MMP and extremal rays

June 20–24, 2011 RIMS, Kyoto University, Room 420

June 20 (Monday)

- 10:00–11:00 J. M^cKernan (Massachusetts Institute of Technology), The importance of being big.
- 11:30–12:30 C. Birkar (Cambridge University), Existence of log canonical flips and a special LMMP.
- 14:00–15:00 J. A. Chen (National Taiwan University), Explicit three-dimensional minimal model program.
- 16:00–17:00 M. Mustață (University of Michigan), Asymptotic invariants and valuations.

June 21 (Tuesday)

- 9:30–10:30 V. V. Shokurov (Johns Hopkins University/Steklov Institute of Mathematics), Mobility and rigidity in birational algebraic geometry.
- 10:45–11:45 C. Xu (Massachusetts Institute of Technology), Boundedness of algebraic varieties.
- 13:30–14:30 A. Corti (Imperial College London), Extremal Laurent Polynomials and Fano Manifolds.
- 14:45–15:45 V. Lazić (Imperial College London), MMP revisited.
- 16:15–17:15 M. Kawakita (RIMS), Ideal-adic semi-continuity problem for minimal log discrepancies.

June 22 (Wednesday)

- 10:00–11:00 H. Clemems (Ohio State University), The intersection number for pairs of (topological) normal functions and a height pairing for (disjoint, homologically trivial) submanifolds.
- 11:30–12:30 Y. Miyaoka (University of Tokyo), Canonical degree of nodal curves on a surface of general type.
- 14:00–15:00 J. Kollár (Princeton University), MMP and moduli of varieties.
- 16:00–17:00 S. Mori (RIMS), Threefold Q-conic bundles and a personal review of extremal rays.

June 23 (Thursday)

- 9:30–10:30 V. Alexeev (University of Georgia), Extending Torelli maps.
- 10:45–11:45 S. Kovács (University of Washington), Deformation of Du Bois singularities.
- 13:30–14:30 H. Takagi (University of Tokyo), Mirror symmetry and projective geometry of Reye congruence.
- 14:45–15:45 J.-M. Hwang (Korea Institute for Advanced Study), Varieties of minimal rational tangents of codimension one.
- 16:15–17:15 Y. Namikawa (Kyoto University), Equivalence of symplectic singularities.

June 24 (Friday)

- 9:30–10:30 Y. Prokhorov (Moscow State Lomonosov University), On the classification of singular Fano threefolds.
- 10:45–11:45 M. Reid (University of Warwick), Rings and varieties.

Organizers: Osamu Fujino, János Kollár, Atsushi Moriwaki, Shigeru Mukai, Noboru Nakayama

Summer School on Algebraic Geometry

June 13–17, 2011 RIMS, Kyoto University, Room 420

June 13 (Monday)

- 9:30–10:30 P. Cascini (Imperial College London), On the Minimal Model Program, I.
- 10:45–11:45 P. Hacking (University of Massachusetts Amherst), Moduli spaces of surfaces of general type and their compactifications, I.
- 14:45–15:30 C.-Y. Chi (Harvard University), Pseudonorms and Theorems of Torelli type.
- 15:45–16:30 D. Kim (Korea Institute for Advanced Study), Some division problems implied by the openness conjecture for multiplier ideal sheaves.

June 14 (Tuesday)

10:45–11:45 J. Starr (Stony Brook University), Spaces of rational curves on Fano manifolds, I.

13:30–14:30 P. Cascini, On the Minimal Model Program, II.

14:45-15:30	Y. Gongyo (University of Tokyo), Log pluricanonical representations and abundance conjecture.
15:45-16:30	CJ. Lai (University of Utah),
	Varieties fibered by good minimal models.
June 15	(Wednesday)
9:30-10:30	P. Hacking,
	Moduli spaces of surfaces of general type and their compactifications, II.
10:45-11:45	
10.00 19.00	Spaces of rational curves on Fano manifolds, II.
12:00-13:00	M. Păun (Institut Élie Cartan, Université Henri Poincaré), Extension theorems for pluricanonical forms, I.
June 16	(Thursday)
9:30-10:30	P. Cascini,
	On the Minimal Model Program, III.
10:45-11:45	
19.90 14.90	Extension theorems for pluricanonical forms, II.
13:30-14:30	J. Starr, Spaces of rational curves on Fano manifolds, III.
14.45-15.30	K. Watanabe (University of Tokyo),
11.10 10.00	Lengths of chains of minimal rational curves on Fano manifolds
	of Picard number 1.
15:45 - 16:30	A. Ito (University of Tokyo),
	Seshadri constants and Okounkov bodies.
June 17	(Friday)
9:30-10:30	M. Păun,
	Extension theorems for pluricanonical forms, III.
10:45-11:45	P. Hacking,
	Moduli spaces of surfaces of general type and their compactifi-
10.00 14.15	cations, III.
13:30-14:15	S. Matsumura (University of Tokyo),
	Asymptotic cohomology vanishing and a converse of the Andreotti– Grauert theorem on surfaces.
14.30-15.15	T. Okada (Kyoto University),
11.00 10.10	On the Mori fiber structures of \mathbb{Q} -Fano 3-fold weighted com-
	plete intersections.
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Organizers: Osamu Fujino, Takayuki Hayakawa, Masayuki Kawakita, Noboru Nakayama.