



Algebraic & Hyperbolic Geometry

New Connections

June 17th to 21st, 2013

Cabo Frio, Rio de Janeiro, Brazil

We hereby certify that, **Alexandre Ananin**, IMECC, participated in the Algebraic Geometry and Hyperbolic Geometry - New Connections, held at Cabo Frio – Rio de Janeiro, from June 17 to 21, 2013 and presented the following work: **A couple of approaches to constructing hyperbolic manifolds**

Cabo Frio, June 21, 2013.

Carolina Araujo
Organizing Committee

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We hereby certify that, **Benoît Claudon, Université de Lorraine**, participated in the Algebraic Geometry and Hyperbolic Geometry - New Connections, held at Cabo Frio – Rio de Janeiro, from June 17 to 21, 2013 and presented the following work: **Linear representations of Kähler groups: factorizations and holomorphic convexity**

Cabo Frio, June 21, 2013.

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We hereby certify that, **David Dumas, University of Illinois at Chicago**, participated in the Algebraic Geometry and Hyperbolic Geometry - New Connections, held at Cabo Frio – Rio de Janeiro, from June 17 to 21, 2013 and presented the following work: **Polygons in RP^2 and the Hitchin component of the complex plane**

Cabo Frio, June 21, 2013.

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We hereby certify that, **Dmitri Panov**, King's College London, participated in the Algebraic Geometry and Hyperbolic Geometry - New Connections, held at Cabo Frio – Rio de Janeiro, from June 17 to 21, 2013 and presented the following work: **Poliheral Kähler Manifolds**

Cabo Frio, June 21, 2013.

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We hereby certify that, **Domingo Toledo, University of Utah**, participated in the Algebraic Geometry and Hyperbolic Geometry - New Connections, held at Cabo Frio – Rio de Janeiro, from June 17 to 21, 2013 and presented the following work: **Geometry of Flag Domains and their Quotients**

Cabo Frio, June 21, 2013.

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We hereby certify that, **Jorge Vitório Bacellar dos Santos Pereira**, Instituto de Matematica Pura e Aplicada, participated in the Algebraic Geometry and Hyperbolic Geometry - New Connections, held at Cabo Frio – Rio de Janeiro, from June 17 to 21, 2013 and presented the following work:
Representations of quasi-projective fundamental groups and transversely homogeneous foliations

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We hereby certify that, **Julien Paupert**, **Arizona State University - W. P. Carey School of Business**, participated in the Algebraic Geometry and Hyperbolic Geometry - New Connections, held at Cabo Frio – Rio de Janeiro, from June 17 to 21, 2013 and presented the following work: **New non-arithmetic lattices in $SU(2,1)$**

Cabo Frio, June 21, 2013.

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We hereby certify that, **Jun-Muk Hwang**, **Korea Institute for Advanced Study**, participated in the Algebraic Geometry and Hyperbolic Geometry - New Connections, held at Cabo Frio – Rio de Janeiro, from June 17 to 21, 2013 and presented the following work: **Buser-Sarnak invariants of Prym varieties**

Cabo Frio, June 21, 2013.

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We hereby certify that, **Lamy Stéphane, Université Paul Sabatier - Toulouse**, participated in the Algebraic Geometry and Hyperbolic Geometry - New Connections, held at Cabo Frio – Rio de Janeiro, from June 17 to 21, 2013 and presented the following work: **Automorphisms group of affine 3-folds acting on simplicial or square-complexes**

Cabo Frio, June 21, 2013.

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We hereby certify that, **Luca Fabrizio Di Cerbo, Duke University**, participated in the Algebraic Geometry and Hyperbolic Geometry - New Connections, held at Cabo Frio – Rio de Janeiro, from June 17 to 21, 2013 and presented the following work: **Positivity in Kähler-Einstein theory and hyperbolic geometry**

Cabo Frio, June 21, 2013.

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We hereby certify that, **Matthew Stover**, **University of Michigan**, participated in the Algebraic Geometry and Hyperbolic Geometry - New Connections, held at Cabo Frio – Rio de Janeiro, from June 17 to 21, 2013 and presented the following work: **Curves on arithmetic complex hyperbolic surfaces**

Cabo Frio, June 21, 2013.

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We hereby certify that, **Michael Kapovich**, **University of California at Davis**, participated in the Algebraic Geometry and Hyperbolic Geometry - New Connections, held at Cabo Frio – Rio de Janeiro, from June 17 to 21, 2013 and presented the following work: **Euclidean/hyperbolic polyhedral complexes and topology of algebraic varieties**

Cabo Frio, June 21, 2013.

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We hereby certify that, **Nicholas Shepherd-Barron, University of Cambridge**, participated in the Algebraic Geometry and Hyperbolic Geometry - New Connections, held at Cabo Frio – Rio de Janeiro, from June 17 to 21, 2013 and presented the following work: **Effectivity questions about Cremona transformations**

Cabo Frio, June 21, 2013.

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We hereby certify that, **Nicolas Bergeron**, **Université Paris VI**, participated in the Algebraic Geometry and Hyperbolic Geometry - New Connections, held at Cabo Frio – Rio de Janeiro, from June 17 to 21, 2013 and presented the following work: **Hodge conjecture and arithmetic quotients of complex balls**

Cabo Frio, June 21, 2013.

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We hereby certify that, **Peter Shalen, University of Illinois at Chicago**, participated in the Algebraic Geometry and Hyperbolic Geometry - New Connections, held at Cabo Frio – Rio de Janeiro, from June 17 to 21, 2013 and presented the following work: **Diameter and homology of hyperbolic 3-manifolds**

Cabo Frio, June 21, 2013.

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We hereby certify that, **Pierre Py, Université de Strasbourg**, participated in the Algebraic Geometry and Hyperbolic Geometry - New Connections, held at Cabo Frio – Rio de Janeiro, from June 17 to 21, 2013 and presented the following work: **Kähler groups, real hyperbolic spaces and the Cremona group**

Cabo Frio, June 21, 2013.

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We hereby certify that, **Ted Chinburg, University of Pennsylvania**, participated in the Algebraic Geometry and Hyperbolic Geometry - New Connections, held at Cabo Frio – Rio de Janeiro, from June 17 to 21, 2013 and presented the following work: **Rational surfaces and orbit closures**

Cabo Frio, June 21, 2013.

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