

VBAC 2003 – Programme

Porto, July 1-5

Tuesday

- 9:30-10:20 M. Reid, *Homage to Andrei Tyurin*.
- 11:00-11:50 S. Bradlow, *Augmented holomorphic bundles: theory and practice*.
- 12:00-12:30 V. Mehta, *Low -height Representations and Semistable Bundles in char p , a survey*.
- 14:30-15:20 V. Balaji, *Moduli of principal bundles and ramified principal bundles*.
- 15:30-16:00 G. Scataglini, *Remarks on stable vector bundles with "special" line sub-bundles*.
- ¹15:30-16:00 A. Gurevich, *p -adic period map on the Lubin-Tate moduli space*.
- 16:30-17:20 I. Mundet i Riera, *A compactification of the universal Jacobian and symplectic invariants*.
- 17:30-18:00 E. Gasparim, *Moduli of bundles on surfaces and birational transformations*.
- 17:30-18:00 I. Kausz, *A canonical decomposition of generalised theta functions on the moduli stack of Gieseker vector bundles*.

Wednesday

- 9:30-10:20 J. Andersen, *Asymptotic faithfulness of the quantum $SU(n)$ representations of the mapping class groups*.
- 11:00-11:50 V. Nikulin, *Tyurin's invariants of 4-dimensional pseudo-Riemannian manifolds*.
- 12:00-12:30 F. Gavioli, *Theta functions on the moduli space of parabolic bundles*.
- ¹12:00-12:30 A. Braverman, *Uhlenbeck spaces via Drinfeld compactifications*.
- 14:30-15:20 F. Kirwan, *Relations in the cohomology of moduli spaces of bundles*.
- 15:30-16:00 A.-M. Castravet, *Rational families of vector bundles on curves*.
- ¹15:30-16:00 A. Langer, *Moduli spaces of sheaves and bounds on the cohomology groups*.
- 16:30-17:20 G. Farkas, *$K3$ sections, rank two bundles and effective divisors on the moduli space of curves*.

¹Room 0.07; all other talks - Room 0.03

17:30-18:00 S. Grushevsky, *Odd theta characteristics: embedding M_g and A_g .*

¹17:30-18:00 S. Schröer, *Vector bundles and Azumaya algebras on singular surfaces.*

Thursday

9:30-10:20 N. Tyurin, *Local invariant of riemannian metrics in dimension 3 and 4.*

11:00-11:50 I. Artamkin, *Vector bundles on large limit curves.*

12:00-12:50 U. Bhosle, *Maximal subsheaves of torsion free sheaves.*

Friday

9:30-10:20 L. Katzarkov, *Homological Mirror Symmetry and Fukaya Seidel categories.*

11:00-11:50 A. L. Gorodentsev, *ALAG (Abelian Lagrangian Algebraic Geometry).*

12:00-12:30 M. Saidi, *On The Fundamental group of complete algebraic curves in positive characteristic.*

¹12:00-12:30 A. Caldararu, *On elliptic Calabi-Yau threefolds with 1-, 2- and 4-sections.*

14:30-15:20 M. Thaddeus, *Stable Maps to a Loop Group.*

15:30-16:00 D. Hyeon, *On bundles over a twisted curve.*

¹15:30-16:00 B. de Oliveira, *Moduli spaces of vector bundles on universal covers and the Shafarevich conjecture.*

16:30-17:20 T. L. Gomez, *Moduli space of principal sheaves over projective varieties.*

17:30-18:20 G. Hitching, *Moduli of principal $\mathrm{Sp}_2(\mathbb{C})$ -bundles over algebraic curves .*

Saturday

9:30-10:20 W. Goldman, *The Complex-Symplectic Geometry of $SL(2, \mathbb{C})$ -Moduli Spaces over Riemann surfaces.*

11:00-11:50 L. Jeffrey , *Representations of fundamental groups of nonorientable 2-manifolds.*

12:00-12:30 T. Abe, *An explicit basis of the space of anticanonical divisors of a moduli space of parabolic vector bundles of half weight on \mathbb{P}^1 .*

¹12:00-12:30 R. Albuquerque, *On the Twistor Theory of Symplectic Manifolds.*

14:30-15:20 V. Muñoz, *Topology of the moduli space of parabolic Higgs bundles and parabolic triples.*

15:30-16:20 S. Ramanan, *Hecke, Higgs and Hitchin.*

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