

TRR Guest Scientist Lecture / Seminar

Date/Time: 24.11.2016 / 2pm
Location: Paderborn, P8.4.09.



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Using silicon photonics for quantum and nonlinear optics

Abstract:

We are witnessing rapid growth of interest in integrated photonics, especially silicon photonics, which might improve communication and I will present examples of my group's research in these areas

- silicon photonics based photon-pair generation for quantum photonics.
- photonic circuits in hybrid silicon - lithium niobate,
- compact, low pump power wavelength conversion and tunable filtering

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