

Arithmetic and Algebraic Geometry 2012

科学研究費補助金(基盤研究(S), 19104001)、およびグローバル COE プログラム「数学新展開の研究教育拠点」(東京大学)により、標記のような国際会議を下記の要領で開催しますのでご案内致します。

Organizers:

G. van der Geer (Univ. Amsterdam)
T. Katsura (Hosei Univ.)
T. Terasoma (Univ. Tokyo)

Dates : February 15--February 18, 2012

Place: Graduate School of Mathematical Sciences
The University of Tokyo

Program:

February 15(Wednesday)

10:00--11:00 : Shigeru Mukai (RIMS)

Generalized Enriques surfaces and integral lattices

11:20--12:20 : Masanori Ishida (Tohoku Univ.)

Groebner basis for cusp singularities of toric type

13:40--14:40 : JongHae Keum (KIAS)

TBA

15:10--16:10 : Shunsuke Takagi (Univ. Tokyo)

Singularities of Cox rings of klt Calabi--Yau surfaces

16:30--17:30 : Shihoko Ishii (Univ. Tokyo)

Jet closures and local isomorphism problem

February 16(Thursday)

10:00--11:00 : Piotr Pragacz (Polish Acad. Sci. Warsaw)

Thom polynomials and algebraic geometry

11:20--12:20 : Jochen Heinloth (Duisburg-Essen Univ.)

On motivic classes of moduli spaces of Higgs bundles

13:40--14:40 : Tadao Oda (Tohoku Univ.)

(Semi)stability and (quasi)crystals

15:10--16:10 : Yukinobu Toda (IPMU, Univ. Tokyo)

Bogomolov-Gieseker type inequality and counting invariants

16:30--17:30 : Stefan Schroeer (Heinrich-Heine Univ.)

Artin-Schreier coverings and surfaces of general type

18:00: Reception

February 17(Friday)

10:00--11:00 : Tetsuji Shioda (Rikkyo Univ./RIMS)

Excellent families of rational elliptic surfaces

11:20--12:20 : Takeshi Saito Univ. Tokyo)

Discriminant and determinant of a hypersurface of even dimension

13:40--14:40 : Tomohide Terasoma (Univ. Tokyo)

TBA

15:10--16:10 : Christian Liedtke (Heinrich-Heine Univ.)

On the birational nature of lifting

16:30--17:30 : Toshiyuki Katsura (Hosei Univ.)

The h-invariant in characteristic p

February 18(Saturday)

10:00--11:00 : Gerard van der Geer (Univ. Amsterdam)

Vector-valued Picard modular forms and curves of genus three

11:20--12:20 : Shuji Saito (Tokyo Inst. Tech.)

Chomological Hasse principle and McKay principle

13:40--14:40 : Shigeyuki Kondo (Nagoya Univ.)

The rationality of the moduli space of Coble surfaces and of Cayley
symmetroids

15:10--16:10 : Iku Nakamura (Hokkaido Univ.)

Finite group schemes and moduli of abelian varieties