Program (Toric Topology 2021 in Osaka)

Time (Osaka, Seoul/ Shanghai/ Chennai/ Moscow/ Rennes/ St.John's/ Toronto)

March 24th (Wednesday)

9:00–9:30/8:00–8:30/5:30–6:00/3:00–3:30/1:00–1:30/21:30–22:00 (23rd)/20:00–20:30 (23rd)
Yunhyung Cho (Sungkyunkwan University)
On string polytopes I

9:40–10:10/8:40–9:10/6:10–6:40/3:40–4:10/1:40–2:10/ 22:10–22:40 (23rd)/20:40–21:10 (23rd)
Lee, Eunjeong (IBS-CGP)
On string polytopes II

10:20–10:50/9:20–9:50/6:50–7:20/4:20–4:50/2:20–2:50/ 22:50–23:20 (23rd)/21:20–21:50 (23rd)
Taekgyu Hwang (Ajou University)
The Gromov width of toric manifolds associated with graphs

11:00–11:30/10:00–10:30/7:30–8:00/5:00–5:30/3:00–3:30/ 23:30–00:00 (23rd)/22:00–22:30 (23rd)
Tatsuya Horiguchi (OCAMI)
Hessenberg varieties and toric orbifolds

Break (1.5 hour)

13:00–13:30/12:00–12:30/9:30–10:00/7:00–7:30/5:00–5:30/ 1:30–2:00/23:30–00:00 (23rd)
Takahito Naito (Nippon Institute of Technology)
The rational string coproduct and the Hodge decomposition

13:40–14:10/12:40–13:10/10:10–10:40/7:40–8:10/5:40–6:10/ 2:10–2:40/00:10–00:40
Hiroaki Ishida (Kagoshima University)
Strong cohomological rigidity problem of a Hirzebruch surface bundle

14:20–14:50/**13:20–13:50**/10:50–11:20/8:20–8:50/6:20–6:50/ 2:50–3:20/00:50–01:20
Jingfang Lian (Fudan University)
The alpha invariant of twisted Milnor hypersurfaces

15:00–15:30/14:00–14:30/11:30–12:00/9:00–9:30/7:00–7:30/ 3:30–4:00/01:30–02:00
Seonjeong Park (Jeonju University)
Cohomological rigidity on Fano generalized Bott manifolds

15:40–16:10/**14:40–15:10**/12:10–12:40/9:40–10:10/7:40–8:10/ 4:10–4:40/02:10–02:40
Haozhi Zeng (Huazhong University of Science and Technology)
On Fano and weak Fano regular semisimple Hessenberg varieties

16:20–16:50/15:20–15:50/12:50–13:20/10:20–10:50/**8:20–8:50**/ 4:50–5:20/02:50–03:20
Mathieu Vallee (Universite de Rennes 1 and Ajou University)
Toward the classification of (real) toric manifolds of Picard number 4

March 25th (Thursday)

9:00–9:30/8:00–8:30/5:30–6:00/3:00–3:30/1:00–1:30/21:30–22:00 (24th)/**20:00–20:30 (24th)**
Ivan Limonchenko (University of Toronto)
On the secondary cohomology of moment-angle complexes

9:40–10:10/8:40–9:10/6:10–6:40/3:40–4:10/1:40–2:10/ 22:10–22:40 (24th)/20:40–21:10 (24th)
Jongbaek Song (KIAS)
Homotopy classification of 4-dimensional toric orbifolds

10:20–10:50/9:20–9:50/6:50–7:20/4:20–4:50/2:20–2:30/ 22:50–23:20 (24th)/21:20–21:50 (24th)
Hiraku Abe (Okayama University of Science)
On the integral cohomology ring of the Peterson variety

11:00–11:30/**10:00–10:30**/7:30–8:00/5:00–5:30/2:40–3:10/ 23:30–00:00 (24th)/22:00–22:30 (24th)
Chen He (North China Electric Power University)
Equivariant formality of isotropy action on a homogeneous space with rank difference one

Break (1.5 hour)

