

The 73rd Topology Symposium

August 18 (Tue)– 21 (Fri), 2026

Venue: Bunkyo-cho Campus, Hirosaki University
1 Bunkyo-cho, Hirosaki-shi, Aomori, 036-8560, Japan

Program

August 18th (Tuesday)

- 14:40–15:40 Naohiko Kasuya (Hokkaido University)
Classification of orientable torus bundles over closed orientable surfaces
- 16:00–17:00 Naoko Kamada (Nagoya City University)
Virtual knots and generalized knots

August 19th (Wednesday)

- 9:30–10:30 Masaki Taho (University of Tokyo)
Various notions of tangent spaces in diffeology
- 10:50–11:50 Tatsuya Horiguchi (National Institute of Technology, Akashi College)
Coordinate rings of regular semisimple Hessenberg varieties and cohomology rings of regular nilpotent Hessenberg varieties
- 11:50–13:30 Lunch
- 13:30–14:30 Special Lecture: Nariya Kawazumi (University of Tokyo)
Loop operations, framings and the mapping class group of a surface
- 14:50–15:50 Yichen Tong (Westlake University)
Chromatic structure in the fundamental groups of directed graphs
- 16:10–17:10 So Yamagata (Fukuoka University)
On the categorification of polynomials in matroids

August 20th (Thursday)

- 9:30–10:30 Ryoya Kai (Nara University of Education)
On geometric invariants for quandles
- 10:50–11:50 Katsuhisa Koshino (Kanagawa University)
Geometry of spaces of metrics
- 11:50–13:30 Lunch
- 13:30–14:30 Special Lecture: Koya Shimokawa (Ochanomizu University)
Topology of structures formed by molecules: Polycontinuous patterns and polyhedral links
- 14:50–15:50 Kento Sakai (University of Tokyo)
Large-scale geometry of electric Teichmüller spaces and k -multicurve graphs

16:10–17:10 Kenta Hayano (Keio University)

$\mathcal{K}[G]$ -classification and constraint qualification for constraints in optimization (Joint work with Naoki Hamada (CyberAgent Inc.) and Hiroshi Teramoto (Kansai University))

August 21st (Friday)

9:30–10:30 Mai Katada (University of Tokyo))

Quasi-cellular categories and the structure of the Brauer category

10:50–11:50 Mikami Hirasawa (Nagoya Institute of Technology)

Alexander polynomials of knots and links, arithmetic progressions and persistently Salem polynomials (Joint work with Kunio Murasugi)

Organizers: Minoru Yamamoto (Hirotsuki University), Takuya Sakasai (University of Tokyo), Takeshi Torii (Okayama University).