



# 14th ALGA Meeting

Commutative Algebra and Algebraic Geometry

IMPA, Rio de Janeiro - February 6-10, 2017

We hereby certify that, ***Cristhian Garay***, **Universidade Federal Fluminense**, participated in the 14<sup>th</sup> ALGA - Álgebra Comutativa e Geometria Algébrica, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from February 6<sup>th</sup> to 10<sup>th</sup>, 2017 and presented the following work:  
**“Constructing real algebraic curves with many real Weierstrass points using tropical geometry”.**

Rio de Janeiro, February 10<sup>th</sup>, 2017

A handwritten signature in blue ink that reads "Carolina B. Araujo".

Carolina B. Araujo  
Organizing Committee

A logo celebrating 20 years, featuring the number "20" in a stylized, green, 3D block font above the word "years" in a smaller, green, sans-serif font. The background of the banner is a photograph of a green lawn with a dirt path.

# CERTIFICATE



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We hereby certify that, ***Esteban José Arreaga Ambéliz***, Instituto Nacional de Matemática Pura e Aplicada, participated in the 14<sup>th</sup> ALGA - Álgebra Comutativa e Geometria Algébrica, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from February 6<sup>th</sup> to 10<sup>th</sup>, 2017 and presented the following work: “**Compactness and properness over the adeles**”.

Rio de Janeiro, February 10<sup>th</sup>, 2017

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Carolina B. Araujo  
Organizing Committee

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We hereby certify that, **Josnei Antonio Novacoski**, **Inst. de Ciências Matemáticas e de Computação**, participated in the 14<sup>th</sup> ALGA - Álgebra Comutativa e Geometria Algébrica, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from February 6<sup>th</sup> to 10<sup>th</sup>, 2017 and presented the following work: **“Reduction of local uniformization to the rank one case”**.

Rio de Janeiro, February 10<sup>th</sup>, 2017

A handwritten signature in blue ink that reads "Carolina B. Araujo".

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20  
years

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We hereby certify that, **Lucas von Haehling Braune**, Instituto Nacional de Matemática Pura e Aplicada, participated in the 14<sup>th</sup> ALGA - Álgebra Comutativa e Geometria Algébrica, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from February 6<sup>th</sup> to 10<sup>th</sup>, 2017 and presented the following work: “**Nonrational Complete Intersections**”.

Rio de Janeiro, February 10<sup>th</sup>, 2017

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Carolina B. Araujo  
Organizing Committee

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We hereby certify that, **Maral Mostafazadehfard**, **IMPA - Pós-Doutorando**, participated in the 14<sup>th</sup> ALGA - Álgebra Comutativa e Geometria Algébrica, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from February 6<sup>th</sup> to 10<sup>th</sup>, 2017 and presented the following work:  
**“Singularities of some determinantal ideals”**.

Rio de Janeiro, February 10<sup>th</sup>, 2017

A handwritten signature in blue ink that reads "Carolina B. Araujo".

Carolina B. Araujo  
Organizing Committee



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We hereby certify that, *María de los Angeles Chara*, Instituto de Matemática Aplicada del Litoral, participated in the 14<sup>th</sup> ALGA - Álgebra Comutativa e Geometria Algébrica, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from February 6<sup>th</sup> to 10<sup>th</sup>, 2017 and presented the following work: “**On subtowers of towers of function fields**”.

Rio de Janeiro, February 10<sup>th</sup>, 2017

A handwritten signature in blue ink that reads "Carolina B. Araujo".

Carolina B. Araujo  
Organizing Committee

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We hereby certify that, ***Rick Antonio Rischter***, Instituto Nacional de Matemática Pura e Aplicada, participated in the 14<sup>th</sup> ALGA - Álgebra Comutativa e Geometria Algébrica, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from February 6<sup>th</sup> to 10<sup>th</sup>, 2017 and presented the following work: “**Osculating Projections and Secant Defects**”.

Rio de Janeiro, February 10<sup>th</sup>, 2017

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We hereby certify that, **Rodrigo José Gondim Neves**, **Universidade Federal Rural de Pernambuco**, participated in the 14<sup>th</sup> ALGA - Álgebra Comutativa e Geometria Algébrica, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from February 6<sup>th</sup> to 10<sup>th</sup>, 2017 and presented the following work: “**Lefschetz properties for Gorenstein artinian algebras presented by quadrics**”.

Rio de Janeiro, February 10<sup>th</sup>, 2017

A handwritten signature in blue ink, reading "Carolina B. Araujo".

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