



## Einladung

Es spricht: **Dr. Petter Westbergh**

Department of Microtechnology and Nanoscience at  
Chalmers University of Technology, Sweden

Zeit: **Freitag, 12. Dezember 2014, 11:00 Uhr**

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

Thema: **„VCSEL Arrays for Short Range Multimode  
Multicore Fiber Interconnects“**

Abstract:

Vertical cavity surface-emitting laser (VCSEL) based multimode fiber interconnects are critical components in today's short range Datacom networks. A promising solution to meet upcoming demands for aggregate bit-rates exceeding 100 Gbit/s over a single fiber is the use dense two-dimensional VCSEL arrays butt coupled to the cores of a multimode multicore fiber (MCF). I will discuss recent results from Chalmers University of Technology where a 6-channel VCSEL array is employed to enable aggregate bit rates of 240 Gbit/s over an MCF.

Gäste sind herzlich willkommen!  
Doktoranden der School of Nanophotonics