



Seminarankündigung

Dienstag, 11. Februar 2014

15:00 Uhr

WSI, Seminarraum S 101

“Understanding charge transport in graphene-based materials: From concepts to applications”

Abstract: We will present an overview of our current understanding of charge transport in complex forms of graphene (chemically reduced, polycrystalline graphene), based on theoretical inspection and extensive numerical simulations of realistic models of chemically and structurally disordered graphene. A high degree of predictability of material and device properties will be shown, opening new avenues for discovering novel transport phenomena, optimizing device performances or exploring new types of functionalities of graphene-based nanodevices

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