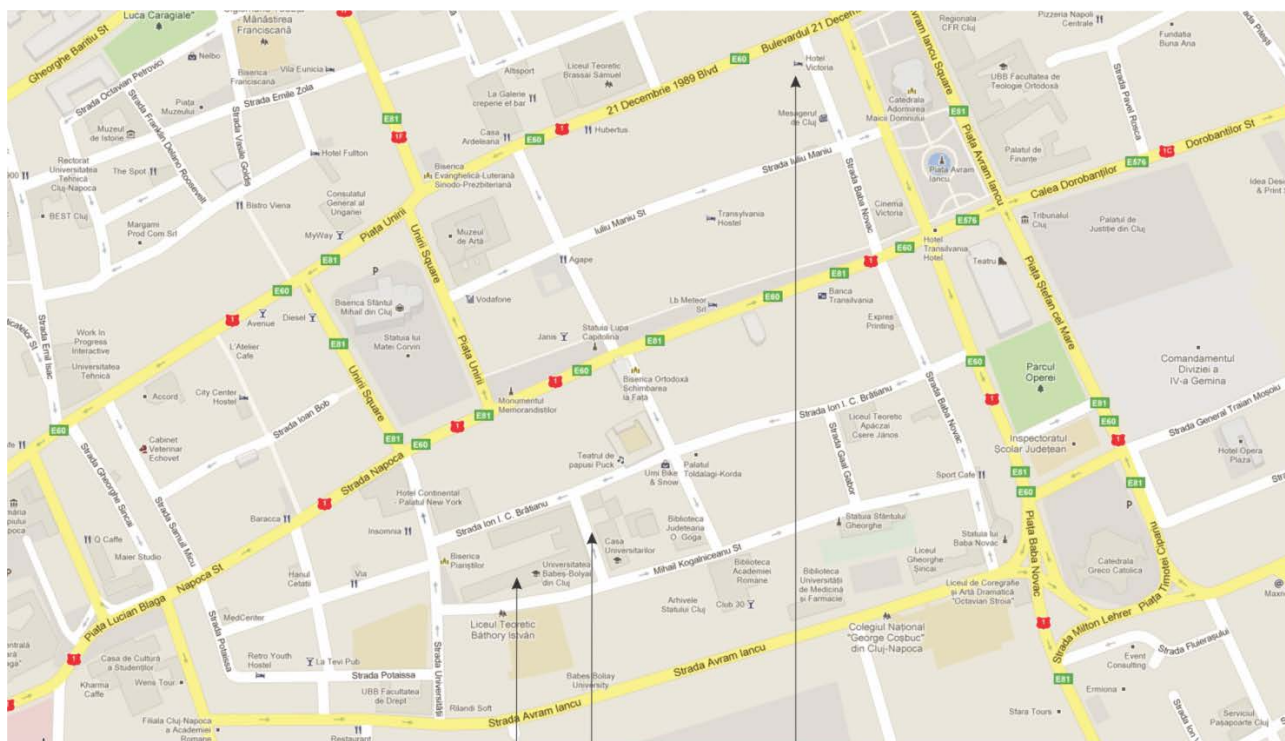


10th International Symposium on Generalized Convexity and Monotonicity

PROGRAM

The Symposium will be hosted by the Faculty of Mathematics and Computer Science at Babeş-Bolyai University of Cluj-Napoca, during the period of August 22-27, 2011.

- Welcome Buffet and Registration on August 22, 19:00-21:00, will take place at “Casa Universitarilor” Restaurant (1, Em. de Martonne Street).
- The following activities will be held in the main building of Babeş-Bolyai University (1, M. Kogălniceanu Street):
 - Registration (continuation) on August 23, 8:00-8:55, in Room “N. Iorga” (1st floor)
 - Opening Ceremony on August 23, 9:00-9:25, in Room “Aula Magna” (2nd floor)
 - Plenary Sessions in Room “N. Iorga” (1st floor)
 - Parallel Sessions in Room “N. Iorga” (1st floor) and Room “T. Popoviciu” (1st floor)
 - Coffee Breaks in Room 126 (1st floor).
- Lunches on August 23, 24 and 26 (for those participants who registered for) will be served at “Casa Universitarilor” Restaurant.
- Excursion by bus on August 25 (for those participants who registered for) starts in the morning at 8:00 from the main building of Babeş-Bolyai University.
- Symposium’s Banquet on August 26, 19:00-23:00, (for those participants who registered for) will be hosted by the “Victoria” Hotel’s Restaurant (54-56, “21 Decembrie 1918” Street).



