

Press Release

Finally back in Germany – 27th International Semiconductor Laser Conference

In 2021, the renowned International Semiconductor Laser Conference (ISLC) will be held in Germany for the first time in nineteen years. The conference is scheduled 10 - 14 October in Potsdam. Submission of abstracts until 14 May 2021.

Berlin, December 18, 2020

The ISLC is dedicated to latest developments in semiconductor lasers, amplifiers and LEDs. It represents excellence from all global regions and in all areas of currently active semiconductor laser research. ISLC 2021 and the associated exhibition are organized by the Ferdinand-Braun-Institut, Berlin and supported by IEEE Photonics Society as technical sponsor.

A full list of topics and committees, including many confirmed laser legend, plenary and invited speakers as well as workshops on highly relevant topics is provided on the conference website www.islc2021.org. For updates, register via islc@fbh-berlin.de.

Proceedings: first call for papers

A two-page abstract of a conference paper can be submitted until 14 May 2021. Submission and registration on the website will open in April 2021.

All accepted and presented papers will be published on IEEE Xplore, adding to the more than 30 years of ISLC proceedings already available. The ISLC also gives authors the opportunity to submit an expanded version of their conference article to a special issue of IEEE Photonics Journal that will follow after the conference.

More about ISLC

The ISLC has more than 50 years of tradition, attended by a highly international audience and with locations cycling between the Americas, Asia/Australia and Europe/Mid-East/Africa regions every two years. Since its founding, many new and ground-breaking semiconductor devices have been first presented at this conference. The ISLC was last in Germany in 2002. The ISLC will take place, in person in Potsdam (preferred) or virtually, depending on the public health situation late in 2021.

Topics include: semiconductor optical amplifiers, silicon compatible lasers, VCSELs, photonic band-gap and microcavity lasers, grating controlled lasers, multi-segment and ring lasers, quantum cascade and interband laser, sub-wavelength scale nanolasers, mid IR and THz sources, InP, GaAs and Sb materials, quantum dot lasers, high power and high-brightness lasers, GaN and ZnSe based UV to visible lasers and LEDs, communications lasers, semiconductor integrated optoelectronics.



The press picture is available [here](#) for download.

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About the FBH

The Ferdinand-Braun-Institut, Leibniz-Institut fuer Hoechstfrequenztechnik (FBH) researches electronic and optical components, modules and systems based on compound semiconductors. These devices are key enablers that address the needs of today's society in fields like communications, energy, health, and mobility. Specifically, FBH develops light sources from the visible to the ultra-violet spectral range: high-power diode lasers with excellent beam quality, UV light sources and hybrid laser systems. Applications range from medical technology, high-precision metrology, and sensors to optical communications in space and integrated quantum technology. In the field of microwaves, FBH develops high-efficiency multi-functional power amplifiers, and millimeter wave frontends targeting energy-efficient mobile communications as well as car safety systems. The FBH has a strong international reputation and ensures rapid transfer of technology by working closely with partners in industry and research. The institute has a staff of 340 employees and a budget of 40.4 million euros. It is a member of the Leibniz Association and part of »Research Fab Microelectronics Germany«.

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