

# Workshop on Conservative Dynamics and Symplectic Geometry

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

**Ricardo Mañé Auditorium**

Hour	Monday, 7
09:00 - 10:00	Registration
10:00 - 11:00	<b>M. Abreu</b> (IST-Lisbon) Contact topology of Gorenstein toric isolated singularities
11:00 - 11:30	Coffee Break
11:30 - 12:30	<b>M. Mazzucchelli</b> (ENS-Lyon) <i>Periodic orbits of magnetic flows on the 2-sphere</i>
12:30 - 14:30	Lunch
14:30 - 15:30	<b>R. Golovko</b> (Brussels) <i>The wrapped Fukaya category of a Weinstein manifold is generated by the cocores of the critical handles</i>
15:30 - 16:30	Coffee Break
16:30 - 17:30	<b>M. Batoreo</b> (UFES) <i>On periodic points of symplectomorphisms</i>

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Hour	Tuesday, 8
10:00 - 11:00	<b>D. Cristofaro-Gardiner</b> (Harvard / Santa Cruz) <i>Two or infinity</i>
11:00 - 11:30	<b>Coffee Break</b>
11:30 - 12:30	<b>G. Benedetti</b> (Leipzig) <i>Local systolic inequalities in contact and symplectic geometry</i>
12:30 - 14:30	<b>Lunch</b>
14:30 - 15:30	<b>R. Vianna</b> (Cambridge) <i>On shapes of symplectic manifolds as seen by holomorphic curves</i>
15:30 - 16:30	<b>Coffee Break</b>
16:30 - 17:30	<b>V. Ginzburg</b> (Santa Cruz) <i>On the filtered symplectic homology of prequantization bundles</i>
17:30 - 19:30	<b>COCKTAIL</b>

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Hour	Wednesday, 9
10:00 - 11:00	<b>S. Sandon</b> (Strasbourg) <i>Givental's non-linear Maslov index on lens spaces</i>
11:00 - 11:30	Coffee Break
11:30 - 12:30	<b>O. van Koert</b> (Seoul) <i>Torsion flow: an analog of the Ricci flow for contact manifolds?</i>
12:30 - 14:30	Lunch
14:30	Free Afternoon

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Hour	Thursday, 10
10:00 - 11:00	<b>M. Gidea</b> (New York) <i>A geometric mechanism of Arnold diffusion in the a priori stable case</i>
11:00 - 11:30	<b>Coffee Break</b>
11:30 - 12:30	<b>V. Ramos</b> (IMPA) <i>Symplectic embeddings of Lagrangian products via billiards</i>
12:30 - 14:30	<b>Lunch</b>
14:30 - 15:30	<b>L. Asselle</b> (Bochum) <i>Minimal boundaries in Tonelli Lagrangian systems</i>
15:30 - 16:30	<b>Coffee Break</b>
16:30 - 17:30	<b>U. Hryniewicz</b> (UFRJ) <i>Using holomorphic curves to construct Conley blocks that obstruct hyperbolicity</i>

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Hour	Friday, 11
10:00 - 11:00	<p><b>P. Salomao</b> (USP) <i>3-2-3 foliations for Hamiltonian dynamics near critical energy levels</i></p>
11:00 - 11:30	<p><b>Coffee Break</b></p>
11:30 - 12:30	<p><b>B. Gurel</b> (Florida) <i>Pseudo-rotations of Complex Projective Spaces</i></p>
12:30 - 14:30	<p><b>Lunch</b></p>
14:30 - 15:30	<p><b>U. Frauenfelder</b> (Augsburg) <i>What could Hamiltonian delay equations be?</i></p>