Julius-Maximilians-
UNIVERSITÄT
WÜRZBURG

Kolloquium der Physikalischen und Theoretischen Chemie

Dienstag, 10.02.2015 **Hörsaal D, Chemiezentralgebäude, 17:15 Uhr**

Sprecher: Alexander Högele

(LMU München)

Titel: Chiral excitons in low-dimensional materials

Abstract:

2015 is designated to be the International Year of Light and Light Based Technologies in recognition of the transformative impact photonics has had on science and society. Controlling light-matter interaction is fundamental for a wide range of applications including communication, energy harvesting, metrology, photo-chemistry and -catalysis. Traditionally, the materials of choice for photonics and optoelectronics have been II-V or III-V group semiconductor compounds and their heterostructures. Recently, 1D carbon nanotubes and atomically thin 2D transition metal dichalcogenides have emerged as alternative material platforms for optoelectronic applications. I will discuss our recent insight into the fundamentals of light-matter interaction in these low-dimensional photoactive materials.

Organisation: T. Hertel

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http://www.phys-chemie.uni-wuerzburg.de/startseite/veranstaltungen/