RIMS Workshop

Cohomology Theory of Finite Groups and Related Topics

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

February 13-15, 2019
Research Institute for Mathematical Sciences, Kyoto University, JAPAN

Program

Wednesday, February 13

13:30-14:10 Taro Sakurai (Chiba University)
Some remarks on the modular isomorphism problem

14:20-15:00 Takahiko Furuya, Masashi Yamauchi (Meikai University)
Non-semiregular Auslander-Reiten components of an Artin algebra

15:20-16:00 Ayako Itaba (Tokyo University of Science)
Graded Morita equivalences for Frobenius Koszul algebras and symmetric algebras

16:10-16:50 Hyohe Miyachi (Osaka City University)
Hochschild cohomology and dominant dimension

Thursday, February 14

10:00-10:50 Masaki Kameko (Shibaura Institute of Technology)
The mod 3 cohomology ring of the finite projective general linear group of degree 3

11:00-11:50 Katsuhiko Kuribayashi (Shinshu University)
On the BV operator and the whistle cobordism operator in string topology of classifying spaces

13:30-14:10 Nobuaki Yagita (Ibaraki University)
Relations between $H^*(BG)$ and $CH^*(G/T)$

14:20-15:00 Nobuo Iiyori (Yamaguchi University), Masato Sawabe (Chiba University)
Homology of the complex of all non-trivial nilpotent subgroups of a finite non-solvable group

15:20-16:00 Yoshihiro Otokita (Chiba University)
Loewy series of centers of modular group algebras

16:10-16:50 Shigeto Kawata (Nagoya City University)
On almost split sequences of Scott modules and tensor products

Friday, February 15

10:00-10:50 Hiroki Sasaki (Shinshu University)
Module structures of source algebras of block ideals

11:00-11:50 Yugen Takegahara (Muroran Institute of Technology)
On the multiplicative structure of the monomial Burnside rings

13:30-14:10 Akihiko Hida (Saitama University), Masao Kiyota (Tokyo Medical and Dental University)
Character degrees and class lengths in p-blocks of some finite groups

14:20-15:00 Takao Hayami (Hokkai-Gakuen University)
On Hochschild cohomology ring of the integral group ring of split metacyclic groups