

# 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, *Abbas Nasrollah Nejad*, **Universidade Federal de Pernambuco**, 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.

Rio de Janeiro, July 09, 2010.

Eduardo Esteves

Organizing Committee



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

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IMPA, Rio de Janeiro, Brazil

## CERTIFICATE



We hereby certify that, **Abramo Hefez, 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.

Rio de Janeiro, July 09, 2010.

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

IMPA, Rio de Janeiro, Brazil

## CERTIFICATE



We hereby certify that, *Alejandro Simarra Cañate*, 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.

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IMPA, Rio de Janeiro, Brazil

## CERTIFICATE



We hereby certify that, *Altamar Brito Lima*, 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.

Rio de Janeiro, July 09, 2010.

A handwritten signature in blue ink, which appears to read 'Eduardo Esteves', is written over the printed name.

Eduardo Esteves

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# 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, *André Vinicius Santos Dória*, **Universidade Federal de Pernambuco**, 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.

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

IMPA, Rio de Janeiro, Brazil

## CERTIFICATE



We hereby certify that, *Andrea Luiza Gonçalves Martinho*, Universidade Federal do Rio de Janeiro, 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.

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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, *Antonio Marcos Ferreira da Silva*, Universidade Federal de Minas Gerais, 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.

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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, *Bárbara Costa da Silva*, **Universidade Federal de Pernambuco**, 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.

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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, *Beatriz Casulari da Motta Ribeiro*, **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.

Rio de Janeiro, July 09, 2010.

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IMPA, Rio de Janeiro, Brazil

## CERTIFICATE



We hereby certify that, *Camilo David Moreira Dorado*, **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.

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Algebraic Geometry and Commutative Algebra

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IMPA, Rio de Janeiro, Brazil

## CERTIFICATE



We hereby certify that, *Carolina Bhering de Araujo*, 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.

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## CERTIFICATE



We hereby certify that, *Claudio Plinio Campana Chacca*, **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.

Rio de Janeiro, July 09, 2010.

A handwritten signature in blue ink, which appears to read "Eduardo Esteves".

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## CERTIFICATE



We hereby certify that, *Cristian Andres Cruz Torres*, 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.

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## CERTIFICATE



We hereby certify that, *Dan Avritzer*, **Universidade Federal de Minas Gerais**, 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.

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## CERTIFICATE



We hereby certify that, *Daniel Carlos Leite*, **Universidade Federal de Minas Gerais**, 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.

Rio de Janeiro, July 09, 2010.

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

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## CERTIFICATE



We hereby certify that, *Daniel Levcovitz*, **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.

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IMPA, Rio de Janeiro, Brazil

## CERTIFICATE



We hereby certify that, *Douglas Monsôres de Melo Santos*, 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.

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## CERTIFICATE



We hereby certify that, *Eduardo Esteves*, 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.

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## CERTIFICATE



We hereby certify that, *Fábio Xavier Penna*, 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.

Rio de Janeiro, July 09, 2010.

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

Eduardo Esteves

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## CERTIFICATE



We hereby certify that, *Fernando Antonio Xavier de Souza*, Universidade Federal da Paraíba - João Pessoa, 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.

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## CERTIFICATE



We hereby certify that, *Flaviana Andréa Ribeiro*, Universidade Federal de Juiz de Fora, 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.

Rio de Janeiro, July 09, 2010.

