

# Workshop on Low-Dimensional Dynamics

Semester on Dynamics Beyond Uniform Hyperbolicity

IMPA, November 17 - 22, 2013

## Program ~ Auditorium Ricardo Mañe

Hour	Monday, 18	Tuesday, 19	Wednesday, 20	Thursday, 21	Friday, 22
9:00 – 9:30	Registration				
9:30 – 10:30	E. Pujals Boundary of chaos for dissipative annulus twist map.	S. van Strien Quasi-symmetric rigidity of interval maps (Part II)	J. Rivera Divergence of geometric equilibrium states at zero temperature	P. Guarino Rigidity of critical circle maps	A. Navas On ergodic type properties for codimension-1 foliations.
10:30 – 11:00	Coffee Break				
11:00 – 12:00	J. Lamb Additive noise does not destroy a pitchfork bifurcation	M. Gröger An entropy-like notion for low- complexity systems	D. Smania On the renormalization operator for multimodal maps.	P. Brandão On the Structure of Attractors of Contracting Lorenz Maps	S. Trejo A unified proof of complex bounds for multimodal maps
12:00 – 14:00	Lunch				
14:00 – 15:00	V. Pinheiro Finiteness of Attractors for One- Dimensional Maps with Discontinuities	K. Cunha Renormalization for some piecewise smooth homeomorphisms of the circle	Free	E. de Faria On Sloane's persistence problem	A. Kocsard Livsic theorem for cocycles with values in diffeomorphism groups.
15:00 – 15:30	Coffee Break	Coffee Break and Poster Session		Coffee Break	
15:30 – 16:30	S. van Strien Quasi-symmetric rigidity of interval maps (Part I)	C. Moreira On the Markov and Lagrange spectra and their dynamical generalizations		D. Cheraghi Satellite renormalization of complex quadratic polynomials	A. Avila Effective subexponential growth and small divisor problems
16:30 – 18:30	Reception				