8-10 October 2024
Paderborn, Germany

Quantum Photonics Spotlight 2024

Interdisciplinary Conference on Photonic Quantum Systems
Quantum Photonics Spotlight 2024 unites international experts from various fields of quantum photonics ranging from fundamental quantum theory to photonic quantum applications. With exchange on modelling, system design and technology as well as on quantum information and simulation, QPS2024 features highlights along the entire development chain of photonic quantum technologies.

“We want to establish a new conference format with the highest scientific standards - here in Paderborn, where quantum photonics research is at the cutting edge. Join us for the first Quantum Photonics Spotlight Conference and be part of our quantum photonics community meeting in Paderborn!”

Prof. Dr. Christine Silberhorn
Spokesperson of the Institute for Photonic Quantum Systems [PhoQS]
8–10 October 2024

Congress centre of the Heinz Nixdorf MuseumsForum (HNF)
33102 Paderborn

Registration (open May 2024) on conference website:
go.upb.de/qps2024

Dr. Benjamin Brecht
Group Leader „Quantum Networks“

Dr. Benjamin Hinrichs
Junior Research Group Leader „Mathematical Physics of Complex Quantum Systems“

Dr. Zahra Raissi
Junior Research Group Leader „Quantum Information“

Prof. Dr.-Ing. J. Christoph Scheytt
Section Owner „System and Circuit Technology“, Heinz Nixdorf Institut
Deputy Spokesperson of the Institute for Photonic Quantum Systems

Prof. Dr. Christine Silberhorn
Group Leader „Integrated Quantum Optics“
Spokesperson of the Institute for Photonic Quantum Systems

Prof. Dr. Jan Sperling
Group Leader „Theoretical Quantum Science“

Scientific Committee

Organizing Institution

The Institute for Photonic Quantum Systems (PhoQS) combines expertise and competencies in photonics and quantum research at Paderborn University – an important location for pioneering photonic quantum research. Thanks to proven experts in the fields of physics, mathematics, computer science, and electrical engineering, the required expertise to conduct fundamental research and put it into application are available.

qps@upb.de
### Spotlights

- Focus on interdisciplinarity as a key element for pioneering photonic quantum research
- Highest level of scientific excellence through invited-only talks
- High proportion of female scientists among the invited speakers
- Industry exhibition and presentations for efficient dialogue between science and industry
- Pre-conference workshop and school for young researchers
- Networking opportunity for young scientists including poster sessions and plenty of time for discussions
- Three full days of scientific exchange in the facilities of the world’s largest computer museum with first insights into the new exhibition on Quantum Computing

### Social Programme

- Public lecture and get-together on 7 October
- Conference Dinner on 9 October
Quantum Photonics Spotlight 2024 provides the unique opportunity of an intimate exchange with leading scientists from various fields of quantum photonics. Take the chance to network with potential customers as well as technology experts and benefit in the areas of sales, market research and product development.

Additional conference registrations can be booked for an extra charge. As an extra offer, platinum packages with requests exceeding the gold package can be realized.

Please note that places for exhibitors are limited – first come first served principle applies.