



TRR 80 Seminar

Am Dienstag, den 2. Juni um 16:00 Uhr

spricht

Prof. Dr. Christian Heiliger

Justus-Liebig-Universität Gießen

über das Thema

Ab initio description of transport in nanostructures

In many technological applications nanostructures play an important role. Besides electronic transport also phonon transport is important for example in nanostructured thermoelectrics. Further, the smaller the structures the more issues arise with respect to waste heat. Therefore, also phonon transport in electronic nano-devices, for example in read heads in hard discs, gets more and more relevant. For a basic understanding and for further optimization a theoretical description of transport is a need. In this talk I will briefly discuss the hierarchy of transport models and show different examples for a full ab initio quantum mechanical treatment.

Gäste sind herzlich willkommen!

Der Vortrag findet im Seminarraum S-288 / Institut für Physik, Universität Augsburg statt.

Gastgeber: Prof. Dr. Ulrich Eckern
www.trr80.de