

# Paderborn Photonics Lecture

## Prof. Dr. Jeremy Witzens

*Integrated Photonics, RWTH Aachen University*

**Date/Time:** 26.07.2017 / 16:15  
**Location:** Paderborn University  
Lecture Hall HS-A1



## Silicon Photonics in Communications and Sensing

### Abstract:

I will give an overview of Silicon Photonics activities at the RWTH Aachen. These include high-speed modulators, semiconductor comb laser based communication systems and transceiver integration, with a particular emphasis on short distance data center interconnects. I will also cover our work on silicon nitride photonic integrated circuits with applications in fluorescent sensing and multi-spectral fluorescent microscopy.

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