

XIV BrazOpt Program											
	March 4th		March 5th		March 6th		March 7th		March 8th		March 9th
	Monday		Tuesday		Wednesday		Thursday		Friday		Saturday
08:00 - 08:50	Registration										07:30 - 16:00 Excursion to tropical islands
08:50 - 09:00	Opening										
09:00 - 09:50	Philippe Toint				I						
	Some recent proposals for nonconvex optimization Cultural Center										
09:50 - 10:40	Angelia Nedich Random Algorithms for Problems with Large Number of Constraints Cultural Center	Fatma Kiliç-Karzam New Perspectives on Deriving Compact Extended Formulations for Optimization Problems with Indicator Variables Cultural Center	Giampaolo Liuzzi Worst case complexity bounds for linesearch-type derivative-free algorithms Cultural Center		Michel de Lara Algorithms in Generalized Convexity Cultural Center		Marcos Raydan Optimization schemes on manifolds for structured matrices with fixed Cultural Center				
10:40 - 11:00	Coffee Break Cultural Center		Coffee Break Cultural Center		Coffee Break Cultural Center		Coffee Break Cultural Center		Coffee Break Cultural Center		
11:00 - 11:50	Ernesto Birgin Current work in the development of augmented lagrangian software and applications Cultural Center	Gabriel Haeser On theory and practice of augmented Lagrangian methods Cultural Center	Geovani Grapiglia First and zeroth-order implementations of the regularized Newton method with lazy approximated Hessians Cultural Center		Paulo Silva e Silva The spectral proximal gradient method and new applications Cultural Center		Roland Herzog A Riemannian Convex Bundle Method Cultural Center				
11:50 - 14:00	Lunch		Lunch		Lunch		Lunch		Lunch		
14:00 - 14:30	Harry Oviedo On the worst-case complexity analysis of line-search methods on manifolds Room 306	Bernardo da Costa Dual SDDP for risk-averse problems Cultural Center	Deepak Singh Proximal contractions and its applications to engineering problems through minimization problems Cultural Center	Carina Moreira Costa Mixed-Integer programming techniques for the minimum sum-of-squares clustering problem Room 306	Roger Behling Circumcentric directions of cones Room 306	Alberto Ramos On second-order conditions for degenerate optimization problems Cultural Center	Daiana dos Santos Strong global convergence properties of an Augmented Lagrangian method for symmetric cones Cultural Center	Max Gonçalves Subsampled cubic regularization method for finite-sum minimization Room 306	Harsha Arte Solution concepts for Interval-valued optimization problems via combined gradient based algorithm Cultural Center		
	Orizon Ferreira On projection mappings and the gradient projection method on hyperbolic space forms Room 306	Carolina Monteiro A stochastic optimization model for the sugarcane production chain with focus on biofuels Cultural Center	Felipe Lara On the minimization of the sum of two nonconvex functions with applications Cultural Center	Jon Lee Branch-and-bound for D-Optimality with fast local search and variable-bound tightening Room 306	Luiz-Rafael Santos Basis pursuit by infeasible alternating projections Room 306	David A. Hulett A second order system with asymptotically vanishing and Hessian-driven damping terms attached to a monotone inclusion problem Room 306	Mitsuhiro Fukuda Numerical studies on continuous approximations of a cone in an augmented Lagrangian method for nonlinear conic optimization Cultural Center	João Carlos Souza DC algorithms and image denoising Room 306	Raphaël Tinarrage LieDetect: Detection of representation orbits of compact Lie groups from point clouds Cultural Center		
15:00 - 15:20	Coffee Break Cultural Center		Coffee Break Cultural Center		Coffee Break Cultural Center		Coffee Break Cultural Center		Coffee Break Cultural Center		
15:20 - 15:50	Glaydston Bento An approach to Busemann functions in Optimization Room 306	Joaquim Dias Garcia A multicut approach to compute upper bounds for risk-averse SDDP Cultural Center	Macon M. Alves Variants of the A-HPE and large step A-HPE algorithms for strongly convex problems with applications to accelerated high-order tensor methods Cultural Center	Alexandre Street Application-driven learning: a closed-loop prediction and optimization approach applied to dynamic reserves and demand forecasting Room 306	Yunier Bello Cruz On the finite convergence of alternating projections Room 306	Kelvin Couto Constraint qualifications and strong global convergence properties of an augmented Lagrangian method on Riemannian manifolds Cultural Center	Jefferson Melo Proximal Gradient Method for Multiobjective Optimization Cultural Center	Douglas Gonçalves Semi-norm regularized Gauss-Newton for non-zero residue nonlinear least-squares: convergence analysis and applications Room 306	Evelin Krulikowski A hybrid direct search and projected simplex gradient method for convex constrained minimization Room 306	Roberto Andreani Weak notions of nondegeneracy in nonlinear semidefinite programming Cultural Center	
	Maruricio Louzeiro A projected subgradient method for the computational of adapted metrics for dynamical systems Room 306	Renan William Prado Acerca da obtenção das condições complementares aproximadas Karush-Kuhn-Tucker e aplicações algorítmicas Cultural Center	Ray G. Serra Convergence properties of proximal iterations in Hilbert Spaces Cultural Center	Guilherme Bodin Progressive hedging decomposition applied to scheduling of LNG nominations for a Brazilian thermal power plant Room 306	Di Liu A finitely convergent circumcenter method for the convex feasibility problem Room 306	Francisco Sobral Low Order-Value Derivative-free optimization Cultural Center	Leandro Prudente A quasi-Newton method with Wolfe line searches for multiobjective optimization Cultural Center	Ademir Ribeiro Sparse optimization via cardinality constraints Room 306	Mariana da Rosa On the penalty parameter in Augmented Lagrangian methods Room 306	Leonardo Secchin On extended notions of Lagrange multipliers and the boundedness of dual sequences generated by augmented Lagrangian methods Cultural Center	
16:20 - 16:50					Mauricio Sire An inertial degenerate preconditioned HPE method for solving the monotone inclusion problem: complexity analysis and applications Room 306	Luis Felipe Bueno A Jacobi-type Newton method for Nash equilibrium problems with descent guarantees Cultural Center	Gabriel Grillo Inexact FISTA-like methods with backtracking and applications Cultural Center				
			Cocktail								
17:00 - 19:00									Workshop dinner		
19:00											