“Victoria” Hotel (54-56, “21 Decembrie 1918” Street)

“Casa Universitarilor” Restaurant (1, Em. de Martonne Street)

The main building of Babeş-Bolyai University (1, M. Kogălniceanu Street)

Monday, August 22, 2011

19:00 - 21:00 **Welcome buffet and Registration** – “Casa Universitarilor” Restaurant
(1, Emmanuel de Martonne Street, next to the symposium’s site)

Tuesday, August 23, 2011

8:00 - 8:55 **Registration** (continuation) – Room “N. Iorga”

9:00 - 9:25 **Opening ceremony** – Room “Aula Magna”

Plenary session	Room “N. Iorga”; Chair: Dinh The LUC
9:30 - 10:25	Yurii NESTEROV (Invited speaker), <i>Random gradient-free minimization of convex functions</i>

10:25 - 10:45 **Coffee break**

Parallel sessions	Room “N. Iorga”; Chair: Hang-Chin LAI	Room “T. Popoviciu”; Chair: Constantin NICULESCU
10:45 - 11:10	Alfredo Noel IUSEM , <i>On diagonal subdifferential operators in nonreflexive Banach spaces</i>	Jacek TABOR , <i>Uniform convexity I</i>
11:10 - 11:35	Didier AUSSEL , <i>Single-directional properties of quasimonotone set-valued maps</i>	Józef TABOR , <i>Uniform convexity II</i>
11:35 - 12:00	Sándor KOMLÓSI , <i>On pseudolinear fractional functions - the implicit function approach</i>	Anulekha DHARA , <i>Second Order Optimality Conditions in Minimax Optimization Problems with $C(1,1)$ Data</i>

12:00 - 14:00 **Lunch**

Plenary session	Room “N. Iorga”, Chair: Riccardo CAMBINI
14:00 - 14:55	Jiří OUTFATA (Invited speaker), <i>Second-order variational analysis and its applications</i>

14:55 - 15:15 **Coffee break**

Parallel sessions	Room “N. Iorga”; Chair: Yurii NESTEROV	Room “T. Popoviciu”; Chair: Wolfgang Werner BRECKNER
15:15 - 15:40	Lai-Jiu LIN , <i>Nonempty Intersection Theorems With or Without Generalized KKM Assumption and Variational Relation Problems</i>	Mircea BALAJ , <i>An Intersection Theorem for Set-Valued Mappings</i>
15:40 - 16:05	Gert WANKA , <i>Duality for set-valued vector optimization</i>	Vsevolod IVANOV , <i>Characterizations of pseudoconvex functions</i>
16:05 - 16:30	Radu Ioan BOȚ , <i>Error bound results for convex inequality systems via conjugate duality</i>	Constantin NICULESCU , <i>The Hermite-Hadamard Type Inequalities. Old and New</i>

16:30 - 16:50 **Coffee break**

Parallel sessions	Room “N. Iorga”; Chair: Gábor KASSAY	Room “T. Popoviciu”; Chair: Lai-Jiu LIN
16:50 - 17:15	Daniel GOURION , <i>Lagrangian vector functions for multiple objective linear problems</i>	Flavia Corina MITROI , <i>Refinements of Hermite-Hadamard inequality</i>
17:15 - 17:40	Attila GILÁNYI , <i>On weakly subquadratic functions</i>	Poom KUMAM , <i>Hybrid steepest descent method for solving triple-hierarchical fixed point approach to variational inequalities constrained optimization problem</i>
17:40 - 18:05	Shoham SABACH , <i>Methods for solving systems of variational inequalities</i>	Siwaporn SAEWAN , <i>Convergence theorems for solving zero points of maximal monotone operators and equilibrium problems in Banach spaces</i>

