Fraunhofer-Institute for Photonic Microsystems IPMS

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500 m

Hands-On Workshop Li-Fi
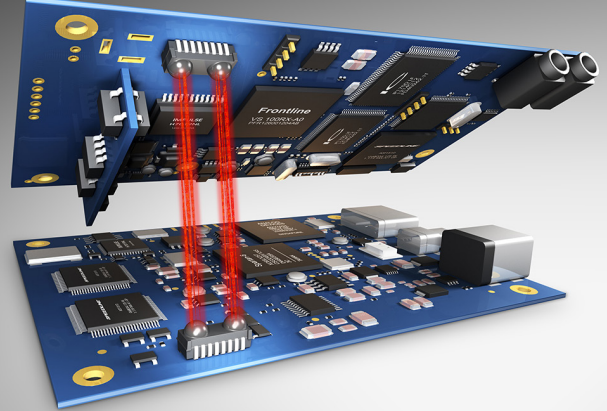## Wireless Data Transmission using Light

Dates 2020
Fr, 20th March | Fr, 15th May | Tue, 29th Sept

WIRELESS DATA TRANSMISSION WITH LIGHT

HANDS-ON WORKSHOP

Workshop content

Replace cable and connectors with optical data links and still transfer high rates of data? Wireless communication for industral applications through Li-Fi in real time transmission?
How this works and how this can be implemented best will be discussed in a one-day workshop to be held at Fraunhofer IPMS in Dresden.The workshop will focus on Li-Fi (light fidelity) technology developed by Fraunhofer IPMS. This new technology allows the wireless transfer of data through light. Understand the basics of Li-Fi technology and make your own experiments with Li-Fi hardware. Evaluate your own applications and find out which transmission distances and data rates are possible.

For whom?

The workshop is primarily geared toward company representatives who want to get an overview about possible applications using the Li-Fi technology. Own application scenarios can be examined and tested.

Registration fee

490 EUR (incl. food and drinks, excl. VAT)

Registration

http://s.fhg.de/2020-en-Li-Fi-Workshop

Contact

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Time	Programme
8.30	Reception
9.00	**Welcome** *Dr. Alexander Noack, Group Leader* *Optical Sensors & Communication, Fraunhofer IPMS*
9.15	**LiFi – Introduction to the Technology** *Dr. Alexander Noack, Group Leader* *Optical Sensors & Communication, Fraunhofer IPMS*
10.30	Coffee Break
10.45	**Demonstration and Hands-On Opportunity** Set-up link configuration (Point-to-point, Point-to-multipoint, multipoint-to-multipoint) Range and alignment measures Data rate measurements
12.00	Lunch
13.00	**Hands-On Opportunity & Discussion** Application scenarios Substitution solutions Added value
15.00	Goodbyes