

# 10<sup>th</sup> ALGA Meeting

Algebraic Geometry and Commutative Algebra

July 05<sup>th</sup> to 09<sup>th</sup>, 2010

IMPA, Rio de Janeiro, Brazil

## CERTIFICATE



We hereby certify that, *Alex Correa Abreu*, Instituto de Matematica Pura e Aplicada, participated in the 10<sup>th</sup> ALGA Meeting - Algebraic Geometry and Commutative Algebra, held at IMPA, Rio de Janeiro - RJ, from July 05 to 09, 2010 and presented the following work: "*Wronskian Classes on the Moduli Space of Curves*".

Rio de Janeiro, July 09, 2010.

A handwritten signature in blue ink that reads "Eduardo Esteves".

Eduardo Esteves

Organizing Committee



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We hereby certify that, *Alicia Dickenstein*, **Universidad de Buenos Aires**, participated in the 10<sup>th</sup> ALGA Meeting - Algebraic Geometry and Commutative Algebra, held at IMPA, Rio de Janeiro - RJ, from July 05 to 09, 2010 and presented the following work: "*The structure of smooth lattice polytopes with high codegree*".

Rio de Janeiro, July 09, 2010.

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We hereby certify that, **André Luís Contiero**, **Universidade Federal de Alagoas**, participated in the 10<sup>th</sup> ALGA Meeting - Algebraic Geometry and Commutative Algebra, held at IMPA, Rio de Janeiro - RJ, from July 05 to 09, 2010 and presented the following work: "*Upper Bounds for the Dimension of Moduli Space of Pointed Curves with Prescribed Gap Sequence*".

Rio de Janeiro, July 09, 2010.

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We hereby certify that, *Arnaldo Leite Pinto Garcia*, Instituto de Matematica Pura e Aplicada, participated in the 10<sup>th</sup> ALGA Meeting - Algebraic Geometry and Commutative Algebra, held at IMPA, Rio de Janeiro - RJ, from July 05 to 09, 2010 and presented the following work: "*On constructions of towers over finite fields*".

Rio de Janeiro, July 09, 2010.

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We hereby certify that, **Arnaud Beauville, Universite de Nice**, participated in the 10<sup>th</sup> ALGA Meeting - Algebraic Geometry and Commutative Algebra, held at IMPA, Rio de Janeiro - RJ, from July 05 to 09, 2010 and presented the following work: "*The Brauer group of Enriques surfaces*".

Rio de Janeiro, July 09, 2010.

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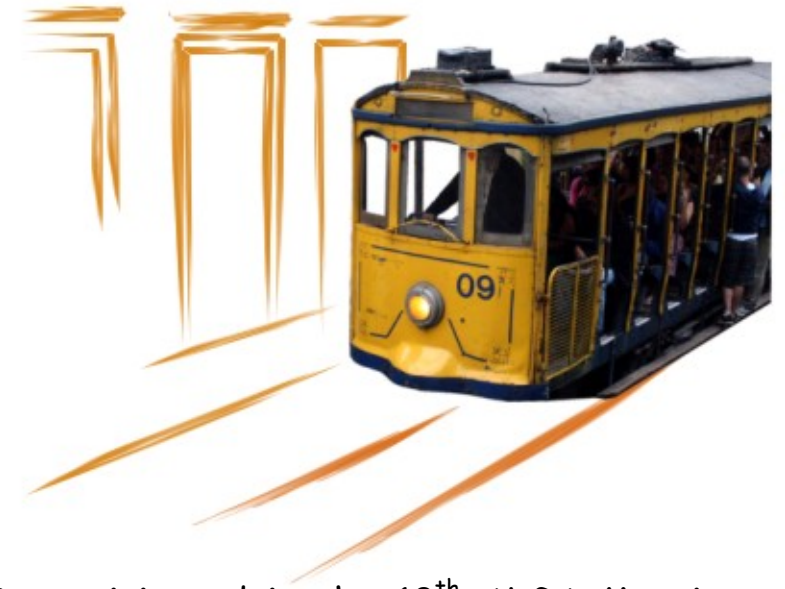
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We hereby certify that, *Carlet, Claude, Universite de Paris VIII*, participated in the 10<sup>th</sup> ALGA Meeting - Algebraic Geometry and Commutative Algebra, held at IMPA, Rio de Janeiro - RJ, from July 05 to 09, 2010 and presented the following work: "*Highly Nonlinear Filter Boolean Functions with High Algebraic Immunity for Stream Ciphers*".

