

NCTS 1-day Tutorial on Wannier functions

Aug. 9, 2018, Room 833, Condensed Matter & New Physics Building, National Taiwan University

Lecturers

Prof. Hsin Lin (Institute of Physics, Academia Sinica)

- Introduction to the tight-binding formalism
- Slater-Koster two-center approximation
- Band unfolding
- Surface states and Green function method

Prof. Tay-Rong Chang (Department of Physics, National Cheng Kung University)

- DFT Wannierization (VASP+Wannier90)
- Choice of basis set and energy window
- Validation of material-specific tight-binding Hamiltonians

Contact

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Registration Deadline: 2018/8/7