# Cohomology Theory of Finite Groups and Related Topics

Organizers:  Akihiko Hida (Saitama University)
Masaki Kameko (Shibaura Institute of Technology)

February 16-18, 2022 (Online via Zoom)
Research Institute for Mathematical Sciences, Kyoto University, JAPAN

## Program

### Wednesday, February 16

13:30-14:20  Fumihito Oda (Kindai University)
Homomorphisms from crossed Burnside rings to centers of group algebras

14:30-15:20  Shigeto Kawata (Nagoya City University)
On Knörr lattices and tensor products

15:30-16:30  Discussion

### Thursday, February 17

9:30-10:20  Nobukatsu Watanabe (Tokyo University of Science)
On properties of Brauer-friendly modules and slash functors

10:30-11:20  Nobuo Iiyori (Yamaguchi University), Masato Sawabe (Chiba University)
$d$-covers of posets of nilpotent subgroups

11:30-12:30  Discussion

13:30-14:20  Ryotaro Koshio (Tokyo University of Science), Yuta Kozakai (Tokyo University of Science)
On two-term tilting complexes and simple-minded collections over blocks of finite groups under vanishing conditions of the 2nd group cohomology

14:30-15:20  Masao Kiyota (Tokyo Medical and Dental University)
Harada conjecture and the isoclinism of groups

15:30-16:30  Discussion

**Friday, February 18**

9:30-10:20　Shigeo Koshitani (Chiba University)
Splendid Morita equivalences of principal blocks of finite groups whose Sylow 2-subgroups are semi-dihedral

10:30-11:20　Masaki Kameko (Shibaura Institute of Technology)
On conjectures of Kono and Yagita

11:30-12:10　Hiroki Sasaki (Hokkaido University)
On transfers maps on cohomlogy rings and source algebras of block ideals

12:10-12:40　Discussion


13:30-14:20　Taro Sakurai (Chiba University)
Invariants and a reduction for the modular isomorphism problem

14:30-15:20　Takahiko Furuya (Meikai University)
Auslander-Reiten translation in a category of monomorphisms and epimorphisms

15:30-16:30　Discussion