Rio de Janeiro, July 09, 2010.

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We hereby certify that, *Carlos D'Andrea*, **Universitat de Barcelona**, participated in the 10<sup>th</sup> ALGA Meeting - Algebraic Geometry and Commutative Algebra, held at IMPA, Rio de Janeiro - RJ, from July 05 to 09, 2010 and presented the following work: "*Computing singularities of rational curves*".

Rio de Janeiro, July 09, 2010.

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We hereby certify that, *Cícero Fernandes de Carvalho*, Universidade Federal de Uberlândia, participated in the 10<sup>th</sup> ALGA Meeting - Algebraic Geometry and Commutative Algebra, held at IMPA, Rio de Janeiro - RJ, from July 05 to 09, 2010 and presented the following work: "*A reduced Groebner basis for the defining ideals of algebras which admits a complete set of near weights*".

Rio de Janeiro, July 09, 2010.

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We hereby certify that, *Enrique Reyes*, **Centro de Investigacion y Estudios Avanzados del Ipn**, participated in the 10<sup>th</sup> ALGA Meeting - Algebraic Geometry and Commutative Algebra, held at IMPA, Rio de Janeiro - RJ, from July 05 to 09, 2010 and presented the following work: "*Toric Ideals of Combinatorial Structures*".

Rio de Janeiro, July 09, 2010.

A handwritten signature in blue ink that reads "Eduardo Esteves".

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We hereby certify that, *Gabor Korchmaros*, **Universita Degli Studi della Basilicata**, participated in the 10<sup>th</sup> ALGA Meeting - Algebraic Geometry and Commutative Algebra, held at IMPA, Rio de Janeiro - RJ, from July 05 to 09, 2010 and presented the following work: "*On Maximal Curves and their Automorphism Groups*".

Rio de Janeiro, July 09, 2010.

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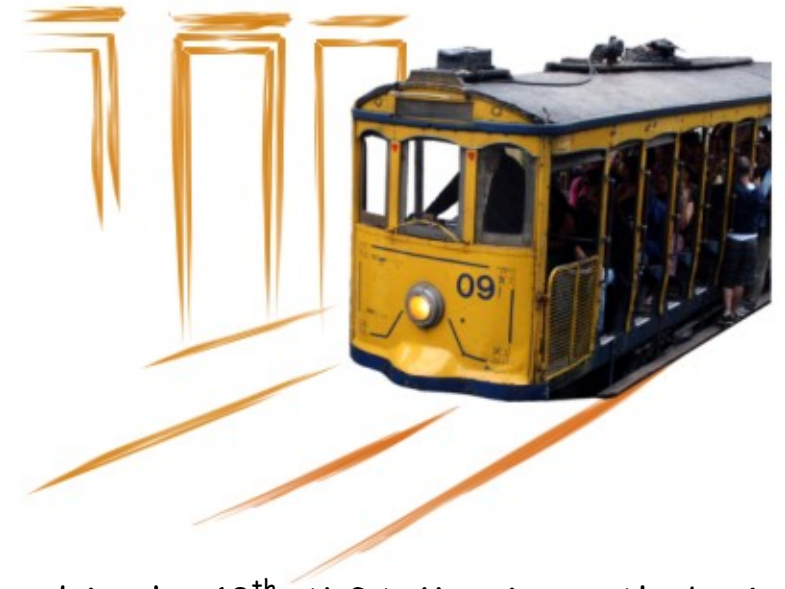
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We hereby certify that, *Hajime Kaji*, **Waseda University**, participated in the 10<sup>th</sup> ALGA Meeting - Algebraic Geometry and Commutative Algebra, held at IMPA, Rio de Janeiro - RJ, from July 05 to 09, 2010 and presented the following work: "*Gauss maps in positive characteristic*".

Rio de Janeiro, July 09, 2010.

