



## Einladung

Es spricht: **Daniel M. Kuchta**  
IBM T. J. Watson Research Center

Zeit: **Montag, 26. Februar 2016, 11:00 Uhr**

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

Thema: **„High Speed Optical Interconnect activities  
at the IBM T. J. Watson Research Center“**

### Abstract:

This talk will cover the use and application of directly modulated Vertical Cavity Surface Emitting Lasers (VCSELs), high speed direct detection receivers and multi-mode fiber within IBM's High Performance Computing (HPC) applications and recent research results for potential future systems. Topics will include packaging, advances in modulation performance to 71 Gb/s and 50 Gb/s high temperature operation to 90C, higher fiber bandwidth density using multi-core multimode fiber and Short Wavelength Division Multiplexing (SWDM) using extended window single fiber. Other topics will include photonic switching.

Gäste sind herzlich willkommen!  
Mitglieder der School of Nanophotonics