

Algebraic Geometry in East Asia 2016

January 18–22, 2016

Auditorium, Graduate School of Mathematical Sciences, the University of Tokyo

Program

Monday, January 18

- 10:30 – 11:20 **Baohua Fu** (AMSS, Chinese Academy of Sciences)
Minimal rational curves on wonderful group compactifications
- 11:50 – 12:40 **Tatsuyuki Hikita** (Kyoto University)
On an algebro-geometric realization of the cohomology ring of conical symplectic resolutions
- 14:20 – 15:10 **Junmyeong Jang** (University of Ulsan)
A non-symplectic automorphism of order 21 or 28 of a K3 surface
- 15:30 – 16:20 **Hao Sun** (Shanghai Normal University)
Slopes of non-hyperelliptic surface fibrations in positive characteristic
- 16:40 – 17:30 **Mingshuo Zhou** (Hangzhou Dianzi University)
Frobenius split type of moduli space of parabolic bundles over curves

Tuesday, January 19

- 10:30 – 11:20 **Fumiharu Kato** (Tokyo Institute of Technology)
On henselian rigid geometry
- 11:50 – 12:40 **Kwokwai Chan** (Chinese University of Hong Kong)
HMS for local CY manifolds via SYZ
- 14:20 – 15:10 **Kazushi Ueda** (University of Tokyo)
Compact moduli of noncommutative del Pezzo surfaces
- 15:30 – 16:20 **Zheng Hua** (University of Hong Kong)
Contraction algebra and invariants associated to three dimensional flopping contraction
- 16:40 – 17:30 **Genki Ouchi** (University of Tokyo)
Lagrangian embeddings of cubic fourfolds containing a plane

Wednesday, January 20

- 10:30 – 11:20 **Huai-Liang Chang** (Hong Kong University of Science and Technology)
Application of cosection localization via P fields
- 11:50 – 12:40 **Wei-Ping Li** (Hong Kong University of Science and Technology)
Master Spin Fields on the Quintic
- 14:20 – 15:10 **Insong Choe** (Konkuk University)
Segre invariants of symplectic and orthogonal bundles over a curve
- 15:30 – 16:20 **Euisung Park** (Korea University)
On hypersurfaces containing projective varieties

Thursday, January 21

- 10:30 – 11:20 **Pham Hoang Hiep** (Vietnam Academy of Science and Technology)
The log canonical thresholds and the complex Monge-Ampère masses
- 11:50 – 12:40 **Jen-Chieh Hsiao** (National Cheng Kung University)
On the multigraded Hilbert scheme parametrizing ideals in the Weyl algebra
- 14:20 – 15:10 **DongSeon Hwang** (Ajou University)
Explicit classification of log del Pezzo surfaces of Picard number one
- 15:30 – 16:20 **Shin-Yao Jow** (National Tsing Hua University)
Continuity of Nakayama's sigma-decomposition on polyhedral boundary of the pseudoeffective cone
- 16:40 – 17:30 **Jinhyung Park** (KIAS)
Castelnuovo bounds for normalities of projective varieties

Friday, January 22

10:30 – 11:20 **Chenyang Xu** (BICMR, Peking University)

Finiteness of fundamental groups

11:50 – 12:40 **Jheng-Jie Chen** (National Central University)

Pseudo-Effecitivities of second Chern classes via a filp and a divisorial contraction of type I

14:20 – 15:10 **Lei Zhang** (Shaanxi Normal University)

Recent progresses in subadditivity of Kodaira dimensions in positive characteristics

15:30 – 16:20 **Ching-Jui Lai** (National Taiwan University)

Surface with maximal canonical degree

16:40 – 17:30 **De-Qi Zhang** (National University of Singapore)

Jordan property for non-linear algebraic groups and projective varieties

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The scientific committee

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