

# Higher Dimensional Algebraic Geometry (in honour of Professor Yujiro Kawamata's sixtieth birthday)

**Date :** January 7-11, 2013

**Venue :** Auditorium, Graduate School of Mathematical Sciences, the University of Tokyo

## **Schedule :**

1/7 Monday (5 lectures plus party)

- 10:00 - 10:50 Y. Toda  
Gepner type stability conditions on triangulated categories
- 11:20 - 12:10 J.M. Hwang  
Buser-Sarnak invariants of Prym varieties  
(Lunch)
- 14:00 - 14:50 M. Reid  
Diptych varieties
- 15:20 - 16:10 B. Totaro  
Symmetric differentials and the fundamental group
- 16:40 - 17:30 C. Xu  
Dual complexes of singularities
- 18:00 - Welcome Party (no formal speech is planned, everybody is welcome)

1/8 Tuesday (6 lectures)

- 10:00 - 10:50 L. Ein  
Asymptotic syzygies of algebraic varieties
- 11:20 - 12:10 M. Mustata  
TBA  
(Lunch)
- 14:00 - 14:50 D. Huybrechts  
More on cycles on (quartic) K3 surfaces

- 15:10 - 16:00 M. Popa  
Kodaira dimension and zeros of holomorphic one-forms
- 16:30 - 17:20 A. Kuznetsov  
Categorical resolutions of singularities
- 17:40 - 18:30 T. Yasuda  
The p-cyclic McKay correspondence

1/9 Wednesday (3 lectures and free afternoon)

- 10:00 - 10:50 Y.-T. Siu  
Zariski closures of entire holomorphic curves and the abundance conjecture
- 11:10 - 12:00 M. Paun  
Semi-positivity results for relative adjoint transcendental classes and applications
- 12:20 - 13:10 O. Fujino  
Fundamental theorems for semi log canonical pairs.

Free Afternoon

1/10 Thursday (5 lectures plus party)

- 10:00 - 10:50 C. Birkar  
Singularities in Fano type fibrations.
- 11:20 - 12:10 J. McKernan  
TBA  
(Lunch)
- 13:45 - Shooting Group Photos
- 14:00 - 14:50 C. Hacon  
On flips for 3-folds in Characteristic  $p > 0$
- 15:20 - 16:10 V.V. Shokurov  
TBA
- 16:40 - 17:30 Y. Kawamata  
TBA
- 18:00 - Party celebrating Professor Kawamata's sixtieth birthday

1/11 Friday (6 lectures)

10:00 - 10:50 C. Voisin

Recent progresses on zero cycles on surfaces

11:20 - 12:10 Y. Namikawa

Symplectic varieties of complete intersection and contact geometry

(Lunch)

14:00 - 14:50 F. Catanese

(Some) Topological and transcendental methods in classification and moduli theory

15:10 - 16:00 A. Beauville

The Lefschetz problem

16:30 - 17:20 K. Oguiso

Smooth quartic K3 surfaces and Cremona Transformations

17:40 - 18:30 S. Mukai

Enriques surfaces and root systems modulo 2