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We hereby certify that, *Henning Stichtenoth*, **Sabanci University**, participated in the 10<sup>th</sup> ALGA Meeting - Algebraic Geometry and Commutative Algebra, held at IMPA, Rio de Janeiro - RJ, from July 05 to 09, 2010 and presented the following work: "*On the number of points on algebraic curves over finite fields*".

Rio de Janeiro, July 09, 2010.

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We hereby certify that, *Herivelto Martins Borges Filho*, **IMECC**, participated in the 10<sup>th</sup> ALGA Meeting - Algebraic Geometry and Commutative Algebra, held at IMPA, Rio de Janeiro - RJ, from July 05 to 09, 2010 and presented the following work: "*Minimal value set polynomials and Frobenius non-classical curves*".

Rio de Janeiro, July 09, 2010.

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We hereby certify that, **Jesse Kass, University of Michigan**, participated in the 10<sup>th</sup> ALGA Meeting - Algebraic Geometry and Commutative Algebra, held at IMPA, Rio de Janeiro - RJ, from July 05 to 09, 2010 and presented the following work: "*Local Structure of the Theta Divisor*".

Rio de Janeiro, July 09, 2010.

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We hereby certify that, *Jose Felipe Voloch*, **University of Texas**, participated in the 10<sup>th</sup> ALGA Meeting - Algebraic Geometry and Commutative Algebra, held at IMPA, Rio de Janeiro - RJ, from July 05 to 09, 2010 and presented the following work: "*Elements of large order in finite fields*".

Rio de Janeiro, July 09, 2010.

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We hereby certify that, *Marcelo José Saia*, USP - Instituto de Ciências Matemáticas e Computação São Carlos, participated in the 10<sup>th</sup> ALGA Meeting - Algebraic Geometry and Commutative Algebra, held at IMPA, Rio de Janeiro - RJ, from July 05 to 09, 2010 and presented the following work: "*A characterization of Newton non degenerate modules and multiplicities*".

Rio de Janeiro, July 09, 2010.

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We hereby certify that, **Marco Pacini, Universidade Federal Fluminense**, participated in the 10<sup>th</sup> ALGA Meeting - Algebraic Geometry and Commutative Algebra, held at IMPA, Rio de Janeiro - RJ, from July 05 to 09, 2010 and presented the following work: "*On the second Abel map for a singular curves*".

Rio de Janeiro, July 09, 2010.

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We hereby certify that, **Marcos Jardim**, **IMECC**, participated in the 10<sup>th</sup> ALGA Meeting - Algebraic Geometry and Commutative Algebra, held at IMPA, Rio de Janeiro - RJ, from July 05 to 09, 2010 and presented the following work: "*Perverse coherent sheaves on projective spaces*".

Rio de Janeiro, July 09, 2010.

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We hereby certify that, *Masaaki Homma*, **Kanagawa University**, participated in the 10<sup>th</sup> ALGA Meeting - Algebraic Geometry and Commutative Algebra, held at IMPA, Rio de Janeiro - RJ, from July 05 to 09, 2010 and presented the following work: "*Sziklai conjecture on the number of points of a plane curve over a finite field.*"

Rio de Janeiro, July 09, 2010.

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We hereby certify that, **Sebastian Casalaina-Martin**, University of Colorado at Boulder, participated in the 10<sup>th</sup> ALGA Meeting - Algebraic Geometry and Commutative Algebra, held at IMPA, Rio de Janeiro - RJ, from July 05 to 09, 2010 and presented the following work: "*Simultaneous stable reduction for curves with ADE singularities*".

Rio de Janeiro, July 09, 2010.

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We hereby certify that, **Steven L Kleiman, Massachusetts Institute of Technology**, participated in the 10<sup>th</sup> ALGA Meeting - Algebraic Geometry and Commutative Algebra, held at IMPA, Rio de Janeiro - RJ, from July 05 to 09, 2010 and presented the following work: "*The Epsilon Multiplicity and Equisingularity*".

Rio de Janeiro, July 09, 2010.

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We hereby certify that, *Thiago Fassarella do Amaral*, **Universidade Federal Fluminense**, participated in the 10<sup>th</sup> ALGA Meeting - Algebraic Geometry and Commutative Algebra, held at IMPA, Rio de Janeiro - RJ, from July 05 to 09, 2010 and presented the following work: "*Developable webs*".

Rio de Janeiro, July 09, 2010.

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