

FRAUNHOFER HEINRICH HERTZ INSTITUTE

PRESS RELEASE

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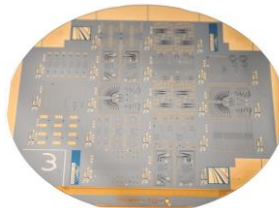
Fraunhofer HHI at OFC 2016, March 22-24 in Anaheim, USA

At the OFC Fraunhofer Heinrich Hertz Institute HHI presents its Photonic Integration Toolbox, InP Lasers for Integration into Silicon Photonics, PolyBoard and the LED based Optical Wireless Backhaul Link. Meet our experts at the booth 3013 on March 22-24 in Anaheim (California), United States.

You find the following highlights at our booth 3013.

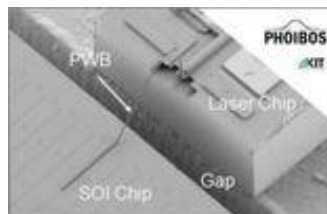
InP Foundry Services – Photonic Integration Toolbox

Design your own InP PIC with passives and actives on one substrate. You can choose from a range of proven building blocks e.g. 40 GHz receivers, 20 GHz transmitters, 1 dB/cm passive waveguides. Rx-type as well as Tx/Rx-type PICs are already commercially. Dedicated design and layout software is provided and packaging partners are available.



InP Lasers for Integration into Silicon Photonics – Optical Sources for Si-Photonics

Fraunhofer HHI provides DFB lasers, gain chips and SOAs with flip chip capability for hybrid integration on Si-Platforms. Single devices and arrays are offered for lateral and vertical coupling schemes. InGaAsP and InGaAlAs is used as active MQW layer and operating wavelengths range from 1270 nm to 1650 nm.



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PolyBoard Foundry Services

Fraunhofer HHI develops photonic components and integrated circuits according to customer needs and specifications. The PolyBoard technology platform allows for rapid prototyping, short iteration cycles and low upfront development effort. Fraunhofer HHI offers you a service package including simulation, CAD, technology development, device manufacturing, characterization, and qualification.



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LED based Optical Wireless Backhaul Link

Robust, low latency infrared LED link for mobile backhaul. Well suited for wireless point-to-point communication in industrial environments.



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The **Fraunhofer Heinrich Hertz Institute** is a world leader in the development of mobile and fixed broadband communication networks and multimedia systems. From photonic components and systems through fiber optic sensor systems to video coding and transmission, the Fraunhofer HHI works together with its international partners from research and industry. www.hhi.fraunhofer.de

The Fraunhofer-Gesellschaft is the leading organization for applied research in Europe. Its research activities are conducted by 66 institutes and research units at locations throughout Germany. The Fraunhofer-Gesellschaft employs a staff of nearly 24,000, who work with an annual research budget totaling more than 2 billion euros. Of this sum, around 1.7 billion euros is generated through contract research. More than 70 percent of the Fraunhofer-Gesellschaft's contract research revenue is derived from contracts with industry and from publicly financed research projects. International collaborations with excellent research partners and innovative companies around the world ensure direct access to regions of the greatest importance to present and future scientific progress and economic development.

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