

**IX Workshop on Algebraic Theory of Singularities &
1st International Meeting of young researchers in Singularity Theory**
IMPA, Rio de Janeiro, March 02 – 07, 2020

Preliminary Program

Hour	Sunday, 05	Monday, 02	Tuesday, 03	Wednesday, 04	Thursday, 05	Friday, 06	Saturday, 07	
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 - 09:40		Guillermo Peñafort Sanchis (Basque Center for Applied Mathematics) <i>Connectivity results for singular map-germs</i>	Patricia Tempesta (UFSJ) <i>The fundamental symmetry of homogeneous binary differential equations</i>	Antony Rangachev (Chicago University) <i>Generalized smoothability</i>	Pedro Benedini Riul (UFSJ) <i>Relating second order geometry of manifolds in Euclidean spaces through projections and normal sections</i>	Discussão em Grupo		
09:50 - 10:30		Dominik Wrazidlo (Kyushu University) <i>Cobordism of Morse functions, and applications to map germs at boundary points</i>	Otoniel N. da Silva (UNAM) <i>Equisingularity in families of generically reduced curves</i>	Ingrid Sofia Meza Sarmiento (UFSCar) <i>Topological Classification of circle-valued simple Morse–Bott functions on orientable surfaces</i>	Thais Maria Dabelo (UFSCar) <i>Stratified Morse critical points and Euler obstruction</i>			
10:30 - 11:00		Break						
11:00 - 11:40		Thiago Filipe da Silva (UFES) <i>The double structure for arbitrary modules and schemes</i>		Enrique Chávez Martínez (UNAM) <i>On a conjecture of the higher Nash blow-up on curves</i>	Nivaldo Góes Grulha Júnior (ICMC/USP) <i>One Poincaré-Hopf type formula for determinantal surfaces and three-varieties with isolated singularities</i>			
11:40 - 14:00		Lunch						
14:00 - 14:40		Terence Gaffney (Northeastern University College of Science) <i>An Approach to the Whitney Equisingularity of Families of Complete Intersection Germs with Non-isolated Singularities</i>	Abramo Hefez (UFF) <i>Sets of values of fractional ideals</i>	Stanislaw Janeczko (Warsaw University of Technology) <i>Algebraic and geometric restrictions of differential forms</i>	Carolina Araujo (IMPA) <i>Special subgroups of the Cremona group via Calabi-Yau pairs</i>			
14:50 - 15:30		Vincent Grandjean (UFC) <i>Real Equisingularity and continuity of curvatures integrals</i>	Miriam Manoel (ICMC/USP) <i>Recognition of symmetries in reversible maps</i>	Rodrigo Salomão (UFF) <i>Fibrations by singular curves on unirational surfaces</i>	Zbigniew Jelonek (Institute of Mathematics Polish Academy of Sciences) <i>Whitney theorem for complex polynomial mappings</i>			
15:30 - 16:00		Break	Break Poster Session	Break	Break Poster Session			
16:00 - 16:40		Josnei Novacoski (UFSCar) <i>Local uniformization and essentially finite generation of valuation rings</i>	Ethan Cotterill (UFF) <i>Rational curves with hyperelliptic singularities</i>	Rogério Mol (UFMG) <i>Residue-type indices for germs of holomorphic vector fields in the plane</i>	Leonardo Câmara (UFES) <i>Some aspects of function-germs on the plane</i>			
16:50 - 17:30		Serguei Agafanov (UNESP/SJRP) <i>Webs on surfaces and integrability of geodesic flow</i>	Ana Cláudia Nabarro (ICMC/USP) <i>Asymptotic directions of spacelike submanifolds and associated Surfaces with non isolated singularities</i>	Cocktail	Daniel Duarte (Conacyt/UJAZ) <i>Nash blowups in positive characteristic</i>			
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