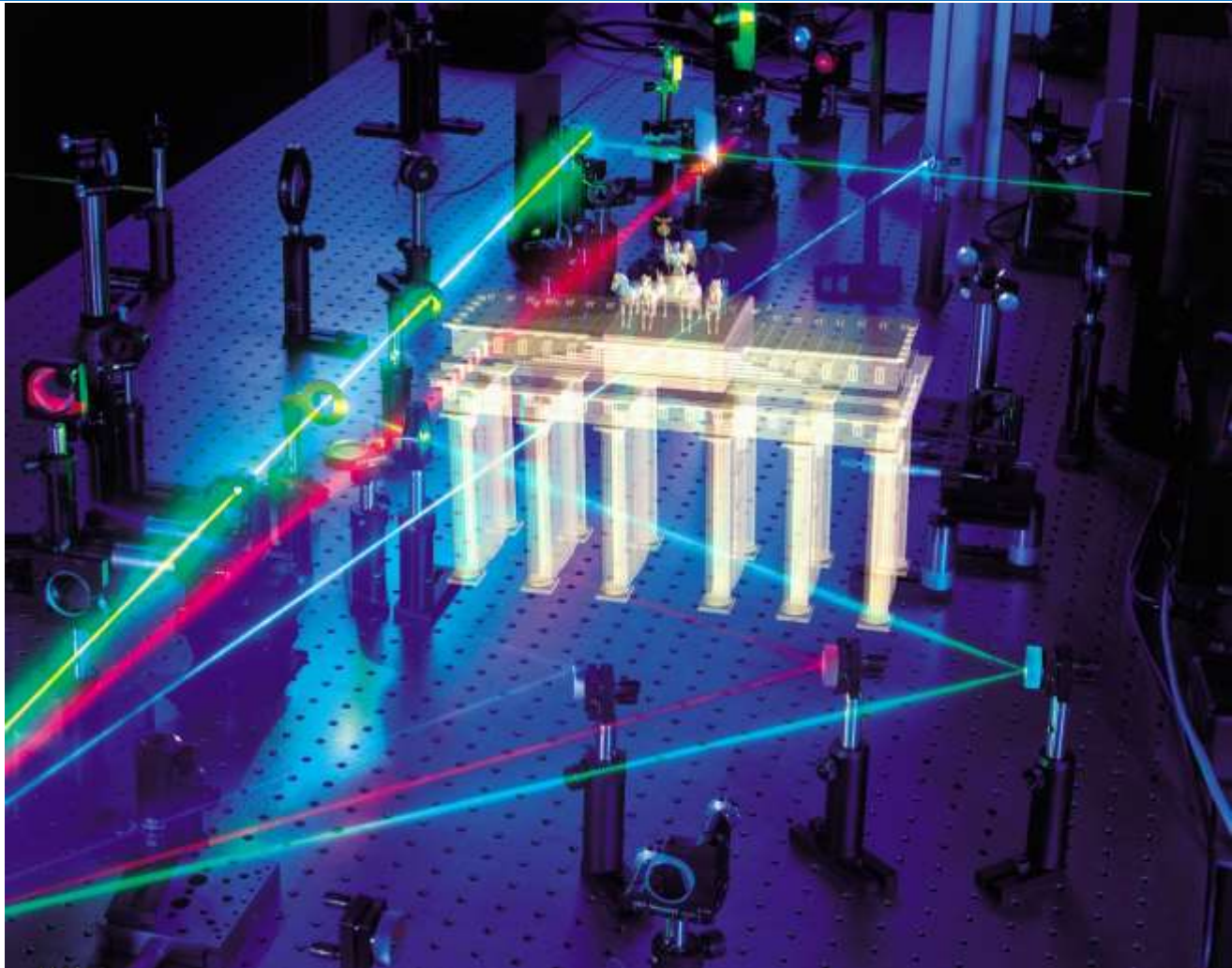


TQ Engineering



2026

Workshop: „New Photonics for Spectroscopy and Life Science“



This workshop aims to bring together companies and research institutions to discuss the latest photonics trends in spectroscopy and life science applications.

The aim is to stimulate a lively discussion about the requirements for light sources and related technologies, in order to develop new methods, processes and products in these use applications.

OpTecBB e.V.