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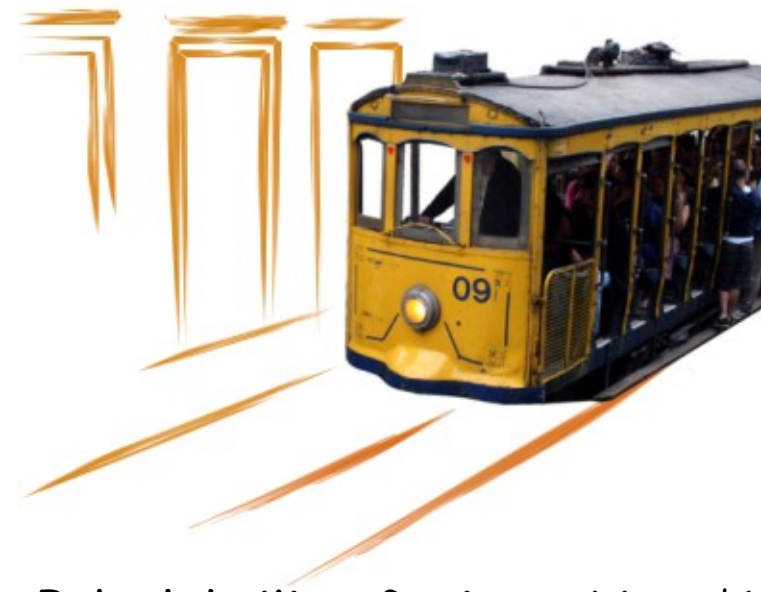
# 10<sup>th</sup> ALGA Meeting

Algebraic Geometry and Commutative Algebra

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## CERTIFICATE



We hereby certify that, *Flaviano Bahia Paulinelli Vieira*, **Universidade Federal de Minas Gerais**, 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.

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IMPA, Rio de Janeiro, Brazil

## CERTIFICATE



We hereby certify that, *Flavio Ferreira da Rocha*, 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.

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We hereby certify that, *Francesco Nosedà*, **Universidade Federal do Rio de Janeiro**, 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.

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## CERTIFICATE



We hereby certify that, *Frederico Sercio Feitosa*, **Universidade Federal de Juiz de Fora**, 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.

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We hereby certify that, *Israel Vainsencher*, **Universidade Federal de Minas Gerais**, 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.

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We hereby certify that, *Jairo Menezes e Souza*, **Universidade Federal de Minas Gerais**, 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.

Rio de Janeiro, July 09, 2010.

Eduardo Esteves

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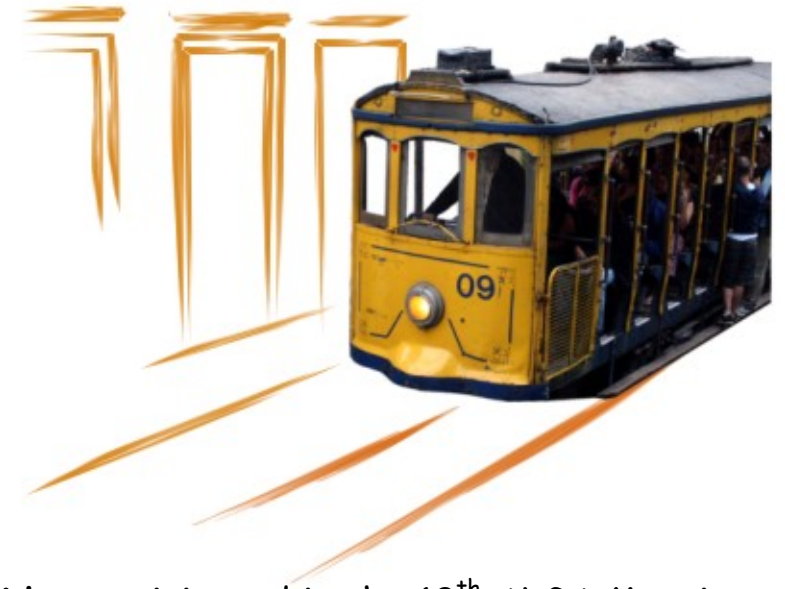
# 10<sup>th</sup> ALGA Meeting

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IMPA, Rio de Janeiro, Brazil

## CERTIFICATE



We hereby certify that, *Jayron Soares, Universidade Veiga de Almeida*, 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.

