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											
08:50 - 09:00	Opening										07:30 - 16:00	Excursion to tropical islands
09:00 - 09:50	**Philippe Toint** Some recent proposals for nonconvex optimization **Cultural Center**						**Angelia Nedich** Random Algorithms for Problems with Large Number of Constraints **Cultural Center**					
09:50 - 10:40			**Fatma Kilinç-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 Lagragian 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-Interger programming techniques for the minimun sum-of-squares clustering problem **Room 306**	**Roger Behling** Circumcentric directions of cones **Room 306**		**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**				
14:30 - 15:00	**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 **Cultural Center**	**Mituhiro 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 bonds for risk-averse SDDP **Cultural Center**	**Maicon 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 andd 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 applicaçnos **Room 306**	**Evelin Krulikovski** 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**		
15:50 - 16:20	**Maruricio Louzeiro** A projected subgradient method for the computaional of adapted metrics for dynamical systems **Room 306**	**Renan William Prado** Acerca da obtenção das condições complementary approximate 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 Sicre** 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**					
17:00 - 19:00			**Cocktail**									
19:00							**Worshop dinner**					