

## Lecture: Solid State Optics (PD Dr. M. Hetterich, Dr. D. Schaadt)

### Talks for KSOP Students:

The presentations will be given on **February 04<sup>th</sup> and 11<sup>th</sup>**, respectively, according to the following schedule:

#### February 04<sup>th</sup> 2010, 3:45 pm, lecture hall: “Kleiner Hörsaal B” (as usual)

Supervisor	Topic	Name
Hetterich	Phonons in Alloys and Superlattices	George Brawley
Schaadt	Plasmonic Nanoscale Scattering to Enhance Performance of Photovoltaic and Photodetector Devices	Ali Graham
Schaadt	Birefringence in Distributed Bragg Mirrors	Tiemo Bückmann
Schaadt	Light-Emitting Diodes (LEDs)	Domenico D’Agostino

#### February 11<sup>th</sup> 2010, 3:45 pm, lecture hall: “Kleiner Hörsaal B” (as usual)

Supervisor	Topic	Name
Hetterich	VCSEL (Vertical-Cavity Surface-Emitting Lasers)	Omar Tanirah
Hetterich	Photoluminescence	Jae Han Lee
Hetterich	Cavity Polaritons	Jean-Christophe Blancon
Schaadt	Nitride-Based Quantum Dots	Golam Kibria Chowdhury
Schaadt	Quantum Dots on Prestructured Substrates	Shivakumar Hungund

The presentations (**12 min talk + 3 min discussion**) should be given **electronically** (e.g., using PowerPoint). A beamer / analogue cable is available. If possible, please use your own laptop for the presentation, otherwise, please contact your supervisor at least two days before the presentation for an alternative solution. If you have any further questions, please contact your supervisor as soon as possible, preferentially by E-Mail:

[michael.hetterich@kit.edu](mailto:michael.hetterich@kit.edu) or [daniel.schaadt@physik.uni-karlsruhe.de](mailto:daniel.schaadt@physik.uni-karlsruhe.de)

## Lecture Schedule till End of Semester

January 26 <sup>th</sup>	: Short lecture (~ half an hour)
January 28 <sup>th</sup>	: Lab tour (meeting point: lecture hall “Kleiner Hörsaal B”, 3:45 pm)
February 02 <sup>nd</sup>	: No lecture
February 04 <sup>th</sup>	: Presentations (part 1)
February 09 <sup>th</sup>	: No lecture
February 11 <sup>th</sup>	: Presentations (part 2)

## Important notes

- **The information provided above is preliminary! Please regularly check the lecture website for up to date information!!!**
- **Please do not forget to register electronically for your oral exam as soon as you know the exact date of the exam!!! The exams should be arranged with PD Dr. M. Hetterich via E-Mail as soon as possible and preferentially take place before end of February. If this is not possible, dates after mid of April are offered as an alternative.**