

## Branched Coverings, Degenerations, and Related Topics 2017

2017. 3. 7 (Tue) – 11 (Sat)

Tohoku Gakuin University, Tagajo Campus, Building 1, 3rd floor, 2nd conference room

Organizers: Y. Matsumoto, T. Ashikaga, M. Sakuma, H. Tokunaga, I. Shimada

### 7 March (Tue)

**14:30–15:30** Kenta Hayano (Keio)

Topology of holomorphic Lefschetz pencils on the four-torus

**16:00–17:00** Noriyuki Hamada(Univ. of Tokyo)

An example of genus-2 smallest Lefschetz fibration and pencil

### 8 March (Wed)

**9:40–10:40** Michael Lönne (Bayreuth Univ.)

A Thom Sebastiani principle for braid monodromy and divisor knot group, I

**11:00–12:00** Tadashi Tomaru(Gumma)

Some results on cyclic coverings over normal surface singularities

**13:20–14:20** Takahiro Oba(Tokyo Institute of Technology)

Non-isomorphic higher-dimensional Lefschetz fibrations over the disk

**14:40–15:40** Cheng Gong(Soochow Univ.)

Classification of Belyi families of curves with two singular fibers

**16:00–17:00** Poster session

### 9 March (Thu)

**9:40–10:40** Sheng-Li Tan (East China Normal Univ.)

Fibrations and differential equations on an algebraic surface

**11:00–12:00** Michael Lönne (Bayreuth Univ.)

A Thom Sebastiani principle for braid monodromy and divisor knot group, II

**13:20–14:20** Takayuki Okuda(Univ. of Tokyo)

Degenerations of propeller surfaces and sequences of splittings

**14:40–15:40** Xiao-Lei Liu (Dalian Univ. of Technology)

Modular invariants of families of curves

**16:00–17:00** Takeshi Nosaka(Kyushu)

On the fundamental 3-classes of knot group representations

**18:00–** Party

**10 March (Fri)**

(The room changes to Building 5, 1st floor, 511 on this day)

**9:40—10:40** Alex Degtyarev (Bilkent Univ.)

Smooth models of singular K3-surfaces, I

**11:00—12:00** Sheng-Li Tan (East China Normal Univ.)

Fibrations and differential equations on an algebraic surface

**13:20—14:20** Taketo Shirane (National Institute of Technology, Ube College)

An invariant of plane curves through Galois covers and Zariski pairs

**14:40—15:40** B. Guerville - Ballé (Tokyo Gakugei)

Configuration of points and complexified real arrangements

**16:00—17:00** Alex Degtyarev (Bilkent Univ.)

Smooth models of singular K3-surfaces, II

**11 March (Sat)**

**9:40—10:40** Jun Lu (East China Normal Univ.)

Foliations with Kodaira dimension one and some applications on fibrations

**11:00—12:00** Kazuki Hiroe (Josai)

Invariants of differential equations and algebraic curves