

Dienstag, 24.01.2012

Hörsaal D, Chemie Zentralbau, 17:15 Uhr

Sprecher: Maria Antonietta Loi
University of Groningen

**Thema: Photophysics and Opto-electronics
of organic-inorganic Hybrids**

Abstract: Hybrids Materials are attracting the attention of materials scientists who aspire to combine the properties of very different systems, organics and inorganics; inorganics and bio-materials with the aim of obtaining new properties or a sum of the best qualities of the components. A multitude of possible combinations and properties are available and new physical properties and applications, stemming from the unusual materials combinations, might be discovered studying these complex systems. Between the many available possibilities my group has largely investigated two different classes of hybrids; namely the one composed by carbon nanotubes and organic molecules [1] and by semiconducting nanocrystals and organic molecules [2]. I will discuss about the physical properties of few of these new systems and show how their properties can be exploited in the fabrication of opto-electronics devices.

Organisation: T. Hertel

Kontakt: Prof. Dr. Tobias Brixner, Institut für Physikalische und Theoretische Chemie,
brixner@phys-chemie.uni-wuerzburg.de

Weitere Informationen unter
<http://www.phys-chemie.uni-wuerzburg.de>