

# CERTIFICATE

Thematic Program on  
**Algebraic Geometry**



## Moduli Spaces and Enumerative Geometry

IMPA, Rio de Janeiro, Brazil  
April 6-10, 2015

We hereby certify that, **Alan Thompson, University of Waterloo**, participated in the Moduli Spaces and Enumerative Geometry - Thematic Program on Algebraic Geometry, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 6 to 10, 2015 and presented the following work: **“Towards a Compactification of the Moduli Space of K3 Surfaces of Degree Two”**.

Rio de Janeiro, April 10, 2015.

A handwritten signature in blue ink, appearing to read 'Eduardo Esteves'.

Eduardo Esteves

Organizing Committee



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## Moduli Spaces and Enumerative Geometry

IMPA, Rio de Janeiro, Brazil  
April 6-10, 2015

We hereby certify that, **Alessandro Chiodo**, Institut de Mathematiques de Jussieu, participated in the Moduli Spaces and Enumerative Geometry - Thematic Program on Algebraic Geometry, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 6 to 10, 2015 and presented the following work: “**Néron models of Picard groups via Picard groups**”.

Rio de Janeiro, April 10, 2015.

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## Moduli Spaces and Enumerative Geometry

IMPA, Rio de Janeiro, Brazil  
April 6-10, 2015

We hereby certify that, **Alex Massarenti**, **IMPA - Pós-Doutorando de Excelência**, participated in the Moduli Spaces and Enumerative Geometry - Thematic Program on Algebraic Geometry, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 6 to 10, 2015 and presented the following work: “**On the automorphisms groups of moduli spaces of curves**”.

Rio de Janeiro, April 10, 2015.

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April 6-10, 2015

We hereby certify that, **Bernd Siebert**, **Universität Hamburg**, participated in the Moduli Spaces and Enumerative Geometry - Thematic Program on Algebraic Geometry, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 6 to 10, 2015 and presented the following work: “**Toward a toroidal modular compactification of moduli spaces of polarized K3 surfaces**”.

Rio de Janeiro, April 10, 2015.

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We hereby certify that, **Dawei Chen, Boston College**, participated in the Moduli Spaces and Enumerative Geometry - Thematic Program on Algebraic Geometry, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 6 to 10, 2015 and presented the following work: “**Moduli spaces of curves and Teichmueller dynamics**”.

Rio de Janeiro, April 10, 2015.

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We hereby certify that, ***Eduardo de Sequeira Esteves***, Instituto Nacional de Matemática Pura e Aplicada, participated in the Moduli Spaces and Enumerative Geometry - Thematic Program on Algebraic Geometry, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 6 to 10, 2015 and presented the following work: “**Introduction to Moduli Theory**”.

Rio de Janeiro, April 10, 2015.

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We hereby certify that, **Ethan Cotterill, Universidade Federal Fluminense**, participated in the Moduli Spaces and Enumerative Geometry - Thematic Program on Algebraic Geometry, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 6 to 10, 2015 and presented the following work: “**Dimension counts for singular rational curves in  $P^n$** ”.

Rio de Janeiro, April 10, 2015.

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We hereby certify that, **Francesco Cavazzani, Harvard University**, participated in the Moduli Spaces and Enumerative Geometry - Thematic Program on Algebraic Geometry, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 6 to 10, 2015 and presented the following work: “**Complete twisted cubics**”.

Rio de Janeiro, April 10, 2015.

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We hereby certify that, **Israel Vainsencher, Universidade Federal de Minas Gerais**, participated in the Moduli Spaces and Enumerative Geometry - Thematic Program on Algebraic Geometry, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 6 to 10, 2015 and presented the following work: “**Foliations singular along a curve**”.

Rio de Janeiro, April 10, 2015.

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We hereby certify that, **Jarod Alper, Australian National University**, participated in the Moduli Spaces and Enumerative Geometry - Thematic Program on Algebraic Geometry, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 6 to 10, 2015 and presented the following work: “**A Luna etale slice theorem for algebraic stacks**”.

Rio de Janeiro, April 10, 2015.

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We hereby certify that, **Marco Pacini, Universidade Federal Fluminense**, participated in the Moduli Spaces and Enumerative Geometry - Thematic Program on Algebraic Geometry, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 6 to 10, 2015 and presented the following work: “**Moduli of enriched curves**”.

Rio de Janeiro, April 10, 2015.

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We hereby certify that, **Marcos Jardim, IMECC**, participated in the Moduli Spaces and Enumerative Geometry - Thematic Program on Algebraic Geometry, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 6 to 10, 2015 and presented the following work: **“New divisors in the boundary of the instanton moduli space”**.

Rio de Janeiro, April 10, 2015.

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We hereby certify that, **Ragni Piene, Oslo University**, participated in the Moduli Spaces and Enumerative Geometry - Thematic Program on Algebraic Geometry, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 6 to 10, 2015 and presented the following work: “**Counting curves on singular surfaces**”.

Rio de Janeiro, April 10, 2015.

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We hereby certify that, **Ugo Bruzzo**, **Scuola Internazionale Superiore Studi Avanzati - Trieste**, participated in the Moduli Spaces and Enumerative Geometry - Thematic Program on Algebraic Geometry, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 6 to 10, 2015 and presented the following work: “**Higgs Geometry**”.

Rio de Janeiro, April 10, 2015.

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We hereby certify that, **Valery Alexeev, University of Georgia**, participated in the Moduli Spaces and Enumerative Geometry - Thematic Program on Algebraic Geometry, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 6 to 10, 2015 and presented the following work: “**On uniformization of moduli spaces of abelian varieties**”.

Rio de Janeiro, April 10, 2015.

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