

2017

# 代数幾何学シンポジウム

記録

平成 29 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  
(2017 年 10 月 24 日~10 月 27 日)

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## Kinosaki algebraic geometry symposium 2017

Date : Oct. 24, 2017 (Tue) — Oct. 27, 2017 (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. 24 (Tue)

16:00 ~ 17:00 Hokuto Uehara (Tokyo Metropolitan University)  
Autoequivalences on smooth projective surfaces

Oct. 25 (Wed)

9:30 ~ 10:30 Atsushi Kanazawa (Kyoto University)  
Weil-Petersson geometry on the space of Bridgeland stability conditions

10:30 ~ 11:30 Poster session

11:30 ~ 12:30 Yasunari Nagai (Waseda University)  
Degeneration of Hilbert scheme of surfaces

14:00 ~ 15:00 Tien-Cuong Dinh (National University of Singapore)  
Number of isolated periodic points of rational maps

15:15 ~ 16:15 Yohsuke Matsuzawa (University of Tokyo)  
Arithmetic degrees and dynamical degrees of self-maps  
of algebraic varieties

16:30 ~ 17:30 Akinari Hoshi (Niigata University)  
Rationality problem for fields of invariants

Oct. 26 (Thu)

- 9:15 ~ 10:15 Kenta Sato (University of Tokyo)  
Ascending chain condition for F-pure thresholds
- 10:30 ~ 11:30 Akiyoshi Sannai (RIMS)  
Frobenius maps and algebraic varieties
- 11:45 ~ 12:45 Isac Hedén (RIMS)  
On  $\mathbb{G}_a$ -threefolds whose algebraic quotient morphism  
only degenerates over isolated points
- 14:15 ~ 15:15 Kenta Hashizume (Kyoto University)  
On the non-vanishing conjecture  
and existence of log minimal models
- 15:30 ~ 16:30 Roberto Svaldi (University of Cambridge)  
Global vs. Local structure of singularities
- 16:45 ~ 17:45 Tatsuo Suwa (Hokkaido University)  
Relative Dolbeault cohomology and Sato hyperfunctions

Oct. 27 (Fri)

- 9:00 ~ 10:00 Takeru Fukuoka (University of Tokyo)  
Relative embeddings of del Pezzo fibrations of degree six
- 10:15 ~ 11:15 Kiwamu Watanabe (Saitama University)  
Fano manifolds with nef tangent bundle

The nearest station is Kinosaki-Onsen of JR San-in Main Line.  
We are looking forward to seeing you in Kinosaki.

Kinosaki algebraic geometry symposium 2017 is partially supported by Grant-in-Aid for Scientific Research (S) 25220701, (S) 15H05738, and (S) 17H06127, We are grateful to the support.

Organizers: T. Fujisawa (Tokyo Denki), T. Okada (Saga), T. Sano (Kobe)