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## CERTIFICATE

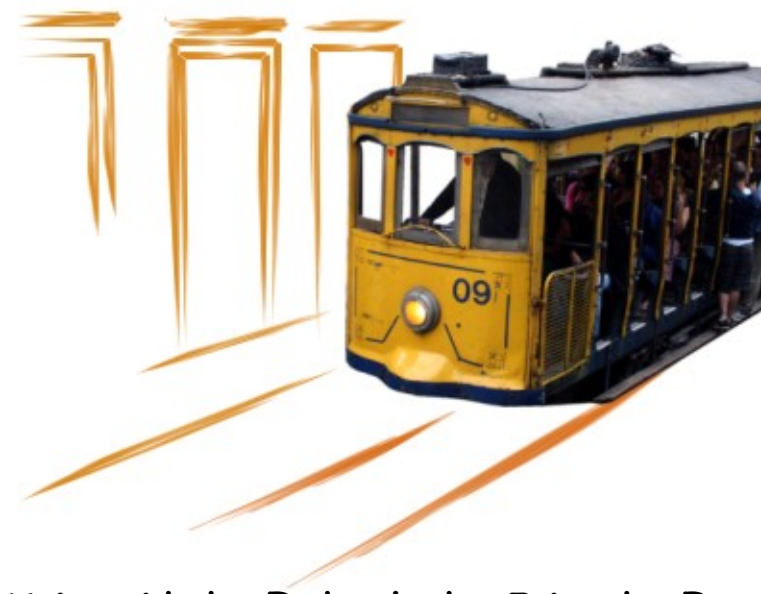
We hereby certify that, *Joana Darc Antonia Santos da Cruz*, Universidade Federal de Juiz de Fora, participated in the 10<sup>th</sup> ALGA Meeting - Algebraic Geometry and Commutative Algebra, held at IMPA, Rio de Janeiro - RJ, from July 05 to 09, 2010.

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We hereby certify that, *Juliana Coelho Chaves*, **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.

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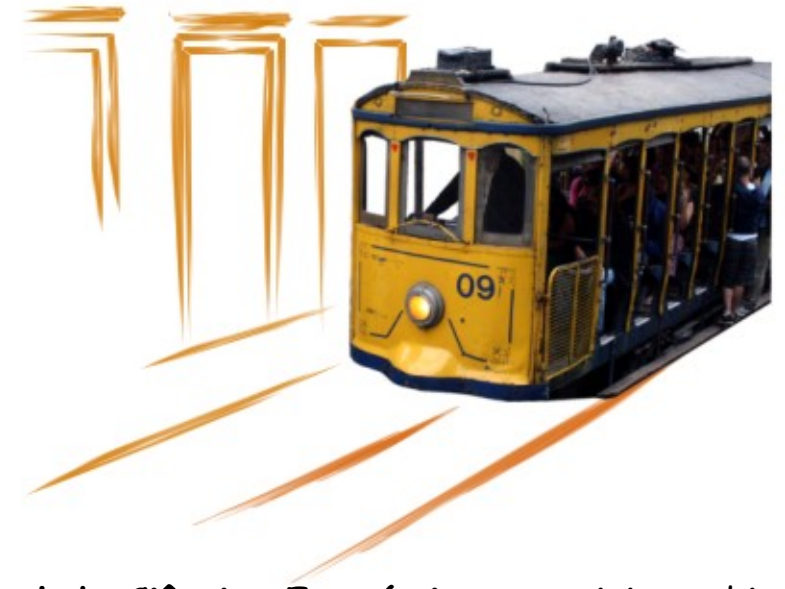
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## CERTIFICATE



We hereby certify that, *Juscelino Bezerra dos Santos*, *Escola Nacional de Ciências Estatísticas*, 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.

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IMPA, Rio de Janeiro, Brazil

## CERTIFICATE



We hereby certify that, *Leandro Tomaz de Araujo*, Universidade Federal Rural do Rio de Janeiro, 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.

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IMPA, Rio de Janeiro, Brazil

## CERTIFICATE



We hereby certify that, *Luciane Quoos*, **Universidade Federal do Rio de Janeiro**, 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.

