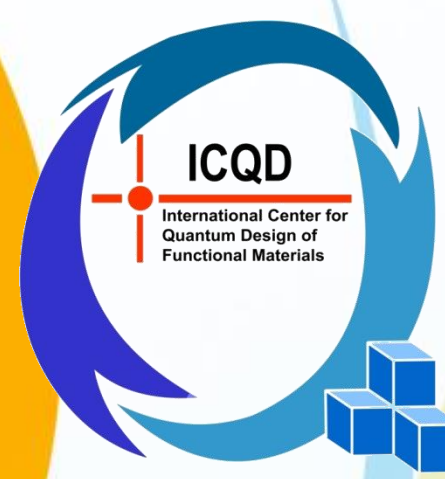




HFNL



ICQD

ICQD Young Scientists' Forum on Quantum Matters: From Predictive Design to Materialization

May 12, 2016

HFNL Exhibition Hall (微尺度一楼科技展厅)

Organizing Chair: Zhenhua Qiao (USTC)

Scientific Advisors: Zhenyu Zhang & Jinlong Yang (USTC)

Sponsors: International Center for Quantum Design of Functional Materials (ICQD)
CAS Key Laboratory of Strongly-Coupled Quantum Matter Physics

- 09:00-09:10 Jinlong Yang & Zhenyu Zhang (USTC)
Welcome remarks
Chair: Zhenhua Qiao (USTC)
- 09:10-09:45 Hongming Weng (Institute of Physics, CAS)
拓扑半金属材料预言
- 09:45-10:20 Youqi Ke (ShanghaiTech University)
Disorder induced device-to-device variability in nanoelectronics from first principles
- 10:20-10:40 **Coffee break & Photo time**
Chair: Hualing Zeng (USTC)
- 10:40-11:15 Gan Wang (SUSTC)
拓扑异质结的外延生长和物性调控
- 11:15-11:50 Wenguang Zhu (USTC)
Prediction of 2D van de Waals ferroelectric materials
Chair: Shengyong Qin (USTC)
- 14:00-14:35 Haizhou Lu (SUSTC)
拓扑半金属量子输运理论
- 14:35-15:10 Wei Ji (Renmin University of China)
二维材料层间耦合机制与调控
- 15:10-15:45 Yue Zhao (SUSTC)
Creating and Exploring Graphene Electron Optics with Local Probes
- 15:45-16:05 **Coffee break**
Chair: Jin Zhao (USTC)
- 16:05-16:40 Junfeng Dai (SUSTC)
过渡金属硫族化合物二维材料光电性质的研究
- 16:40-17:15 Haijun Zhang (Nanjing University)
Ideal Weyl Semimetals
- 17:15-17:50 Hongtao He (SUSTC)
拓扑绝缘体及狄拉克半金属磁输运性质研究
- 17:50-18:00 Changgan Zeng (USTC)
Concluding remarks