



Einladung

Es spricht: **Prof. Dr. Weng W. Chow**

Sandia National Laboratories, Albuquerque, USA

Zeit: **Mittwoch, 02. November 2016, 10:15 Uhr**

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

Thema: **„High spontaneous-emission factor emitters:
from spontaneous emission and super-
radiance to lasing“**

Abstract:

Micro- or nano-cavities that can channel almost all emission (spontaneous and stimulated) into one cavity mode are nice experimental platforms for studying laser physics. A reason is that they further question our understanding of lasing action. This talk discusses a study performed on AlAs/GaAs micropillars containing InGaAs quantum dots. Analysis of spectrally-resolved photoluminescence and photon autocorrelation measured by Soeren Kreinberg (Group Reitzenstein) produces a physically definitive criterion for lasing that should be applicable to all systems.

Gäste sind herzlich willkommen!
Prof. Dr. M. Kneissl