Rudower Chaussee 25

12489 Berlin

Tel. 030 6392-1720

Date	Thursday, April 16th, 2026
Time	08:00 - 18:00 (from 08:00 Registration & Welcome Coffee)
Event Organizers	OpTecBB e.V. in cooperation with TQ Engineering
Target groups	Light source manufacturers, suppliers of key components, life science and spectroscopy equipment manufacturers, research institutions
Language	English
Venue	Physikalisch-Technische Bundesanstalt (PTB) Anna-von-Helmholtz-Bau (seminar room 105 + 106, 1.Floor) Entrance via Marchstraße/ Fraunhoferstraße
Address	Marchstraße 12, 10587 Berlin
Directions	Map: https://osm.org/go/0MZvggiek?node=12684646838 Public Transport: Bus, U-Bahn: Ernst-Reuter-Platz S-Bahn: Tiergarten or Zoologischer Garten Regional and long-distance trains: Berlin Zoologischer Garten Arrival by car: Marchstraße/Fraunhoferstraße, 10587 Berlin Parking in the surrounding streets (free of charge) or at Ernst-Reuter-Platz (subject to a charge) No parking spaces on the premises Public charging stations: coming from Ernst-Reuter-Platz just behind the Marchstraße bus stop or in Fraunhoferstraße in front of house no. 33-36
Event costs	Free of charge
Registration	As places for the Workshop are limited, we kindly ask you to register by April 1st, 6:00 p.m. at the latest. Please register here!



Agenda

- 08:00 - 08:30 Registration & Welcome Coffee
- 08:30 - 08:40 Opening Words, Dr. Adrian Mahlkow, [OpTecBB e.V.](#)
- 08:40 - 09:10 „LED optimization for life science applications with focus on medical endoscopy“, Hubert Ott, [Luminus Devices](#)
- 09:10 - 09:40 „Designing Light Systems for Specialized Luminance & Spectral Requirements“, Dr. Gerald Uhlenberg, [TQ Engineering GmbH](#)
- 09:40 - 10:10 „From Microring Resonators to Field-Deployable Biosensing“, Jakob Reck, [Fraunhofer HHI](#)
- 10:10 - 10:30 Coffee break
- 10:30 - 11:00 Welcome notes and „Magnetoencephalography using optical sensors“, Prof. Dr. Krüger, [Physikalisch-Technische Bundesanstalt \(PTB\)](#)
- 11:00 - 11:30 „From Photon to Insight: LED, Laser, & Imaging Components for Next-Generation Spectroscopy and Life Science“, Dr. Marc Krug, [JENOPTIK Optical Systems GmbH](#)
- 11:30 - 12:00 „Update on Fiber Optic Products for Industrial Spectroscopic Applications“, Alexander Novikov, [art photonics](#)
- 12:00 - 13:00 Lunch break
- 13:00 - 13:30 „Designing Scalable Optical Source Diagnostics for Spectroscopy and Life Science Applications“, Oliver Lischtschenko, [Coher Sense UG](#)
- 13:30 - 14:00 „From Concept to Application: Engineering the LED MULTILUX for Fluorescence and Multispectral Imaging“, Dr. Jörg Wagner, [LEJ GmbH](#)
- 14:00 - 14:30 „The opening question about a light source search for a chosen water quality instrument spec.“, Dr. Jan Wykhoff, [Hach Lange GmbH](#)
- 14:30 - 14:50 Coffee break
- 14:50 - 15:20 „Optical detection in liquid chromatography: challenges and advances“, Dr. Joanna Urban and Dr. Georg Achazi, [KNAUER](#)
- 15:20 - 15:50 „Caleidoscan Fluorescence Imaging in Multiplex-Analytics“, Dr. Werner Lehmann, [attomol Molekulare Diagnostika GmbH](#)
- 15:50 - 16:00 Closing remarks, Jürgen Müller, [TQ Engineering](#)
- 16:00 - 18:00 Networking with Beer and Pretzels & visiting "[BMSR2 - Der Berliner Magnetisch abgeschirmte Raum 2](#)"

In addition to interesting presentations and networking opportunities, food and beverages will be available during the Workshop.

We look forward to your participation and are happy to answer any questions you may have at any time! As places for the Workshop are limited, we kindly ask you to register by *April 1st, 6:00 p.m.* at the latest. Please register [here!](#)

Event Organizer/ Contact person:

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