

2016

# 代数幾何学シンポジウム

記録

平成 28 年度科学研究費補助金 基盤研究 (S)  
(課題番号 25220701、 代表 向井 茂)  
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於 城崎国際アートセンター  
(2016 年 10 月 17 日 ~ 10 月 21 日)

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## Kinosaki algebraic geometry symposium 2016

Date : Oct. 17, 2016 (Mon) — Oct. 21, 2016 (Fri)  
 Venue : Kinosaki International Arts Center  
           : (Yushima 1062, Kinosaki, Toyo-oka, Hyogo 669-6101)  
 Phone : +81-796-32-3888 (Tsutaya-Seirantei : +81-796-32-2511)

### Program

Oct. 18 (Tue)

- 9:30 ~ 10:30 Taro Fujisawa (Tokyo Denki University)  
Mixed Hodge structures on semistable log smooth degenerations
- 10:45 ~ 11:45 Tatsuki Hayama (Senshu University)  
Pseudoconcave Mumford-Tate domains
- 13:30 ~ 14:30 Takahiro Saito (Tsukuba University)  
On the monodromies and the limit mixed Hodge structures  
of families of algebraic varieties
- 14:45 ~ 15:45 Takahiro Shibata (Kyoto University)  
On generic vanishing for pluricanonical bundles
- 16:00 ~ 17:00 Takuzo Okada (Saga University)  
Stable rationality of orbifold Fano 3-fold hypersurfaces

Oct. 19 (Wed)

- 9:30 ~ 10:30 Sho Ejiri (the University of Tokyo)  
On weak positivity theorem and Iitaka's conjecture  
in positive characteristic
- 10:30 ~ 11:30 Poster session
- 11:30 ~ 12:30 Makoto Enokizono (Osaka University)  
Upper bounds on the slope of certain fibered surfaces
- 14:15 ~ 17:00 Free discussion

Oct. 20 (Thu)

- 9:30 ~ 10:30 Kentaro Hori (Kavli IMPU)  
Grade Restriction Rule and Equivalences of Categories
- 10:45 ~ 11:45 Yuki Hirano (Tokyo Metropolitan University)  
Derived Knörrer periodicity and Orlov's theorem for  
gauged Landau-Ginzburg models
- 13:30 ~ 14:30 Will Donovan (Kavli IPMU)  
Applications of noncommutative deformations
- 14:45 ~ 15:45 Tatsuki Kuwagaki (the University of Tokyo)  
On the coherent-constructible correspondence
- 16:00 ~ 17:00 Katsutoshi Yamanoi (Osaka University)  
Complex hyperbolicity problems related to abelian varieties

Oct. 21 (Fri)

- 9:00 ~ 10:00 Uwe Jannsen (Universität Regensburg/the University of Tokyo)  
Filtered de Rham Witt complexes and  
wildly ramified higher class field theory over finite fields  
(joint work with Shuji Saito and Yigeng Zhao)
- 10:15 ~ 11:15 Kazuhiko Yamaki (Kyoto University)  
Effective faithful tropicalizations associated to  
linear systems on curves

The nearest station is Kinosaki-Onsen of JR San-in Main Line. On the first day (Oct. 17(Mon)), the dinner starts at 18:30.

We are looking forward to seeing you in Kinosaki.

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Organizers: O. Fujino (Osaka), M. Kobayashi (Tokyo Metropolitan), S. Okawa (Osaka)