



Einladung

Es spricht: **Dr. Krzysztof Szczerba**

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Zeit: **Freitag, 04. März 2016, 10:00 Uhr**

Ort: **Technische Universität Berlin
Institut für Festkörperphysik
Hardenbergstraße 36, 10623 Berlin
Raum EW 561**

Thema: **„A system perspective on VCSEL based optical interconnects“**

Abstract:

High-speed optical interconnects in the datacenters and supercomputers are today nearly synonymous with vertical cavity surface emitting lasers (VCSELs). They enable high-speed operation at low cost and power consumption. Design of a communication system is however a more complicated matter, where trade-offs between the transmitter and receiver designs, data rates, energy consumption, link budgets, modulation and coding types have to be studied. The trade-offs will be the main subject of the seminar. Significant attention will be given to the effect of the system design on the overall energy consumption.

Gäste sind herzlich willkommen!
Das Graduiertenkolleg des Sfb 787