Important dates

You are invited to send proposals for presentations with an abstract in pdf format including: title, names and affiliations of the authors, email address of the corresponding author and a summary of the content. The abstract is limited to 300 words plus one or two figures. The deadline for submission of the proposal is:

31st of January 2025.

Please submit your proposal to

Prof. Dr.-Ing. Georg Rademacher
Institute of electrical and optical communications
University of Stuttgart
Pfaffenwaldring 47, 70565 Stuttgart
photonic-networks@int.uni-stuttgart.de

The program committee will inform about the acceptance of the contribution by

7th of March 2025.

The final conference program will be distributed by end-March 2025. Participants receive the proceedings with the accepted papers at the conference on site.

Conference venue

Fraunhofer Institut für Nachrichtentechnik, Heinrich Hertz Institut
Science Tech Space @ HHI
Salzufer 15/16, 10587 Berlin

Conference language

All abstracts, presentations and poster shall be in English.

Organisation

VDE ITG Geschäftsstelle
Merianstraße 28, 63069 Offenbach
Tel. +49 69 6308 360/312
Fax: +49 69-6308 9821
itg@vde.com

Call for Contribution

Photonic Networks

26th VDE ITG Conference on Photonic Networks (PN 2025)

20. – 21. May 2025
Fraunhofer Heinrich Hertz Institut, Berlin

www.vde.com/pn

Deadline:
31st of January 2025

VDE ITG

VDE ITG

Invitation to the 26th VDE ITG conference „Photonic Networks"

The VDE ITG Technical committee KT 3 "Optische Nachrichtentechnik" and VDE ITG Working group KT 3.3 „Photonische Netze" organise the 26th VDE ITG conference "Photonic Networks" on

20th – 21st of May 2025

at Fraunhofer Heinrich Hertz Institute, Berlin

The conference will be held at the "Science Tech Space @ HHI", Salzufer 15/16, 10587 Berlin

About the conference

Optical fiber communications systems form the backbone of the global communication infrastructure. The ongoing digitalization of education, industry and leisure has led to an exponential increase in data rates in all areas of optical communications technology for many years, from short-distance connectivity within data centers and access networks to metro and long-distance connections.

The conference on photonic networks addresses all aspects of modern optical communications systems. It shall provide the opportunity for experts to exchange ideas and present works in all these interconnected disciplines. We welcome you to Berlin for two exciting and inspiring days!

Prof. Dr.-Ing. Georg Rademacher
Conference chair

Topics

We accept contributions covering the following topics:

- **WDM/SDM and high-speed optical transmission**
- **Components and (sub) systems for optical networks**
- **Robust and spectrally efficient modulation and coding**
- **400G+ Carrier-grade Ethernet**
- **Node architectures and technologies**
- **Optical communication systems for data centers, metro and access networks**
- **•Optical fixed-wireless access systems**
- **High-speed and coherent passive optical networks**
- **Optical solutions for 5G/6G**
- **Optical satellite and HAP-based communication**
- **Free-space optical communications**
- **Planning and layout of optical networks**
- **Network control and protection mechanisms**
- **Reliability and security/privacy**
- **Software-defined networking and network-function virtualization**
- **Multi-layer analysis and IP over WDM**
- **Cost assessment, energy efficiency and migration scenarios**
- **Optical environmental monitoring**
- **Quantum key distribution**

Contributions will be either accepted as oral or poster presentations, submitting authors can indicate a preference for either. Keynote as well as invited presentations will complement the program.

Contributions are expected to include a title, list of authors, up to 300-word abstract and one or two figures. A template will be provided on the conference website.

Pre-conference early career networking event

We coordinately invite early career researchers (students, post-docs, people identifying themselves as "young") to a networking reception on the evening of the 19th of May 2025. We asked attendees to indicate their interest in this event upon registration.

Conference dinner

We invite you to attend the conference dinner in the evening of the first conference day. The dinner will be give you ample opportunity for networking and to discuss you latest research with the experts in the field. Time and location will be announced during the conference. Further information can be obtained from the local organization committee.

Exhibition/poster presentation

There is a dedicated exhibition space for posters during the conference. There are also possibilities for show tables or product demonstrations, please contact the VDE conference organization for details.

A list of attendees, contact information and company logos will be published together with the online proceedings.

Local conference organization

Prof. Dr.-Ing. Georg Rademacher
photonic-networks@int.uni-stuttgart.de