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IMPA, Rio de Janeiro, Brazil

## CERTIFICATE



We hereby certify that, *Manáira Lima da Silva*, **Universidade Federal de Pernambuco**, 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.

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IMPA, Rio de Janeiro, Brazil

## CERTIFICATE



We hereby certify that, *Marcela Duarte da Silva*, 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.

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IMPA, Rio de Janeiro, Brazil

## CERTIFICATE



We hereby certify that, *María de los Angeles Chara*, Instituto de Matemática Aplicada del Litoral, 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.

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

IMPA, Rio de Janeiro, Brazil

## CERTIFICATE



We hereby certify that, *Mauro Fernando Hernandez Iglesias*, **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.

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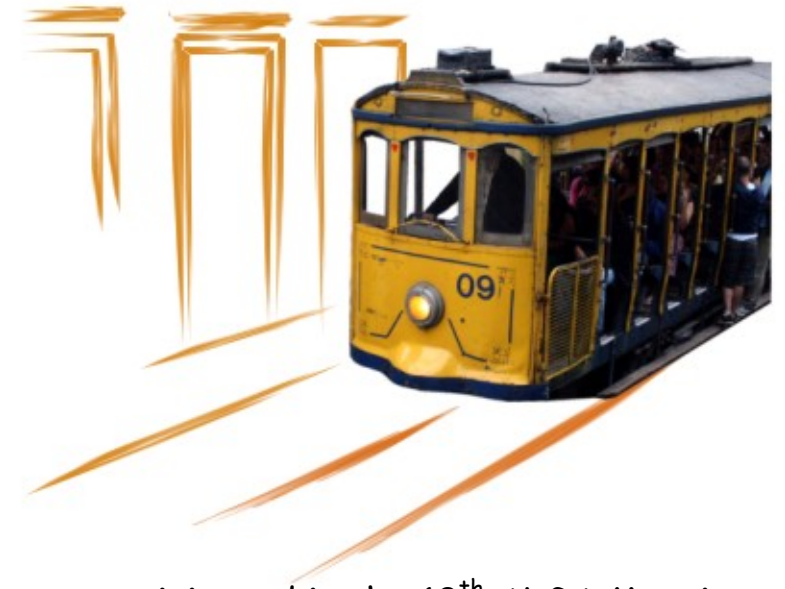
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July 05<sup>th</sup> to 09<sup>th</sup>, 2010

IMPA, Rio de Janeiro, Brazil

## CERTIFICATE



We hereby certify that, *Miriam Abdon*, **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.

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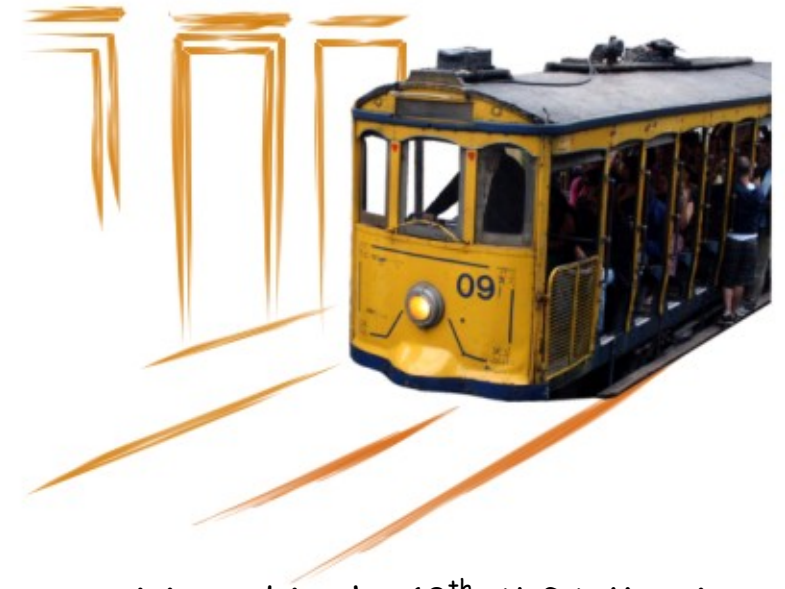
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## CERTIFICATE



We hereby certify that, **Nayara Santos**, **Universidade Castelo Branco**, 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.

