

Moduli Spaces in Geometry

CIRM, October 26-30, 2015

Programme (provisional version)

Monday:

08:45 - 09:00	<i>Opening</i>
09:00 - 10:00	Kieran O'Grady: <i>Birational geometry of moduli spaces of K3 surfaces I</i>
10:10 - 11:10	Radu Laza: <i>Birational geometry of moduli spaces of K3 surfaces II</i>
11:10 - 11:25	<i>Break, Tea and Coffee</i>
11:25 - 12:25	Marian Aprodu: <i>Cayley-Chow forms of K3 surfaces and Ulrich bundles</i>
12.30 - 13:30	<i>Lunch</i>
16.30 - 17:00	<i>Tea and Coffee</i>
17:00 - 18:00	Philip Boalch: <i>Non-perturbative symplectic manifolds and non-commutative algebras</i>
18:10 - 19:10	Ionut Ciocan-Fontanine: <i>Wall-crossing in quasimap theory</i>

Tuesday:

09:00 - 10:00	Artan Sheshmani: <i>On the proof of S-duality modularity conjecture on quintic threefolds</i>
10:10 - 11:10	Alexander Kuznetsov: <i>Geometry and moduli spaces of Gushel-Mukai varieties</i>
11:10 - 11:25	<i>Break, Tea and Coffee</i>
11:25 - 12:25	Gavril Farkas: <i>The uniformization of the moduli space of abelian 6-folds</i>
12.30 - 13:30	<i>Lunch</i>
16:30 - 17:00	<i>Tea and Coffee</i>
17:00 - 18:00	Richard Hain: <i>Mixed motives associated to elliptic curves</i>
18:10 - 19:10	Jochen Heinloth: <i>Some results on the cohomology of moduli spaces of Higgs bundles</i>

Wednesday:

09:00 - 10:00	Tamas Hausel: <i>Toric non-abelian Hodge theory</i>
10:10 - 11:10	Adrian Langer: <i>Bogomolov's inequality and its applications</i>
11:10 - 11:25	<i>Break, Tea and Coffee</i>
11:25 - 12.25	Matei Toma: <i>Moduli spaces for slope-semistable sheaves on projective manifolds</i>
12.30 - 13.30	<i>Lunch</i>
	<i>Afternoon is free</i>

Thursday:

09:00 - 10:00	Ludmil Katzarkov: <i>Kähler metrics on categories</i>
10:10 - 11:10	Jim Bryan: <i>Curve counting on Abelian surfaces and threefolds and Jacobi forms</i>
11:10 - 11:25	<i>Break, Tea and Coffee</i>
11:25 - 12:25	Chiu-Chu Melissa Liu: <i>On the remodeling conjecture for toric Calabi-Yau 3-orbifolds</i>
12:30 - 13:30	<i>Lunch</i>
16:30 - 17:00	<i>Tea and Coffee</i>
17:00 - 18:00	Bruno Klingler: <i>An André-Oort conjecture for variations of Hodge structures</i>
18:10 - 19:10	Marcos Jardim: <i>Torsion free sheaves with zero dimensional singularities</i>
19:30	<i>Dinner Bouillabaisse</i>

Friday:

09:00 - 10:00	Daniel Greb: <i>Higgs sheaves on singular spaces and uniformisation for varieties of general type</i>
10:10 - 11:10	Dragos Oprea: <i>Segre classes and Hilbert scheme of points</i>
11:10 - 11:25	<i>Break, Tea and Coffee</i>
11:25 - 12:25	Jacques Hurtubise: <i>Monopoles on Sasakian 3-folds</i>