

Important dates

You are invited to send proposals for presentations with an abstract in pdf format including: title, name and affiliations of the authors, email address of the contributor and a short summary of the contents in not more than 300 words. The deadline for the submission of the proposal is:

30th of January 2023.

Please submit your proposal to

Prof. Dr.-Ing. Christian-Alex. Bunge
Zschochersche Str. 69, D-04229 Leipzig
E-Mail: photonics-conference@htwk-leipzig.de

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

7th of March 2023.

PDF files of the print-ready full papers must be submitted by

27th of March 2023.

The final conference programme will be distributed by mid-March 2023. Participants receive the proceedings with the accepted papers at the conference start on site. A publication of all contributions on IEEEExplore is planned.

Conference venue

Hochschule für Technik, Wirtschaft und Kultur Leipzig
Zschochersche Str. 69, D-04229 Leipzig

More information on the location and can be found at:
<https://www.htwk-leipzig.de/fdit/>

Organisation

VDE ITG Geschäftsstelle
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Programme committee

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- Dipl.-Ing. Matthias Berger, II-VI
- Dr.-Ing. Dirk Breuer, Deutsche Telekom AG
- Prof. Dr.-Ing. Christian-Alexander Bunge, HTWK Leipzig
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- Dr. Bernhard Spinner, Infinera GmbH, München
- Prof. Dr.-Ing. Andreas Stöhr, Universität Duisburg-Essen
- Dipl.-Phys. Andreas Umbach, AUCCEPT Consulting GmbH
- Dr.-Ing. Dirk van den Borne, Juniper Networks
- Dr. Thomas Weidlich, s&p Beratungs- und Planungsgesellschaft mbH
- Prof. Dr.-Ing. Jeremy Witzens, RWTH Aachen University
- Prof. Dr.-Ing. Lars Zimmermann, IHP GmbH

Call for Contribution

Photonische Netze

24. VDE ITG Fachtagung

9. – 10. Mai 2023
Hochschule für Technik, Wirtschaft und Kultur Leipzig (HTWK)

www.vde.com/photonik-2023

Deadline:
30th of January 2023

Invitation to the 24th VDE ITG conference „Photonic Networks“

The VDE ITG Fachausschuss KT 3 „Optische Nachrichtentechnik“ and VDE ITG Fachgruppe KT 3.3 „Photonische Netze“ organise the 24th VDE ITG conference „Photonic Networks“ on

9th – 10th of May 2023

at the Shannon building, HTWK Leipzig, Faculty for digital transformation, Zschochersche Str. 69, 04229 Leipzig.

About the conference

Optical communication technologies and networks form an important fundament of our society. The internet would not be as powerful and ubiquitous as it is without it. The ever-increasing demand for higher transmission capacity – in long-haul communication as well as in metro and access networks – requires more performant, but also more complex transmission systems. Besides the impressive achievements in high-speed optical transmission links, aspects such as network management, flexible and elastic networks, the evolution of heterogeneous networks, fixed-mobile integration, optical solutions for next-generation mobile networks and satellite communication have become very busy research topics that form important parts of the optical infrastructure.

This conference on photonic networks addresses all these aspects of modern optical communication networks. It shall provide the opportunity for experts to exchange ideas and present works in all these interconnected disciplines. We welcome you in Leipzig for two interesting and inspiring days!

Prof. Dr.-Ing. Christian-Alexander Bunge
Conference chair

Topics

We accept contributions covering the following topics:

- **Components and (sub) systems for optical networks**
- **WDM/SDM and high-speed optical transmission**
- **Robust and spectrally efficient modulation and coding**
- **400G+ Carrier-grade Ethernet**
- **Node architectures and technologies**
- **Optical communication systems for data centres, metro and access networks**
- **Optical fixed-wireless access communication**
- **Optical solutions for 5G/6G**
- **Satellite and HAP-based communication**
- **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**

There will be several invited talks on current topics. Contributed presentations of 15 minutes are planned with subsequent discussions. Some contributions may be accepted as poster presentations.

- Contributions should be in English.
- The full papers should be 3 to 4 pages long. But longer articles are possible. Please adhere to the standard two-column IEEE conference template.
- A publication of the full papers on IEEE Xplore® is planned.
- Each presenter must be registered for each accepted paper. Reduced rates for presenters and students are available.

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 organisation for details.

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

Conference dinner

There will be a joint dinner in the evening of the first conference day. There will be time for further discussions making contacts and interesting chats. Time and location will be announced during the conference. Further information can be obtained from the local organisation committee.

Local conference organisation

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