



Einladung

Es spricht: **Dr. Alexander Uskov**

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Zeit: **Freitag, 23. Oktober 2015, 11:15 Uhr**

Ort: **Technische Universität Berlin
Institut für Festkörperphysik
Hardenbergstraße 36, 10623 Berlin
Raum EW 431**

Thema: **„Photoemission of electrons from plasmonic nanoantennas“**

Abstract:

At present, a boom of interest in the generation of hot photoelectrons in plasmonic nanostructures is occurring because photoemission of electrons from plasmonic nanoantennas can substantially enhance the electron photoemission from flat metal boundary. This effect can be used in optoelectronics (for instance, in order to the quantum efficiency of Schottky photo-detector), photochemistry, photoelectrochemistry and other in molecular electronics – in all areas of science and technology where the generation of hot photoelectrons and their subsequent utilization play a principal role.

Goal of the presentation is to give an introduction into physics of photoemission of electrons from metal nanoparticles.

Gäste sind herzlich willkommen!
Prof. Dr. D. Bimberg