

CONFERENCE

Nonsmooth And Variational AnaLysis (NAVAL)

University of Burgundy

Dijon, June 26-28, 2023

Conference program

Venue : Amphi Bernard, UFR Sciences et Techniques

Monday 26/06/2023

8h-8h30	Welcome
8h30-9h	Opening: Mr. Vincent Thomas, <i>President of the University of Burgundy</i> Mr. François Blais, <i>Director of the UFR Sciences et Techniques</i> Dariusz Zagrodny, <i>Scientific Committee</i> Abderrahim Jourani, <i>Organizing Committee</i>
	Chairman : S. Adly
9h-9h30	T. Rockafellar, <i>Variational Convexity and Local Duality in Nonconvex Optimization</i>
9h30-10h	M. Bounkhel, <i>V-Proximal Analysis in Smooth Banach Spaces</i>
10h-10h30	M. Lopez, <i>How to avoid the normal cone in the subdifferential formulas?</i>
10h30-11h	Coffee break
	Chairman : D. Zagrodny
11h-11h30	M. Fabian, <i>Clarke Jacobians, Bouligand Jacobians, and compact connected sets of matrices</i>
11h30-12h	M. A. Goberna, <i>Relaxed Lagrangian duality in convex infinite optimization</i>
12h-12h30	P. Combettes, <i>Proximal compositions and cocompositions</i>
12h30-14h	Lunch
	Chairman : A. Hantoute
14h-14h30	I. Ekeland, <i>TBA</i>
14h30-15h	T. Bayen, <i>The hybrid maximum principle for optimal control problems governed by spatially heterogeneous control systems</i>
15h-15h30	M. Studniarski, <i>Evolutionary Multitasking in Multiobjective Optimization</i>
15h30-16h	Coffee break
	Chairman : R. Henrion
16h-16h30	C. Zalinescu, <i>On Gâteaux differentiability of convex locally Lipschitz functions defined on locally convex spaces</i>
16h30-17h	A. Zaffaroni, <i>Minimal sublinear functions, recession hull, and applications to Cut Generating Functions</i>
17h-17h30	D. Salas, <i>Determination of functions in complete metric spaces</i>
17h30-18h	J. Ugon, <i>Variational properties of the abstract subdifferential operator</i>

18h15-20h : Function at Salle du Conseil of UFR Sciences et Techniques

Tuesday 27/06/2023

	Chairman : R. Henrion
8h30-9h	A. D. Ioffe , <i>On the strong minimum in the classical problem of calculus of variations</i>
9h-9h30	E. M. Bednarczuk , <i>Inexact Forward-Backward algorithm for problems involving weakly convex functions</i>
9h30-10h	C. Gutiérrez , <i>On quasi efficient solutions of multiobjective optimization problems</i>
10h-10h30	J. Outrata , <i>On the isolated calmness property of inverse and implicit multifunctions</i>
10h30-11h	Coffee break
	Chairman : A. Hantoute
11h-11h30	A. Kruger , <i>Fuzzy multiplier rules in non-Lipschitzian settings : Decoupling approach revisited</i>
11h30-12h	R. Henrion , <i>Optimality conditions for a PDE-constrained control problem with probabilistic and almost-sure state constraints</i>
12h-12h30	A. Calogero , <i>On the engulfing property for convex functions</i>
12h30-14h	Lunch
	Chairman : D. Zagrodny
14h-14h30	G. Colombo , <i>On the optimal control of Moreau's sweeping process</i>
14h30-15h	M. Quincampoix , <i>On Metric Regularity of some Variational Inequalities Applications to Optimal Control</i>
15h-15h30	J. E. Martinez-Legaz , <i>Feasibility problems via paramonotone operators in a convex setting</i>
15h30-16h30	Posters & Coffee break
	Chairman : S. Adly
16h30-17h	H. Ramirez , <i>Extensions of Constant Rank Qualification Constrains condition to Nonlinear Conic Programming</i>
17h-17h30	M. Sene , <i>Geometric characterizations of regularity of sets by tangent cones</i>
17h30-18h	F. Nacry , <i>Selected works in Variational Analysis</i>

8:00 p.m. : Gala dinner at Restaurant La Closerie, 18 rue Sainte Anne 21000 DIJON

Wednesday 28/06/2023

	Chairman : S. Adly
8h30-9h	B. Mordukhovich , <i>Local Monotonicity and Variational Convexity in Variational Analysis</i>
9h-9h30	N. Zlateva , <i>Epigraphical characterization of uniformly lower regular functions in Hilbert spaces</i>
9h30-10h	A. Hantoute , <i>How much is the variational value function far from being convex?</i>
10h-10h30	M. Thera , <i>Nonlinear weak sharp minimum and the stability of a local minimum on metric spaces</i>
10h30-11h	Coffe break
	Chairman : R. Henrion
11h-11h30	J. P. Penot , <i>Semiconvex regularization</i>
11h30-12h	A. Daniilidis , <i>Determination of functions by Metric Slopes</i>
12h-12h30	D. Zagrodny , <i>Determining functions by slopes</i>
12h30-14h	Lunch
	Chairman : A. Hantoute
14h-14h30	F. Flores-Bazan , <i>Characterizing simultaneous diagonalization for two matrices</i>
14h30-15h	M. De Lara , <i>Hidden Convexity in the ℓ_0 Pseudonorm</i>
15h15h30	N. Sukhorukova , <i>Deep learning and its mathematical nature</i>
15h30-16h	P. Perez-Aros , <i>Some connexions between subdifferential and weak compactness of sublevels</i>
16h-16h30	Coffe break
	Chairman : A. Jourani
16h30-17	B. Hernandez-Jimenez , <i>gH-differentiability for interval-valued functions: applications</i>
17h-17h30	C. Pinteá , <i>Various types of closed convex sets</i>
17h30-18h	R. Diaz-Milan , <i>Minimal faces of convex sets in general vector spaces</i>
18h	Closing conference