

# Workshop on Conservative Dynamics and Symplectic Geometry

Semestre Temático - Dynamics Beyond Uniform Hyperbolicity

IMPA, Rio de Janeiro, from 09/02 to 09/06

## Program ~ Auditorium Ricardo Mañe

Hour	Monday, 2	Tuesday, 3	Wednesday, 4	Thursday, 5	Friday, 6
9:00 – 10:00	Registration				
10:00 - 11:00	<b>Claude Viterbo</b> Some results and problems in $C^\infty$ symplectic topology	<b>Chris Wendl</b> When is a Stein structure merely symplectic?	<b>Marco Mazzucchelli</b> On isometry-invariant Geodesics in Product Manifolds	<b>Eleny Ionel</b> Gopakumar-Vafa conjecture for symplectic manifolds	<b>Michael Usher</b> Lagrangian submanifolds of complex projective space
11:00 – 11:30	Coffee Break				
11:30 - 12:30	<b>Marian Gidea</b> Shadowing Lemmas for Normally Hyperbolic Invariant Manifolds and Applications to the Hamiltonian Instability Problem	<b>Umberto Hryniewicz</b> Multiplicity results for periodic orbits of tight Reeb flows on the three-sphere	<b>Miguel Abreu</b> Dynamical convexity and elliptic orbits for Reeb flows	<b>Pedro Salomão</b> A dynamical characterization of Lens spaces	<b>Richard Siefring</b> Intersection and embedding controls for punctured pseudoholomorphic curves
12:30 – 14:30	Lunch		Free Afternoon	Lunch	
14:30 - 15:30	<b>Barney Bramham</b> An approach to some questions about Hamiltonian surface maps using pseudo-holomorphic curves	<b>Mihai Damian</b> On the topology of the monotone Lagrangian submanifolds		<b>Will Merry</b> Orderability, contact non-squeezing, and Rabinowitz Floer homology	<b>François Lalonde</b> Local Hofer Geometry
15:30 – 16:30	Coffee Break			Coffee Break	
16:30 - 17:30	<b>Alberto Abbondandolo</b> Middle-dimensional squeezing and non-squeezing	<b>Michael Hutchings</b> Beyond the Weinstein conjecture in three dimensions		<b>Fabian Ziltener</b> Coisotropic Submanifolds of Symplectic Manifolds, Leafwise Fixed Points, and a Discontinuous	
17:30		COCKTAIL			