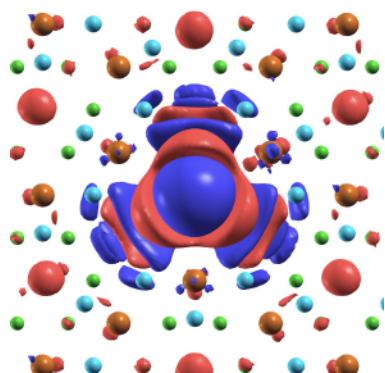


ISS2018

The International Summer workShop 2018 on First-Principles Electronic Structure Calculations



DATE

The Summer School on DFT: Theories and Practical Aspects
[July 2nd - 6th]

The 3rd OpenMX developer's meeting [July 9th and 10th]

Advanced Lecture Series [July 11th and 12th]

VENUE

The Institute for Solid State Physics (ISSP)
at The Univ. of Tokyo Kashiwa Campus



The summer workshop will aim at providing a notable opportunity to students and young researchers who wish to deeply learn fundamentals of electronic structure theories and its advanced applications. In addition to the first two programs "The Summer School on DFT" and "The 3rd OpenMX developer's meeting", the third program "The Advanced Lecture Series" will highlight the current status of first-principles electronic structure calculations and may indicate a future direction of the field.

Program Topics

- Density functional theories
- Strongly correlated systems
- Quantum Monte Carlo
- Topological materials
- Electrochemical systems
- Electronic transport calculations
- Electronic excitations
- OpenMX development
- Hands-on introduction of OpenMX

Invited Speakers for "Advanced Lecture Series"

Xi Dai (Hong Kong Univ. of Sci. and Tec.)

Paul R. Kent (ORNL)

Fumiyasu Oba (Tokyo Inst. of Tech.)

Tuan Anh Pham (LLNL)

David Prendergast (LBNL)

Eric L. Shirley (NIST)

Terumasa Tadano (NIMS)

Takao Tsuneda (Univ. of Yamanashi)



Registration Deadline

Who need VISA: May 7th (Mon)

Who do not need VISA: May 18th (Fri)

The abstract Submission: June 8th (Fri)

Regular participants are requested to make a registration on the web. Please send your research proposal that you are going to perform in the summer school or you are planning to perform in near future.

A limited number of participants, which might be eight participants, will be selected based on the submitted research proposal, and financial support including airfare and accommodation fee during the participation of the summer school will be provided for the participants. The result of selection will be informed to all the applicants within a week after the deadline.

ISS2018 HP at <https://t-ozaki.issp.u-tokyo.ac.jp/ISS18/>

Please contact us for more details via iss2018@issp.u-tokyo.ac.jp

