Workshop optimization (OPT)

Wednesday, Nov 6th

Parallel session W1: Energy Markets
Organizers: Tito Homen-de-Mello & Héctor Ramírez
Chair: Tito Homen-de-Mello

11h00-11h30	Alejandro Jofré	UCH, Chile	Strategic behavior and risk analysis for network electricity markets under massive entry of renewal energies
11h30-12h00	Didier Aussel	U. Perpignan, France	Mutli-Leader-Disjoint follower game: genericity and electricity contract problem
12h00-12h30	Alexandre Street	PUC Rio, Brazil	Distributionally Robust Transmission Expansion Planning: a Multi-scale Uncertainty Approach

Parallel session W2: Energy and Optimal control
Organizers: Cristopher Hermosilla
Chair: Cristopher Hermosilla

14h00-14h30	Adrian Carrillo-Galvez	U. Concepción, Chile	The Environmental/Economic Dispatch Problem based on Duality Theory
14h30-15h00	Anna Désilles	Ensta Paris Tech, France	Sensitivity relations for some classes of optimal multi-processes
15h00-15h30	Maria Soledad Aronna	F. Getulio Vargas, Brazil	Optimality Conditions for the Control of Fokker-Planck Equations

Thursday, Nov 7th

Parallel session Th1: Optimization meets biomathematics - Controlled Biological Dynamical Systems
Organizers: Héctor Ramírez & Pedro Gajardo
Chair: Pedro Gajardo

11h00-11h30	Alain Rapaport	MISTEA, France	Weak resilience to invasion in the chemostat model and asymptotically periodic controls
11h30-12h00	Olga Vasilieva	U. del Valle, Colombia	Optimal control approach for implementation of sterile insect techniques
12h00-12h30	Diego Vicencio	USM, Chile	Comparison of viability kernels for generalized monotone controlled systems and applications to biological control

Parallel session Th2: Combinatorial Optimization
Organizers: José Verschae
Chair: José Verschae

14h00-14h30	Andreas Wiese	UCH, Chile	Fully Dynamic Approximate Maximum Independent Set in Interval and Geometric Intersection Graphs
14h30-15h00	Diego Morán	UAI, Chile	Subadditive Duality for Conic Mixed-Integer Programs
15h00-15h30	Gonzalo Muñoz	UOH, Chile	Intersection cuts for polynomial optimization

Friday, Nov 8th

Parallel session F1: New results on support vector machines and conic programming
Organizers: Héctor Ramírez
Chair: Héctor Ramírez

11h00-11h30	Paulo Silva	U. Campinas, Brazil	Robust nonlinear support vector machine based on difference of convex functions
11h30-12h00	Julio López	UDP, Chile	A New formulation for support vector regression based on second-order cone programming
12h00-12h30	Gabriel Haeser	U Sao Paulo, Brazil	Optimality conditions for nonlinear symmetric cone programming

Parallel session F2: New trends in algorithmics and learning
Organizers: Mario Bravo & Héctor Ramírez
Chair: Mario Bravo

14h00-14h30	Mikhael Solodov	IMPA, Brazil	Some news on the convergence and the cost of iterations of augmented Lagrangian methods
14h30-15h00	Roberto Andreani	U. Campinas, Brazil	Sequential conditions of optimality theoretical and practical importance
15h00-15h30	Sylvain Sorin	U. Sorbonne, France	No-regret criteria in learning, games and convex optimization