
# PhD and Postdoc Meeting
# Berlin 2018
### 24–25th September

## FOR1700

https://www.atomicwires.de

## Meeting location

Technische Universität Berlin
Institut für Festkörperphysik
Hardenbergstrasse 36, 10623 Berlin
Raum EW 561

## Accomodation

Arktur City Hotel
Otto-Suhr-Allee 74, 10585 Berlin
https://arktur-hotel.de

## Dinner

Trattoria a´ Muntagnola
Fuggerstrasse 27, 10777 Berlin
http://www.muntagnola.de/

## Organization

Julian Plaickner
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| Monday, 24th September 2018 | | |
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| 13:45 | **Get together** | |
| 14:00 | Kris Holtgrewe *(Universität Gießen)* | Why are rare earth silicide nanowires stable? |
| 14:30 | Jascha Bahlmann *(Universität Osnabrück)* | SPA-LEED investigations of quasi one-dimensional dysprosium silicide structures on Si(001) |
| 15:00 | Stephan Appelfeller *(TU Berlin)* | Co silicide nanostructures on planar and vicinal Si(111) |
| **15:30** | **Coffe Break / Discussions** | |
| 16:00 | Monika Jäger *(Universität Hannover)* | Structural and electronic properties of Tin nanowires on vicinal Si(111) |
| 16:30 | Abdul Samad Syed *(Universität Duisburg)* | Strong linear Dichroism in Pb/Si(111) |
| 17:00 | Christian Brand *(Universität Duisburg)* | Spin-Orbit interaction in Low-Dimensional Electron Gases of Anisotropic Atomic Layers of Pb on Si surfaces |
| 19:00 | **Conference Dinner** | |

| Tuesday, 25th September 2018 | | |
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| 9:00 | Bernd Hafke *(Universität Duisburg)* | Temperature-dependent order-disorder transition in the Si(553)-Au nanowire system |
| 9:30 | Frederik Edler *(Universität Hannover)* | Phase transition of Au/Si(553) measured by transport experiments |
| 10:00 | Julian Plaickner *(ISAS Berlin)* | Functionalization of Si(553)-Au with hydrogen, studied by Raman spectroscopy |
| **10:30** | **Coffe Break / Discussions** | |
| 11:00 | Michael Tzschoppe *(Universität Heidelberg)* | Interaction between organic molecules and atomic Au-wires on vicinal silicon, studied by infrared spectroscopy |
| 11:30 | Zamin Mamiyev *(Universität Hannover)* | Plasmon spectroscopy: robust metallicity of Au induced wires on Si(557) upon oxidation |
| 12:00 | Anas Abdelwahab *(Universität Hannover)* | Quantum phases of a spinless fermion narrow ladder model for atomic wires on semiconducting substrates |
| **12:30** | **Closing Remarks** | |