Rio de Janeiro, July 09, 2010.

A handwritten signature in blue ink, which appears to read "Eduardo Esteves".

Eduardo Esteves

Organizing Committee



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## CERTIFICATE



We hereby certify that, *Nazar Arakelian*, Instituto de Matemática e Estatística, 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.

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## CERTIFICATE



We hereby certify that, *Nicolas Puignau*, 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.

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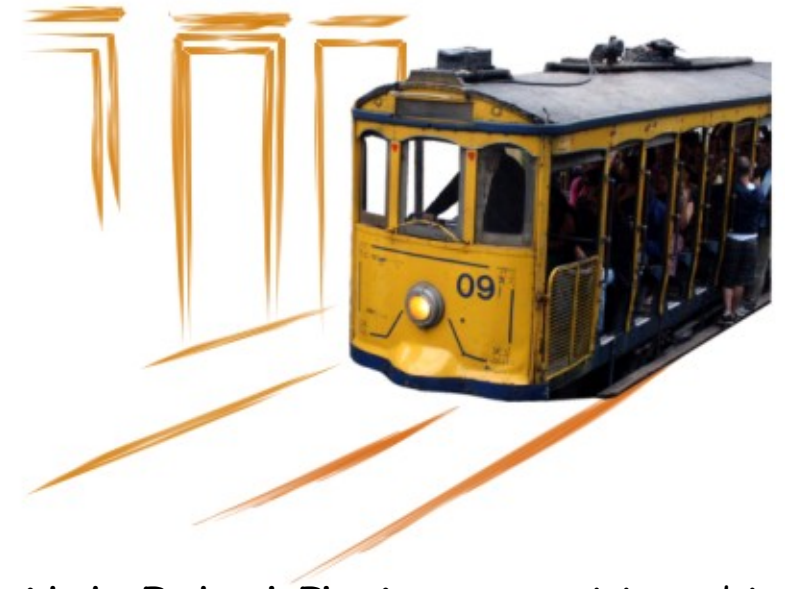
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## CERTIFICATE



We hereby certify that, *Nivaldo Nunes de Medeiros Junior*, 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.

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## CERTIFICATE



We hereby certify that, *Parham Salehyan*, Universidade Estadual Paulista - São José do Rio Preto, 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.

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We hereby certify that, *Pedro Hernandez Rizzo*, 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.

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## CERTIFICATE



We hereby certify that, *Rafael Lucas de Arruda*, Universidade Estadual Paulista - São José do Rio Preto, 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.

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IMPA, Rio de Janeiro, Brazil

## CERTIFICATE



We hereby certify that, *Roberto Callejas Bedregal*, Universidade Federal da Paraíba - João Pessoa, 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.

Rio de Janeiro, July 09, 2010.

Eduardo Esteves

Organizing Committee



Sponsors



# 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, *Rodrigo Jose Gondim Neves*, Universidade Federal Rural de Pernambuco, 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.

Rio de Janeiro, July 09, 2010.

Eduardo Esteves

Organizing Committee



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# 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, *Sergio Licanic*, **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.

Rio de Janeiro, July 09, 2010.

Eduardo Esteves

Organizing Committee



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# 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, *Thiago Dias Oliveira Silva*, **Universidade Federal de Pernambuco**, 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.

Rio de Janeiro, July 09, 2010.