13:00–13:30/12:00–12:30/9:30–10:00/7:00–7:30/5:00–5:30/ 1:30–2:00/23:30–00:00 (24th)
Daisuke Kishimoto (Kyoto University)
Tverberg's theorem for cell complexes

13:40–14:10/12:40–13:10/**10:10–10:40**/7:40–8:10/5:40–6:10/ 2:10–2:40/00:10–00:40
Soumen Sarkar (Indian Institute of Technology Madras)
Generalized equivariant cohomology theory of weighted Grassmanns

14:20–14:50/**13:20–13:50**/10:50–11:20/8:20–8:50/6:20–6:50/ 2:50–3:20/00:50–01:20
Li Cai (Xi'an Jiaotong Liverpool University)
On the presentations of the commutator subgroup of a right-angled Coxeter group

15:00–15:30/**14:00–14:30**/11:30–12:00/9:00–9:30/7:00–7:30/ 3:30–4:00/01:30–02:00
Lisu Wu (Fudan University)
Orbifold Stiefel-Whitney classes of right-angled Coxeter orbifolds

15:40–16:10/**14:40–15:10**/12:10–12:40/9:40–10:10/7:40–8:10/ 4:10–4:40/02:10–02:40
Qifan Shen (Fudan University)
Lower bound for Buchstaber invariants of real universal complexes

16:20–16:50/15:20–15:50/12:50–13:20/**10:20–10:50**/8:20–8:50/ 4:50–5:20/02:50–03:20
Anton Ayzenberg (Higher School of Economics)
Clique complexes of multigraphs

March 26th (Friday)

9:00–9:30/8:00–8:30/5:30–6:00/3:00–3:30/1:00–1:30/**21:30–22:00 (25th)**/20:00–20:30 (25th)
Tom Baird (Memorial University of Newfoundland)
GKM-sheaves and equivariant cohomology

9:40–10:10/8:40–9:10/6:10–6:40/3:40–4:10/1:40–2:10/ 22:10–22:40 (25th)/20:40–21:10 (25th)
Masahiro Takeda (Kyoto University)
Poincaré series of the spaces of commuting elements

10:20–10:50/9:20–9:50/6:50–7:20/4:20–4:50/2:20–2:50/ 22:50–23:20 (25th)/21:20–21:50 (25th)
Hitoshi Yamanaka (Naruto University of Education)
On the sign ambiguity in the equivariant cohomological rigidity for GKM graphs

11:00–11:30/10:00–10:30/7:30–8:00/5:00–5:30/3:00–3:30/ 23:30–00:00 (25th)/22:00–22:30 (25th)
Tomoo Matsumura (ICU)
Stability of Schubert varieties and Bott-Samelson resolutions

Break (1.5 hour)

13:00–13:30/12:00–12:30/9:30–10:00/7:00–7:30/5:00–5:30/ 1:30–2:00/23:30–00:00 (25th)
Donghoon Jang (Pusan National University)
Circle actions on almost complex manifolds with isolated fixed points

13:40–14:10/12:40–13:10/**10:10–10:40**/7:40–8:10/5:40–6:10/ 2:10–2:40/ 00:10–00:40
Uma Vikraman (Indian Institute of Technology Madras)
The equivariant cohomology ring of $T^*(\mathbb{C}^n)$-modelled GKM graphs

14:20–14:50/**13:20–13:50**/10:50–11:20/8:20–8:50/6:20–6:50/ 2:50–3:20/ 00:50–01:20
Alastair Darby (Xi'an Jiaotong Liverpool University)
Pontryagin-Thom Construction

(Cancel)
Grigory Solomadin (Nikolskii' Mathematical Institute RUDN)
Complex Adams invariants of sphere bundles associated to complex vector bundles over U-framed quasitoric manifolds

15:00–15:30/14:00–14:30/11:30–12:00/**9:00–9:30**/7:00–7:30/ 3:30–4:00/ 01:30–02:00
Taras Panov (Moscow State University)
SU-bordism: geometric representatives, operations, multiplications and projections