

# Symposium “Hodge theory and algebraic geometry”: Occasion of the 60th birthday of Sampei Usui

June 29 – July 3, 2009

RIMS room 420, Kyoto university  
<http://www.kurims.kyoto-u.ac.jp/>

Party for the 60th birthday of Sampei Usui will be held on July 1 at Kyoto Royal Hotel & Spa (<http://www.ishinhotels.com/kyoto-royal/jp/>). Please contact with A. Ikeda ([atsushi@math.sci.osaka-u.ac.jp](mailto:atsushi@math.sci.osaka-u.ac.jp)) until June 5.

## Monday 29

10:00 – 11:00 H. Tokunaga (Tokyo Metro. Univ.) : Splitting curves, Zariski pairs and the Mordell-Weil groups.

11:15 – 12:15 A. Ikeda (Osaka) : A period map for cubic surfaces.

14:30 – 15:30 T. Ashikaga (Tohoku gakuin) : Local invariant of fibration of curves and moduli map.

15:45 – 16:45 K. Konno (Osaka) : Certain surface singularities of general type.

## Tuesday 30

10:00 – 11:00 T. Kajiwara (Yokohama National Univ.) : Log abelian varieties (joint work with K. Kato and C. Nakayama).

11:15 – 12:15 K. Shirakawa (Osaka) : Generic Torelli theorem for one-parameter mirror families to weighted hypersurfaces.

14:30 – 15:30 M. Kerr (Durham): Radon transforms and the generalized Hodge conjecture.

15:45 – 16:45 M. Saito (RIMS, Kyoto) : Generalization of the Neron models of Green, Griffiths and Kerr (joint work with P. Brosnan and G. Pearlstein).

## Wednesday 1

10:00 – 11:00 S. Usui (Osaka) and K. Kato (Kyoto) : Classifying spaces of degenerating mixed Hodge structures I (a joint work with C. Nakayama).

11:15 – 12:15 S. Usui (Osaka) and K. Kato (Kyoto) : Classifying spaces of degenerating mixed Hodge structures II (a joint work with C. Nakayama).

14:30 – 15:30 G. Pearlstein (Michigan State Univ.) : Singularities of Normal Functions and their Zero Loci.

15:45 – 16:45 C. Nakayama (Tokyo Inst. of Tech.) : Relative rounding and submersivity of log smooth maps (joint work with Arthur Ogus).

19:00 – 21:00 Party (Kyoto Royal Hotel & Spa)

**Thursday 2**

10:00 – 11:00 Y. Namikawa (Kyoto) : Symplectic varieties and Poisson deformations.

11:15 – 12:15 Y. Shimizu (ICU) : Loop spaces and equivariant cohomology.

14:30 – 15:30 O. Fujino (Kyoto) : Vanishing theorem and non-vanishing theorem for log canonical pairs.

15:45 – 16:45 C. Schnell (Univ. of Illinois at Chicago) : An alternative construction of the Neron model.

**Friday 3**

10:00 – 11:00 I. Shimada (Hiroshima) : Links of hypersurface simple K3 singularities (joint work with A. Katanaga).

11:15 – 12:15 S. Tsuboi (Kagoshima): TBA

13:30 – 14:30 M-H. Saito (Kobe) : Families of affine cubic surfaces arising from generalized monodromy data.

14:45 – 15:45 H. Chen (Inst. Math. Jussieu): Filtered linear series and applications in Arakelov geometry.

**Organizers :**

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