Eduardo Esteves

Organizing Committee



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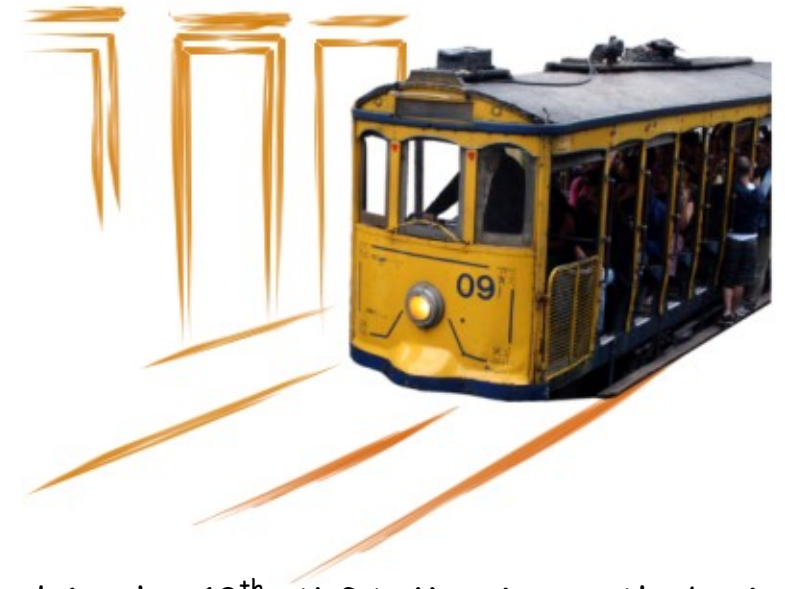
# 10<sup>th</sup> ALGA Meeting

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, *Tiago Nunes Castilho*, **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.

Rio de Janeiro, July 09, 2010.

Eduardo Esteves

Organizing Committee



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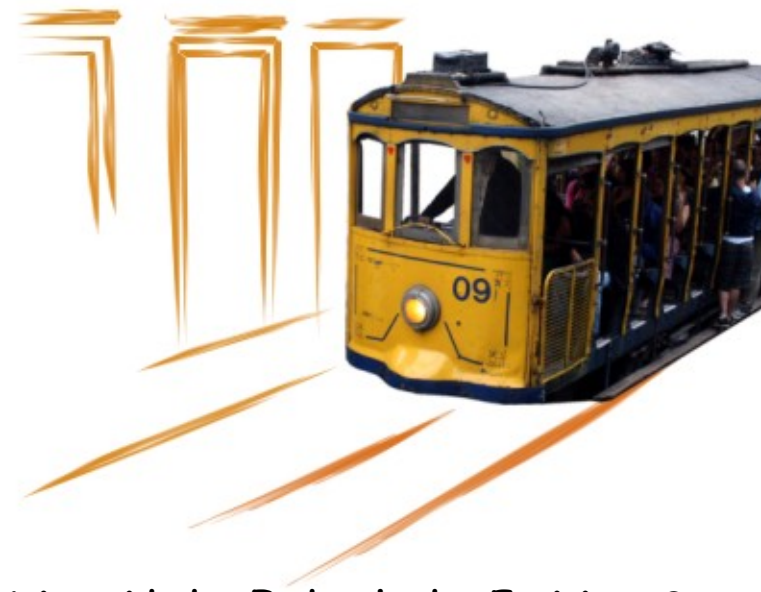
# 10<sup>th</sup> ALGA Meeting

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, *Valmecir Antonio dos Santos Bayer*, Universidade Federal do Espirito Santo, 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.

Rio de Janeiro, July 09, 2010.

A handwritten signature in blue ink, which appears to read "Eduardo Esteves".

Eduardo Esteves

Organizing Committee



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# 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, *Viviana Ferrer Cuadrado*, 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.

Rio de Janeiro, July 09, 2010.

Eduardo Esteves

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# 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, *Wanderson Costa e Silva*, 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.

Rio de Janeiro, July 09, 2010.

A handwritten signature in blue ink, which appears to read "Eduardo Esteves".

Eduardo Esteves

Organizing Committee



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