

# **Conservative Dynamics** and **Symplectic Geometry**

IMPA, Rio de Janeiro, Brazil August 7-11, 2017

We hereby certify that, *Basak Gurel*, **University of Central Florida - Orlando**, participated in the Workshop on Conservative Dynamics and Symplectic Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 7 – 11, 2017, and presented a plenary talk: "Pseudo-rotations of Complex Projective Spaces".

Rio de Janeiro, August 11<sup>th</sup>, 2017













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We hereby certify that, *Daniel Gardiner*, University of California, Santa Cruz, participated in the Workshop on Conservative Dynamics and Symplectic Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 7 – 11, 2017, and presented a plenary talk: "Two or infi nity".

Rio de Janeiro, August 11<sup>th</sup>, 2017

Henrique Bursztyn











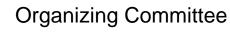


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We hereby certify that, *Gabriele Benedetti*, **Leipzig**, participated in the Workshop on Conservative Dynamics and Symplectic Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 7 – 11, 2017, and presented a plenary talk: "**Local systolic inequalities** in contact and symplectic geometry".

Rio de Janeiro, August 11th, 2017















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We hereby certify that, *Luca Asselle*, Ruhr-Universität Bochum, participated in the Workshop on Conservative Dynamics and Symplectic Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 7 – 11, 2017, and presented a plenary talk: "Minimal boundaries in Tonelli Lagrangian systems".

Rio de Janeiro, August 11<sup>th</sup>, 2017

Henrique Bursztyn













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We hereby certify that, Marco Mazzucchelli, École Normale Superieure de Lyon, participated in the Workshop on Conservative Dynamics and Symplectic Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 7 - 11, 2017, and presented a plenary talk: "Periodic orbits of magnetic flows on the 2-sphere".

Rio de Janeiro, August 11<sup>th</sup>, 2017













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We hereby certify that, *Marian Gidea*, Yeshiva University, participated in the Workshop on Conservative Dynamics and Symplectic Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 7 – 11, 2017, and presented a plenary talk: "A geometric mechanism of Arnold diffusion in the a priori stable case".

Rio de Janeiro, August 11<sup>th</sup>, 2017

Henrique Bursztyn













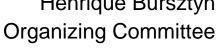
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We hereby certify that, *Marta Batoréo*, Universidade Federal do Espirito Santo, participated in the Workshop on Conservative Dynamics and Symplectic Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 7 - 11, 2017, and presented a plenary talk: "On periodic points of symplectomorphisms".

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We hereby certify that, *Miguel Tribolet de Abreu*, Instituto Superior Técnico-Universidade Técnica de Lisboa, participated in the Workshop on Conservative Dynamics and Symplectic Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 7 – 11, 2017, and presented a plenary talk: "Contact topology of Gorenstein toric isolated singularities".

Rio de Janeiro, August 11th, 2017









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We hereby certify that, *Otto van Koert*, Seoul National University, participated in the Workshop on Conservative Dynamics and Symplectic Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 7 – 11, 2017, and presented a plenary talk: "Torsion flow: an analog of the Ricci flow for contact manifolds?".

Rio de Janeiro, August 11<sup>th</sup>, 2017

Henrique Bursztyn













## **Conservative Dynamics** and Symplectic Geometry

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We hereby certify that, *Pedro Antonio Santoro Salomão*, Instituto de Matemática e Estatística, participated in the Workshop on Conservative Dynamics and Symplectic Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 7 – 11, 2017, and presented a plenary talk: "3-2-3 foliations for Hamiltonian dynamics near critical energy levels".

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We hereby certify that, *Renato Vianna*, **University of Cambridge**, participated in the Workshop on Conservative Dynamics and Symplectic Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 7 – 11, 2017, and presented a plenary talk: "On shapes of symplectic manifolds as seen by holomorphic curves".

Rio de Janeiro, August 11th, 2017









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We hereby certify that, *Roman Golovko*, Universite Libre de Bruxelles, participated in the Workshop on Conservative Dynamics and Symplectic Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 7 - 11, 2017, and presented a plenary talk: "The wrapped Fukaya category of a Weinstein manifold is generated by the cocores of the critical handles".

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We hereby certify that, **Sheila Sandon**, **Université de Strasbourg**, participated in the Workshop on Conservative Dynamics and Symplectic Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 7 – 11, 2017, and presented a plenary talk: "Givental's non-linear Maslov index on lens spaces".

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We hereby certify that, *Umberto Leone Hryniewicz*, Universidade Federal do Rio de Janeiro, participated in the Workshop on Conservative Dynamics and Symplectic Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 7 – 11, 2017, and presented a plenary talk: "Using holomorphic curves to construct Conley blocks that obstruct hyperbolicity".

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We hereby certify that, *Urs Frauenfelder*, Universitaet Augsburg, participated in the Workshop on Conservative Dynamics and Symplectic Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 7 – 11, 2017, and presented a plenary talk: "What could Hamiltonian delay equations be?".

Rio de Janeiro, August 11<sup>th</sup>, 2017













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We hereby certify that, *Victor Ginzburg*, **University of California, Santa Cruz**, participated in the Workshop on Conservative Dynamics and Symplectic Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 7 – 11, 2017, and presented a plenary talk: "On the filtered symplectic homology of prequantization bundles".

Rio de Janeiro, August 11th, 2017









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We hereby certify that, *Vinicius Gripp Barros Ramos*, IMPA - Pós-Doutorando de Excelência, participated in the Workshop on Conservative Dynamics and Symplectic Geometry, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 7 – 11, 2017, and presented a plenary talk: "Symplectic embeddings of Lagrangian products via billiards".

Rio de Janeiro, August 11th, 2017









