



# **Vortragsankündigung**

**- im Rahmen des UniCat-Kolloquiums -**  
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Es spricht: **Prof. Dr. Michael Giersig**, Freie Universität  
Berlin, Institute for Experimental Physics

Zeit: **Mittwoch, 22. April 2009 17:15 Uhr**

Ort: **TU Berlin**  
**Institut für Chemie, Altes Chemiegebäude**  
**Straße des 17. Juni 115**  
**10623 Berlin**  
**Raum C 243**

Thema: **Two dimensional nanostructures created  
by nanosphere Lithography for various  
application**

Abstract: Nanosphere lithography (NSL) is a relatively inexpensive and simple method for the production of large arrays of periodic well-ordered 2-D nanoparticles.  
In this lecture, our effort concerning the fabrication of various nanostructures different morphology and composition will be discussed. We will begin with general information about the NSL through simulations examples, showing possible nanostructures such as dots, holes and wires. We will then skip to our experimental results. All of these nanostructures are suitable for optical, magnetic and biomedical applications because of their nanosize, different morphology and composition .

Organisator: Prof. Dr. Peter Hildebrandt / Dr. Inez Weidinger (TUB)

Gäste sind herzlich willkommen!

Prof. Dr. Matthias Driß  
Sprecher des Exzellenz-Clusters UniCat