Algebraic Geometry in East Asia 2016

January 18–22, 2016

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

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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

The scientific committee
  Jungkai Alfred Chen (National Central University)
  Yujiro Kawamata (University of Tokyo)
  JongHae Keum (KIAS)
  Ngaiming Mok (University of Hong Kong)
  Xiaotao Sun (AMSS, Chinese Academy of Sciences)

Local organizers
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