

Geometry of complex manifolds IV, CIRM Program

October 25-29, 2010

MONDAY

- 9:50 Opening
- 10:00-10:50 Thomas Peternell (Bayreuth Univ.) Complex contact manifolds
- 11:00-11:50 Stefan Nemirovski (Steklov Inst. & Bochum Univ.) Function theory on semistable quotients
- 12:30 Lunch
- 16:00-16:50 Paolo de Bartolomeis (Univ. di Firenze) Deformations of Levi-flat manifolds: intrinsic theory
- Coffee break
- 17:30-18:20 Julien Grivaux (Univ. de Marseille) The Grothendieck-Riemann-Roch theorem for complex manifolds
- 18:30-19:20 Christian Miebach (Univ. de Lille) Analyticity of orbit closures for Hamiltonian actions of complex-reductive Lie groups

TUESDAY

- 9:00-9:50 Vincent Koziarz (Univ. de Nancy) Period domains and cohomology of Kähler groups
- 10:00-10:50 François Berteloot (Univ. de Toulouse) Dynamics of rational fractions and bifurcation currents
- Coffee Break
- 11:30-12:20 Ingrid Bauer (Bayreuth Univ.) Moduli of Burniat surfaces and pathologies of deformation spaces
- 12:30 Lunch
- 17:00 Tea
- 17:30-18:20 Misha Verbitsky (ITEP Moscow) Stable bundles on $\mathbb{CP}^3$ and special holonomies
- 18:30-19:20 Vestislav Apostolov (UQAM, Montréal) Extremal Kähler metrics on projective bundles over a curve

WEDNESDAY

- 9:00-9:50 Bernard Shiffman (John Hopkins Univ.) Distribution of zeros of random complex fewnomials

- 10:00-10:50 Christian Okonek Determinant line bundle of a family of Dirac operators de Dirac on Riemann surfaces endowed with real structures
- Coffee Break
- 11:30-12:20 Matei Toma (Univ. de Nancy) On the Kähler rank of compact complex surfaces
- 12:30 Lunch
- afternoon free

THURSDAY

- 9:00-9:50 Ngaiming Mok (Univ. of Hong Kong) Germs of measure-preserving holomorphic maps from a bounded symmetric domain into its Cartesian products
- 10:00-10:50 Laurent Meersseman (Université de Bourgogne) Generalization of Fischer-Grauert theorem
- Coffee Break
- 11:30-12:20 Erwan Rousseau (Univ. de Strasbourg) Degeneracy of holomorphic mapping tangent to foliations
- 12:30 Lunch
- 17:00 Tea
- 17:30-18:20 Bracci Abstract Löwner
- 18:30-19:20 Tomassi On the cohomology of moduli space of abelian 4-folds

FRIDAY

- 9:00-9:50 Futaki Asymptotic Chow-semistability in Kähler geometry
- 10:00-10:50 Jöricke Locally pseudoconvex envelopes and holomorphic discs
- Coffee Break
- 11:30-12:20 Hamano Variation formulas for principal functions and applications
- 12:30 Lunch
- 14:00-14:50 Ahmed Zeriahi (Univ. Toulouse) Degenerate complex Monge-Ampère equations
- 15:00-15:50 Akira Fujiki Geometric interpretation of parameters of families of ASD bihermitian structures