



**Promotionsprogramm  
„Neue Materialien mit maßgeschneiderten Eigenschaften“**

**Graduate Program  
“New Materials with Tailored Properties“**

**Seminar of the graduate students**

6th February 2007, 10:15 – 17:25

Room F142,  
Main Building University of Hannover  
Welfengarten 1, 30167 Hannover

***Program***

- 10:15 Prof. Dr. Buhl  
*Welcome*
- 10:20 Cui Jianfeng  
Non destructive metal analysis of minting dies from Northern Germany  
(17th and 18th centuries)
- 10:45 Aftab Ali Shaikh  
Laser Induced Foaming of Titanium Using Biocompatible Foaming Agents
- 11:10 Tapas Debnath  
Optical properties of  $\text{Na}_x\text{WO}_3$  bronzes
- 11:35 Sara Fanara  
Proton conduction and water diffusion in silicate glasses and melts
- 12:00 Tanja Höfs  
Thermal properties of  $\text{NaBH}_4$ -Sodalites
- Lunch*
- 13:00 Wojciech Iwaniak  
NMR and Impedance studies of Lithium Titanate

- 13:25 Florian Lovis  
Progress in Observing Coverage Fluctuations?
- 13:50 Roland Marschall  
Functionalized mesoporous SiO<sub>2</sub> as proton conducting materials
- 14:15 Elzbieta Mielcarek  
What is a geopolymer?
- 14:40 Maxym Myndyk  
Mössbauer spectroscopy of iron sulfides
- 15:05 Salvador Navarro  
Alkyl-polyamines as Structure Directing Agents in the Production of Porous Silica
- 15:30 Kay Schaper  
From Molecule to Solid State with MSINDO
- Short Break*
- 16:10 Cristian Alexandru Oprisoni  
High Frequency Investigation of Elastomer Properties
- 16:35 Marcus Ardian Santoso  
A New Approach to Investigate Thermal-Oxidation Ageing Process of Rubber Materials with Chemiluminescence
- 17:00 Xin Yang  
The influence of polymer structure to transport process of low molecular compound

*Note: Every student should give a talk of 20 minutes with about 5 minutes discussion. Talks can either be presented by using transparencies or as a Power Point presentation.*