



INSTITUTE FOR PHOTONIC  
QUANTUM SYSTEMS

8-10 October 2024  
Paderborn, Germany

# Quantum Photonics Spotlight 2024

Interdisciplinary Conference on  
Photonic Quantum Systems



PADERBORN  
UNIVERSITY

# [QPS2024] Quantum Photonics Spotlight 2024



Prof. Dr. Christine Silberhorn  
Spokesperson of the Institute for Photonic  
Quantum Systems [PhoQS]

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!“***





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](https://go.upb.de/qps2024)

## Scientific Committee

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“



## 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](mailto: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



## [QPS2024] Information on Industry Exhibition


*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.**

	Gold	Silver
Exhibit space in industry area including display table and two chairs	•	•
Full conference registration	• •	•
Conference dinner included in conference registration	• •	
15-minute presentation slot during industry session	•	
Company logo and recognition on printed work of the conference	•	•
Company logo and link to company website from conference website	•	





**Institute for  
Photonic Quantum Systems (PhoQS)**

Paderborn University  
Warburger Straße 100  
33098 Paderborn  
<https://phoqs.uni-paderborn.de/en/>

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