

# Workshop in Algebraic Geometry in Sapporo

Period: Aug. 27th (Tue) – Aug. 30th (Fri), 2013

Place: Faculty of Science Building #3 Room 210, Hokkaido University  
北大理学部三号館 3-210 号室

## Program

August, 27th (Tue)

- 10:00–11:30 Takehiko Yasuda (Osaka University)  
A survey on wild quotient singularities
- 13:00–14:30 Stavros Papadakis (RIMS, Kyoto University)  
Introduction to unprojection theory
- 15:00–16:00 Akiyoshi Sannai (Nagoya University)  
On dual signature
- 16:00–17:00 Discussion

August, 28th (Wed)

- 10:00–11:30 Takuzo Okada (Saga University)  
Introduction to rationality problem of quartic (and cubic) 3-folds
- 13:00–14:30 Ryo Ohkawa (RIMS, Kyoto University)  
Introduction to Bayer and Macri's "MMP for moduli of sheaves on K3s via wall-crossing"
- 15:00–16:30 Yuki Hirano (Tokyo Metropolitan University)  
Introduction to Lennart's "Orlov's Equivalence and Maximal Cohen-Macaulay Modules over the Cone of an Elliptic Curve"
- 16:30–17:00 Discussion

August, 29th (Thu)

- 10:00–11:30 Shinnosuke Okawa (Osaka University)  
Introduction to Mori dream space via moduli space of rank 2 parabolic bundles on a pointed projective line
- 13:00–14:30 Makoto Miura (University of Tokyo)  
Introduction to Dolgachev's "Mirror symmetry for lattice polarized K3 surfaces"
- 15:00–16:00 Akiyoshi Sannai (Nagoya University)  
Introduction to Achinger's "A characterization of toric varieties in characteristic  $p$ "
- 16:00–17:00 Discussion

August, 30th (Fri)

9:30–11:00 Hirokazu Nasu (Tokai University)  
Introduction to Hilbert schemes of curves on a 3-fold

11:30–13:00 Genki Ouchi (University of Tokyo)  
Introduction to Kuznetsov's "Derived categories of cubic fourfolds"

**Support:**

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