# Arbeitsgruppenseminar EMMS

Sommersemester 2017, Mittwochs 11:30-13:30 Uhr, N27 2.042 (Glaskasten)

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|---|---|---|
| **Mi 24.4.** | **Johannes Biskupek** | TEM on functionalized nanotubes |
| **Di 9.5.** | **Johannes Biskupek**<br>**Felix Börrnert**<br>**Michael Kinyanjui** | PICO 2017 Report<br><br>Grenoble 2D Conference Report |
| **Mi 17.5.** | **Jannis Köster**<br>**Ute Kaiser** | Towards understanding of the dynamics of defects in TMDs<br>Report MRS Phönix 2017 and Hungarian MC 2017 |
| **Di 23.5.** | **Haoyuan Qi**<br>**Robert Leiter** | Characterization of Nickelate-based Short-Period Superlattices using TEM<br>Start of PhD thesis on 2D materials, first results |
| **31.5.** | **Felix Börrnert**<br><br><br>**Michael Kinyanjui** | State of the art graphene/Li project and molecule deposition project<br>Paper discussion: Electron source brightness and illumination semi-angle distribution measurement in TEM<br><br>Paper discussion:  Interactions of electron beam generated chalcogen point defects with the charge density wave in $1T\text{-}TaS_2$ and $1T\text{-}TaSe_2$ |
| **14.6.** | **Yueliang Li** | The weak beam DF method on the example of AlBGaN |
| **19.-21.6** | **Michael Mohn**<br>**Michael Kinyanjui**<br>**Kecheng Cao**<br>**Zhongbo Lee**<br>**Harald Rose**<br>**Tibor Lehnert**<br>**Felix, Johannes**<br>**Haoyuan Qi** | EFTEM on layered materials<br>Momentum-resolved EELS on layered materials<br>What we can learn from the interaction of Me-atoms in CNTs<br>Towards phase contrast STEM experiments<br>Non-linear imaging<br>Towards understanding radiation damage in MoSe2, MoS2 and WS2<br>SALVE Instrumentation<br>TEM on 2D polymer crystals |
| **28.6.** | **Fredrick Bräuer**<br>**Janis Köster** | Master thesis intermediate report: Graphene liquid cell studies<br>Master thesis intermediate report: Defects in 2D materialsMoTe$_2$ and NbSe$_2$ |
| **5.7.** | **Dorin Geiger**<br>**Manuel Mundzinger**<br>**Louis  Arguelles** | Study on Battery Materials in HRTEM<br>Slicing view on graphitic anode materials-Start of Master Thesis |
| **18.7.** | **Julian Renner**<br>**David Fürst**<br>**Baokun Liang** | Master thesis Report: Towards understanding CTF and  imaging TMVs<br>Momentum-resolved EELS - Sstart of master thesis<br>CDW/PLD - Start of PhD thesis |