



UK-Japan Winter School Algebraic and Symplectic Geometry

Monday 7th – Friday 11th January 2008

Dedicated to the memory of James Eells (1926-2007)

PROGAMME (subject to change)

All talks will be in Lecture Room B3.02, Mathematics Institute, Zeeman Building

MONDAY, 7 JANUARY

13:30-13:50	Registration in the MRC Room B1.37
13:50-14:00	Opening
14:00-15:00	Alessio Corti (Imperial College) The quantum cohomology of Fano stacks (1)
15:00-15:30	Tea in the Mathematics Institute Common Room
15:30-16:20	Daniel Huybrechts (Bonn and Imperial College) <i>Derived equivalences of K3 surfaces and their</i>
	deformations

TUESDAY, 8 JANUARY

09:30-10:30	Alessio Corti (Imperial College) The quantum cohomology of Fano stacks (II)
10:30-11:00	Coffee in the Mathematics Institute Common Room
11:00-12:00	Richard Thomas (Imperial College) Algebro-geometric counting invariants (I)
12:00-14:00	Lunch
14:00-14:50	Yoshinori Namikawa (Osaka) Poisson deformations and symplectic varieties
15:00-15:30	Tomoo Matsumura (Max Planck) Stringy cohomology of the symmetric product of an orbifold
15:30-16:00	Yuji Sano (IHES) On relationships between multiplier ideal subschemes and Futaki invariant on toric
	Fano manifolds
16:30-17:20	Egor Shelukhin (Tel Aviv) The Futaki invariant and Hamiltonian dynamics

WEDNESDAY, 9 JANUARY

09:30-10:30	Nigel Hitchin (Oxford) Generalized geometry (1): Skew torsion
10:30-11:00	Coffee in the Mathematics Institute Common Room
11:00-12:00	Richard Thomas (Imperial College) Algebro-geometric counting invariants (II)
12:00-14:00	Lunch
14:00-14:50	Frances Kirwan (Oxford) Non-reductive geometric invariant theory and symplectic implosion
15:00-15:30	Andrei Mustata (University College Cork) Quantum cohomology and flops of rationally connected
	varieties
15:30-16:00	Seyed Mohammad Bagher Kashani (Tarbiat Modarres) Totally geodesic singular orbits in
	cohomogeneity one Riemannian manifolds
16:00-16:30	Tea in the Mathematics Institute Common Room
16:30-17:20	Toshiki Mabuchi (Osaka) Kähler-Ricci solitons in Sasakian geometry
Evening	A Memorial Dinner with Nan Eells
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THURSDAY, 10 JANUARY

09:30-10:30	Nigel Hitchin (Oxford) Generalized geometry (II): Generalized complex structures
10:30-11:00	Coffee in the Mathematics Institute Common Room
11:00-12:00	Richard Thomas (Imperial College) Algebro-geometric counting invariants (III)
12:00-14:00	Lunch
14:00-14:50	Tom Bridgeland (Sheffield) Stability conditions and Stokes factors
15:00:15:50	Daisuke Matsushita (Hokkaido) On remarks of terminations of D-flops on symplectic manifolds
15:50-16:20	Tea in the Mathematics Institute Common Room
16:20-17:10	Takehiko Yasuda (Kyoto University) Crepant resolution via Frobenius morphisms

FRIDAY, 11 JANUARY

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09:30-10:30	Nigel Hitchin (Oxford) Generalized geometry (III) Holomorphic Poisson manifolds
10:30-11:00	Coffee in the Mathematics Institute Common Room
11:00-12:00	Richard Thomas (Imperial College) Algebro-geometric counting invariants (IV)
12:00-14:00	Lunch
14:00-14:50	Balázs Szendröi (Oxford) Enumerative invariants of non-commutative Calabi-Yau algebras
15:00-15:50	Ryushi Goto (Osaka) Deformations of generalized Kähler structures, Poisson structures and bihermitian
	structures

If you have any questions during the Workshop please see either Hazel Higgens or Yvonne Collins in Room B1.37 which is opposite the Common Room

11/12/2007