

**X Brazilian Workshop on Continuous Optimization. Celebrating Clovis Gonzaga's 70th birthday.**  
**Florianópolis, Brazil, March 17 - 21, 2014.**

**Contributed Sessions**

Hour	Monday, 17	Tuesday, 18	Thursday, 20
14:00 16:00	<p align="center"><b>Room: Veleiros</b>  <b>Session S1</b>  <b>Chair: Gabriel Haeser</b></p> <p><b>John Lenon C. Gardenghi -IME-USP</b>  Interior-point line search methods for linearly constrained optimization</p> <p><b>Abel Soares Siqueira - UNICAMP</b>  Dynamic Control of Infeasibility for Nonlinear Programming</p> <p><b>Gabriel Haeser-UNIFESP</b>  A flexible inexact restoration method and application to multiobjective constrained optimization</p> <p><b>Luis Felipe Bueno-UNIFESP</b>  An affordable general-purpose Inexact Restoration method</p>	<p align="center"><b>Room: Veleiros</b>  <b>Session S5</b>  <b>Chair: Esdras P. de Carvalho</b></p> <p><b>Jonathan Eckstein -Rutgers Univ.</b>  Multilevel optimization modeling for stochastic programming with coherent risk measures</p> <p><b>Vincent Guigues-FG</b>  Risk-averse mirror descent for convex and uniformly convex stochastic programs with applications to hypotheses testing of risk measures</p> <p><b>Jorge Amaya-Univ. de Chile</b>  The Mine Planning Problem: from the Discrete to the Continuous Framework</p> <p><b>Esdras P. de Carvalho-UEM</b>  Fitting Supercritical Fluid Extraction Models by means of a Derivative-free Software</p>	<p align="center"><b>Room: Veleiros</b>  <b>Session S9</b>  <b>Chair: Mitsuhiro Fukuda</b></p> <p><b>Ademir A.Ribeiro-UFPR</b>  Theoretical aspects of adopting exact penalty elements within sequential methods for nonlinear programming</p> <p><b>Paulo J.Silva e Silva-UNICAMP</b>  The Spectral Cauchy-Akaike Method</p> <p><b>Bruno F. Lourenço-Tokyo Inst.Tec.</b>  Weak Infeasibility in Semidefinite Programming</p> <p><b>Mitsuhiro Fukuda-Tokyo Inst. Tec.</b>  Nonmonotone spectral projected gradient method variant for semidefinite optimization problem with log-determinant and <math>l_1</math> norm terms</p>
	<p align="center"><b>Room: Carijós</b>  <b>Session S2</b>  <b>Chair: Rafael Correa</b></p> <p><b>Rafael Correa-Univ. de Chile</b>  Characterizations of convex approximate subdifferential calculus in Banach spaces</p> <p><b>Yboon V. G.Ramos- IMCA-Lima</b>  Integration Formulas without convexity</p> <p><b>Orestes M. Bueno -IMCA-Lima</b>  Equivalence between the p-cyclic quasimonotonicity and the p-cyclic monotonicity for affine maps</p>	<p align="center"><b>Room: Carijós</b>  <b>Session S6</b>  <b>Chair: Flavia Morgana O. Jacinto</b></p> <p><b>Daniel Reem -USP-S.Carlos</b>  Zero-Convex Functions, Perturbation Resilience, and Subgradient Projections for Feasibility-Seeking Methods</p> <p><b>Luis Roman Lucambio Perez-UFGO</b>  On the existence of sub-differentials</p> <p><b>Jefferson Melo-UFGO</b>  Some Results About a Modified Subgradient Algorithm</p> <p><b>Flavia Morgana Jacinto-UFAM</b>  Some conditions for maximal monotonicity of bifunctions</p>	<p align="center"><b>Room: Carijós</b>  <b>Session S10</b>  <b>Chair: Carlos Humes</b></p> <p><b>Mauricio R. Siqueira - UFBA</b>  A hybrid proximal extragradient self-concordant primal barrier method for monotone variational inequalities</p> <p><b>Pedro A. Soares Jr.-UESPI</b>  A proximal point method with generalized distances for a class of bilevel equilibrium problems</p> <p><b>Roberto C. M. Silva- UFAM</b>  An inexact and nonmonotone proximal method for smooth unconstrained minimization</p>

