



# Workshop on Teichmüller Theory, Hyperbolicity and Dynamics

IMPA, Rio de Janeiro, June 23 – 29, 2019

We hereby certify that, **Alcides de Carvalho Júnior** - Instituto de Matemática Pura e Aplicada, participated in the Teichmüller Theory, Hyperbolicity and Dynamics, held at IMPA, Rio de Janeiro, June 23 – 29, 2019.

Rio de Janeiro, June 29<sup>th</sup>, 2019

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We hereby certify that, **Alessia Mandini** - **Pontifícia Universidade Católica do Rio de Janeiro**, participated in the Teichmüller Theory, Hyperbolicity and Dynamics, held at IMPA, Rio de Janeiro, June 23 – 29, 2019.

Rio de Janeiro, June 29<sup>th</sup>, 2019

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We hereby certify that, **Alexandre Ananin** - Inst. Ciên. Matemática e Comp. de São Carlos, participated in the Teichmüller Theory, Hyperbolicity and Dynamics, held at IMPA, Rio de Janeiro, June 23 – 29, 2019.

Rio de Janeiro, June 29<sup>th</sup>, 2019

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We hereby certify that, **Diego Marques Ferreira - Universidade de Brasilia**, participated in the Teichmüller Theory, Hyperbolicity and Dynamics, held at IMPA, Rio de Janeiro, June 23 – 29, 2019.

Rio de Janeiro, June 29<sup>th</sup>, 2019

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We hereby certify that, **Dmitri Panov - King's College London**, participated in the Teichmüller Theory, Hyperbolicity and Dynamics, held at IMPA, Rio de Janeiro, June 23 – 29, 2019.

Rio de Janeiro, June 29<sup>th</sup>, 2019

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We hereby certify that, ***Fabiola Valeria Cordero Uriona*** - **Pontifícia Universidade Católica do Rio de Janeiro**, participated in the Teichmüller Theory, Hyperbolicity and Dynamics, held at IMPA, Rio de Janeiro, June 23 – 29, 2019.

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We hereby certify that, ***Fernando Nera Lenarduzzi*** - Instituto de Matemática Pura e Aplicada, participated in the Teichmüller Theory, Hyperbolicity and Dynamics, held at IMPA, Rio de Janeiro, June 23 – 29, 2019.

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We hereby certify that, **Filipe Kley Dale Munhoz** - **Universidade Federal Rural do Rio de Janeiro**, participated in the Teichmüller Theory, Hyperbolicity and Dynamics, held at IMPA, Rio de Janeiro, June 23 – 29, 2019.

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We hereby certify that, **Gabriel Calsamiglia** - **Universidade Federal Fluminense**, participated in the Teichmüller Theory, Hyperbolicity and Dynamics, held at IMPA, Rio de Janeiro, June 23 – 29, 2019.

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We hereby certify that, **Gabriele Mondello** - **University of Roma "la Sapienza"**, participated in the Teichmüller Theory, Hyperbolicity and Dynamics, held at IMPA, Rio de Janeiro, June 23 – 29, 2019.

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We hereby certify that, **Gabriella Maria Radke Chaves** - **Universidade Federal do Rio de Janeiro**, participated in the Teichmüller Theory, Hyperbolicity and Dynamics, held at IMPA, Rio de Janeiro, June 23 – 29, 2019.

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We hereby certify that, **Gaël Cousin - Instituto de Matemática e Estatística da Universidade Federal Fluminense**, participated in the Teichmüller Theory, Hyperbolicity and Dynamics, held at IMPA, Rio de Janeiro, June 23 – 29, 2019.

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We hereby certify that, **Gregory Cosac - Instituto de Matemática Pura e Aplicada**, participated in the Teichmüller Theory, Hyperbolicity and Dynamics, held at IMPA, Rio de Janeiro, June 23 – 29, 2019.

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We hereby certify that, **Hugo Fonseca Araújo** - Instituto de Matemática Pura e Aplicada, participated in the Teichmüller Theory, Hyperbolicity and Dynamics, held at IMPA, Rio de Janeiro, June 23 – 29, 2019.

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We hereby certify that, **Jacob Palis** - Instituto de Matemática Pura e Aplicada, participated in the Teichmüller Theory, Hyperbolicity and Dynamics, held at IMPA, Rio de Janeiro, June 23 – 29, 2019.

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We hereby certify that, **Jamerson Douglas dos Santos Bezerra - Instituto de Matemática Pura e Aplicada**, participated in the Teichmüller Theory, Hyperbolicity and Dynamics, held at IMPA, Rio de Janeiro, June 23 – 29, 2019.

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We hereby certify that, **John Loftin - Rutgers University - Newark**, participated in the Teichmüller Theory, Hyperbolicity and Dynamics, held at IMPA, Rio de Janeiro, June 23 – 29, 2019.

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We hereby certify that, ***Khadim War*** - Instituto de Matemática Pura e Aplicada, participated in the Teichmüller Theory, Hyperbolicity and Dynamics, held at IMPA, Rio de Janeiro, June 23 – 29, 2019.

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We hereby certify that, ***Maria José Pacífico*** - **Universidade Federal do Rio de Janeiro**, participated in the Teichmüller Theory, Hyperbolicity and Dynamics, held at IMPA, Rio de Janeiro, June 23 – 29, 2019.

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We hereby certify that, **Martin Bridgeman - Boston College**, participated in the Teichmüller Theory, Hyperbolicity and Dynamics, held at IMPA, Rio de Janeiro, June 23 – 29, 2019.

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We hereby certify that, **Mikhail Belolipetsky** - Instituto de Matemática Pura e Aplicada, participated in the Teichmüller Theory, Hyperbolicity and Dynamics, held at IMPA, Rio de Janeiro, June 23 – 29, 2019.

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We hereby certify that, **Misha Verbitsky** - Institute for High Energy Physics, Protvino, Moscow Region, participated in the Teichmüller Theory, Hyperbolicity and Dynamics, held at IMPA, Rio de Janeiro, June 23 – 29, 2019.

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We hereby certify that, **Philip Engel** - **University of Georgia**, participated in the Teichmüller Theory, Hyperbolicity and Dynamics, held at IMPA, Rio de Janeiro, June 23 – 29, 2019.

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We hereby certify that, **Raimundo Neto Nunes Leão** - **Universidade Federal do Pará**, participated in the Teichmüller Theory, Hyperbolicity and Dynamics, held at IMPA, Rio de Janeiro, June 23 – 29, 2019.

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We hereby certify that, **Richard Canary - University of Michigan**, participated in the Teichmüller Theory, Hyperbolicity and Dynamics, held at IMPA, Rio de Janeiro, June 23 – 29, 2019.

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We hereby certify that, **Sandoel de Brito Vieira** - Instituto de Matemática Pura e Aplicada, participated in the Teichmüller Theory, Hyperbolicity and Dynamics, held at IMPA, Rio de Janeiro, June 23 – 29, 2019.

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We hereby certify that, **Sorin Dumitrescu - Université de Nice**, participated in the Teichmüller Theory, Hyperbolicity and Dynamics, held at IMPA, Rio de Janeiro, June 23 – 29, 2019.

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We hereby certify that, **Wenxiang Huang** - Instituto de Matemática Pura e Aplicada, participated in the Teichmüller Theory, Hyperbolicity and Dynamics, held at IMPA, Rio de Janeiro, June 23 – 29, 2019.

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We hereby certify that, **William Pontes Maciel** - **Universidade do Estado do Rio de Janeiro**, participated in the Teichmüller Theory, Hyperbolicity and Dynamics, held at IMPA, Rio de Janeiro, June 23 – 29, 2019.

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