

A panorama on Singularities: Algebra, Geometry, Topology and Applications

IMPA, Rio de Janeiro, January 05 – 11, 2020

Ricardo Mañé Auditorium

Hour	Sunday, 05	Monday, 06	Tuesday, 07	Wednesday, 08	Thursday, 09	Friday, 10	Saturday, 11	
08:00 - 08:30	A r r i v a l	Registration					D e p a r t u r e	
08:30 - 09:00		Opening						
09:00 - 10:15		Marcelo José Saia (ICMC-USP) <i>Plenary Talk on: Multiple point sets and good real deformations of map germs & Singularities Course</i>	Group Research	Wofgang Ebeling (Universität Hannover) <i>An algebraic formula for the index of a 1-form on a real quotient singularity</i>	Group Research	Marcelo José Saia (ICMC-USP) <i>Singularities Course</i>		
10:15 - 10:45		Break Poster Session						
10:45 - 12:00		Roberto Callejas Bedregal (UFPB) <i>On Chern classes for singular varieties</i>	Group Research	Christophe Eyrat (Instytut Matematyczny PAN) <i>Newton non-degeneracy, local tameness and Whitney-equisingularity</i>	Group Research	Raúl Oset-Sinha (UFSCar) <i>Curvatures of singular surfaces</i>		
12:00 - 13:45		Lunch						
13:45 - 15:00		Juan J. Nuño-Ballesteros (Universitat de València) <i>Combinatorial models in the topological classification of singularities of mappings</i>	Group Research	Marcelo José Saia (ICMC-USP) <i>Singularities Course</i>	Raimundo N. Araújo dos Santos (ICMC-USP) <i>Milnor-Hamm sphere fibrations and the equivalence problem</i>	Jean Paul Brasselet (IML) <i>An elementary proof of Euler's formula using Cauchy's method</i>		
15:00 - 15:30		Break Poster Session						
15:30 - 16:45		Lev Birbrair (UFC) <i>First steps towards Lipschitz knot theory</i>	Group Research	Maria Aparecida Soares Ruas (ICMC-USP) <i>Singularities of differentiable mappings: stability and density</i>	Dahisy Lima (Univ. Federal do ABC) <i>Singularidades Simples: complexos de cadeias e cancelamento dinâmico</i>			
16:45 - 18:00		Marcos Craizer (PUC-Rio) <i>Some Applications of Singularity Theory to Differential Geometry</i>	Group Research	Anne Frühbis-Krüger (Universität Hannover) <i>Singularities, desingularization and parallel algorithms</i>	Nivaldo G. Grulha Jr. (ICMC-USP) <i>Generalizations of the Local Euler Obstruction and Functions with Non-Isolated Critical Set</i>			