16:00 16:30	Coffee Break	Coffee Break / Poster Presentation 1	Coffee Break / Poster Presentation 2
16:30 18:30	<p style="text-align: center;"><b>Room: Veleiros</b></p> <p style="text-align: center;"><b>Session S3</b> <b>Chair: Joaquim Júdice</b> <b>Marcia H. C. Fampa-UFRJ</b> Globally solving non-convex problems with indefinite quadratic functions</p> <p style="text-align: center;"><b>Tiara Martini - UNICAMP</b> Solving feasibility problems with complementarity</p> <p style="text-align: center;"><b>M. Daniela Sanchez-Univ.Nac. de La Plata</b> An exponential augmented Lagrangian method with second order convergence</p> <p style="text-align: center;"><b>Joaquim Júdice-Univ. de Coimbra</b> On the Quadratic Eigenvalue Complementarity Problem</p>	<p style="text-align: center;"><b>Room: Veleiros</b></p> <p style="text-align: center;"><b>Session S7</b> <b>Chair: Paulo Silva e Silva</b></p> <p style="text-align: center;"><b>José A. Ramos Flor-USP</b> Constraint qualifications and approximate-KKT sequences</p> <p style="text-align: center;"><b>Damián Fernández-Univ. Nac. Córdoba</b> Some properties of the CPLD constraint qualification</p> <p style="text-align: center;"><b>Roberto Andreani-UNICAMP</b> On the behaviour of constrained optimization methods when Lagrange multipliers do not exist</p>	<p style="text-align: center;"><b>Room: Veleiros</b></p> <p style="text-align: center;"><b>Session S11</b> <b>Chair: Luiz Carlos Matioli</b></p> <p style="text-align: center;"><b>Wilfredo Sosa Sandoval-UCB</b> Equilibrium in exchange economy and the equilibrium problem in the sense of Blum-Oettli</p> <p style="text-align: center;"><b>Juan Pablo C. Luna-IMP</b> An Approximation Scheme for a Class of Generalized Nash Equilibrium Problems with Risk Aversion</p> <p style="text-align: center;"><b>Luis Carlos Matioli-UFPR</b> Algorithms for the Nash Equilibrium Problems</p>
16:30 18:30	<p style="text-align: center;"><b>Room: Carijós</b></p> <p style="text-align: center;"><b>Session S4</b> <b>Chair: Wellington L. Oliveira</b> <b>Marcelo Marcel Cordova-UFSC</b> Assessing numerical performance of some nonsmooth optimization methods in solving thermal unit-commitment problems</p> <p style="text-align: center;"><b>Lucas E. A. Simões-UNICAMP</b> On the Nonmonotone Line Search in Gradient Sampling Methods for Nonconvex and Nonsmooth Optimization</p> <p style="text-align: center;"><b>Robert Mifflin-Washington St.Univ.</b> V-models for nonconvex minimization: A prerequisite for a VU-algorithm</p> <p style="text-align: center;"><b>Wellington L. Oliveira-IMP</b> Nonsmooth optimization methods for chance constrained programming</p>	<p style="text-align: center;"><b>Room: Carijós</b></p> <p style="text-align: center;"><b>Session S8</b> <b>Chair: Nelson Maculan</b></p> <p style="text-align: center;"><b>Renan V. Pinto-UFRJ</b> The Problem of Covering Solids By Spheres of Different Radii</p> <p style="text-align: center;"><b>Uriel O. M. Vazquez - Inst.Politec. Nac.</b> Continuous Numerical Solution of a Differential Equation</p> <p style="text-align: center;"><b>Cristina V.Turner-Univ. Nac. Córdoba</b> Adjoint method for a tumor invasion PDE-constrained optimization problem</p>	<p style="text-align: center;"><b>Room: Carijós</b></p> <p style="text-align: center;"><b>Session S12</b> <b>Chair: Sandra Augusta Santos</b></p> <p style="text-align: center;"><b>Hugo Scolnik - Univ. Buenos Aires</b> Improving robustness of the L-BFGS for Large Scale Nonlinear Optimization</p> <p style="text-align: center;"><b>Geovani N. Grapiglia-UFPR</b> A Subspace Version of the ARC Algorithm for Unconstrained Optimization</p> <p style="text-align: center;"><b>Sandra A. Santos-UNICAMP</b> Algebraic rules for quadratic regularization of Newton's method</p>
	19:30 Cocktail	20:00 Banquet	