



Workshop on
**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 11th, 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 infinity**”.

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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**”.

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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**”.

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We hereby certify that, **Marco Mazzucchelli**, **École Normale Supérieure 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**”.

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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**”.

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We hereby certify that, **Marta Batoréo**, **Universidade Federal do Espírito 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**”.

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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?**”.

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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”**.

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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?**”.

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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**”.

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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”**.

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