

## Thursday, December 1<sup>st</sup>

08:00 - 08:45	Registration	
08:45 - 09:00	Opening Ceremony	
09:00 - 09:25	Alfred Auslender Univ. Lyon 1	<i>A very simple SQCQP Method for a Class of Smooth Convex Constrained Minimization Problems with nice convergent results</i>
09:25 - 09:50	Juan Peypouquet Univ. F. Santa Maria, Valparaiso	<i>Penalization algorithms in constrained optimization</i>
09:50 - 10:15	Natalia Ruíz Univ. de Chile, Santiago	<i>Quadratic-Bregman Proximal Decomposition Methods</i>

10:15 - 10:45 Coffee Break

10:45 - 11:10	Dominique Azé Univ. Toulouse 3	<i>Global Surjectivity Results of Hadamard's Type for Multifunctions</i>
11:10 - 11:35	Antoine Rousseau INRIA Rhône-Alpes	<i>Accounting for spatial inhomogeneity in the minimal-time bioremediation of natural water resources</i>
11:35 - 12:00	Francisco Silva Univ. Roma 1	<i>A semi-discrete in time approximation for a model 1<sup>st</sup> order-finite horizon mean field game problem</i>

12:00 - 13:30 Lunch

13:30 - 13:55	Miguel Carrasco Univ. de los Andes, Santiago	<i>A stochastic model for topology optimization</i>
13:55 - 14:20	Térence Bayen Univ. Montpellier 2	<i>Characterization of local quadratic growth for strong minima in the optimal control of semi-linear elliptic</i>
14:20 - 14:45	Luis Manuel Briceño-Arias Univ. de Chile, Santiago	<i>A Douglas–Rachford splitting algorithm for solving equilibrium problems</i>

14:45 - 15:15 Coffee Break

15:15 - 15:40	José Correa Univ. Chile, Santiago	<i>Existence and uniqueness of equilibria for flows over time</i>
15:40 - 16:05	Mourad Baoui Univ. Clermont-Ferrand	<i>On the Relationship between the facility location polytope and the set covering polyhedron</i>
16:05 - 16:30	José Verschae TU Berlin	<i>A near-optimal algorithm for the dynamic minimum spanning tree problem</i>

16:30 - 17:00 Coffee Break

17:00 - 17:25	Sylvain Sorin Univ. Paris 6	<i>On Some Recent Advances in Zero-Sum Repeated Games and Links with Differential Games</i>
17:25 - 17:50	Rubén Luis López Montoya Univ. Cat. S. Concepción	<i>Approximations of equilibrium problems</i>
17:50 - 18:15	Mario Bravo Univ. Paris 6	<i>Perturbed exponential learning in continuous time</i>

20:30 Diner downtown

## Friday, December 2<sup>nd</sup>

09:10 - 09:35	Juan-Enrique Martínez-Legaz Univ. Autònoma de Barcelona	<i>New results on <math>q</math>-positivity</i>
09:35 - 10:00	Thierry Champion Univ. Sud Toulon-Var	<i>Implementation issues for a Prox-Penalty Algorithm</i>

10:00 - 10:30 Coffee Break

10:30 - 10:55	Miguel-Angel Goberna Univ. Alicante	<i>Lower semicontinuity of the solution set mapping of linear systems relative to their domains</i>
10:55 - 11:20	Salvador Flores Univ. de Chile, Santiago	<i>On a concave minimization problem arising in robust statistics</i>
11:20 - 11:45	Steeve Burnet Univ. Antilles-Guyane	<i>Perturbed Hummel-Seebeck method for variational inclusion</i>

11:45 - 12:10 Coffee Break

12:10 - 12:35	Rafael Correa Univ. de Chile, Santiago	<i>Subdifferential of the conjugate function in general Banach spaces</i>
12:35 - 13:00	Benjamin Ivorra Univ. Complutense de Madrid	<i>A Multi-Layers Method to Improve Optimization Algorithms. Application to the Design of Dispersive Bioreactors for Water Treatment</i>

13:00 - 14:15 Lunch

14:15 - 14:40	A. Jofre Univ. de Chile, Santiago	<i>Equilibrium for Discontinuous Games and Optimal Regulation in Electricity Markets</i>
14:40 - 15:05	P. Bendotti EDF R & D Clamart	<i>Permutation Problem using a unit-Capacity Robot for the nuclear Fuel Renewal in a Pressurized Water Reactor</i>
15:05 - 15:30	L. Pfeiffer Ecole Polytechnique, Paris	<i>Sensitivity analysis for the outages of nuclear power plants</i>

15:30 - 16:00 Coffee Break

16:00 - 16:25	O. Ratier Artelys	<i>Monte Carlo Tree Search applied to hydrothermal power generation planning</i>
16:25 - 16:50	R. Palma Univ. de Chile, Santiago	<i>A Smart Microgrid Energy Management System for Isolated Locations in Latin-America</i>

17:00 — Defense of PhD thesis of Matthieu Marechal (co-supervising Perpignan-CMM)

## Saturday, December 3<sup>rd</sup>

08:45 - 09:10	Aris Daniilidis Univ. Autònoma de Barcelona	<i>Self-contracted curves and applications in dynamical systems</i>
09:10 - 09:35	Antoine Laurain Humboldt Univ. Berlin	<i>Minimization of the ground state for two phase conductors in low contrast regime</i>
09:35 - 10:00	Julio López Univ. F. Santa Maria, Valparaiso	<i>Interior proximal algorithm with variable metric for convex second-order cone programming</i>

10:00 - 10:30 Coffee Break

10:30 - 10:55	Beatriz Hernández-Jiménez Univ. P. de Olavide, Sevilla	<i>Characterization of weakly efficient solutions for non-regular multiobjective programming problems</i>
10:55 - 11:20	Guy Bouchitté Univ. Sud Toulon-Var	<i>A nonstandard free boundary problem arising in shape optimization</i>
11:20 - 11:45	Jean-Baptiste Hiriart-Urruty Univ. Toulouse 3	<i>El esclarecimiento de Valparaiso</i> <i>La clarification de Valparaiso</i>

12:00 — Defense of the “Habilitation à Diriger les Recherches” of Abderrahim Hantoute (CMM)