Wednesday, August 24, 2011

Special Session	<i>Dedicated to Professor Schaible, for his longtime service to the GC group.</i> Room "N. Iorga"; Chair: Nicolas HADJISAVVAS	
9:00 - 9:25	Dinh The LUC , <i>Recent developments in variational relations</i>	
9:25 - 9:50	Nicolas HADJISAVVAS , <i>Local boundedness of generalized monotone operators</i>	
9:50 - 10:15	Riccardo CAMBINI , <i>A note on semi-pseudoconvexity and "generalized" invexity</i>	

10:15 - 10:35 Coffee break

Parallel sessions	Room "N. Iorga"; Chair: Stephen Michael ROBINSON	Room "T. Popoviciu"; Chair: Kazimierz NIKODEM
10:35 - 11:00	Siegfried SCHAIBLE , <i>The abstract equilibrium problem and its special realizations</i>	Monica PATRICHE , <i>Fixed points for weakly convex pairs of correspondences and applications</i>
11:00 - 11:25	Ruey-Lin SHEU , <i>Augmented Lagrange Primal-Dual Approach for Generalized Fractional Programs</i>	André HEINRICH , <i>Employing Different Loss Functions for the Classification of Images via Supervised Learning</i>
11:25 - 11:50	João Paulo COSTA , <i>Using cuts to enhance computations in MOLFP via Reference Points</i>	Alin Marian RUSU , <i>About Tsallis entropy: stability and convergence</i>

11:50 - 14:00 Lunch

Parallel sessions	Room "N. Iorga"; Chair: Constantin ZĂLINESCU	Room "T. Popoviciu"; Chair: Ioan M. STANCU-MINASIAN
14:00 - 14:25	Henri BONNEL , <i>Some aspects of multiobjective optimal control</i>	Judit MAKÓ , <i>On strongly (α, \mathbb{F}) convex functions</i>
14:25 - 14:50	Ionel ROVENȚA , <i>Applications of generalized convexity to the existence of finite time blow-up solutions for an evolutionary problem</i>	Attila HÁZY , <i>On (α, β, a, b)-convex functions</i>
14:50 - 15:15	Gabriel-Teodor PRIPOAE , <i>Generalized convexity in the affine differential setting</i>	Oana Ruxandra TUNS , <i>Max-p min-max points of a multi-criteria discrete programming problem</i>

15:15 - 15:35 Coffee break

Parallel sessions	Room "N. Iorga"; Chair: Sándor KOMLÓSI	Room "T. Popoviciu"; Chair: Alfredo Noel IUSEM
15:35 - 16:00	Shun-Chin HO , <i>Optimality Conditions and Parametric Duality for Nonsmooth Multiobjective Fractional Programings involving Exponential V-r-invexity</i>	Liana CIOBAN , <i>Duality for ε-variational inequalities via the subdifferential calculus</i>
16:00 - 16:25	Hang-Chin LAI , <i>Nonsmooth Minimax Fractional Programming and Exponential (p, r)-invexity</i>	Ernö Robert CSETNEK , <i>On a zero duality gap result in extended monotropic programming</i>
16:25 - 16:50	Andreea Mădălina STANCU , <i>On general duality models in multiobjective fractional programming with n-set functions</i>	Sorin-Mihai GRAD , <i>On Linear Vector Optimization Duality</i>

16:50 - 17:10 Coffee break

Parallel sessions	Room "N. Iorga"; Chair: Zsolt PÁLES	Room "T. Popoviciu"; Chair: Radu Ioan BOȚ
17:10 - 17:35	Gabriela CRISTESCU , <i>Restricted oriented convexity with respect to a given set</i>	Dan-Ștefan MARINESCU , <i>The Lipschitz continuity of generalized convex functions</i>
17:35 - 18:00	Daniela MARIAN , <i>Some Generalized Convex Functions</i>	Mohammad Hossein ALIZADEH , <i>Local boundedness of monotone bifunctions</i>

Thursday, August 25, 2011

08:00 - 20:00 Excursion (Cluj-Napoca – Turda – Alba Iulia – Cluj-Napoca) for the group of participants who registered for it.

Friday, August 26, 2011

Plenary session	Room "N. Iorga"; Chair: Siegfried SCHAIBLE
9:00 - 9:55	Stephen Michael ROBINSON (Invited speaker), <i>Local Analysis of Variational Conditions</i>

9:55 - 10:15 Coffee break

Parallel sessions	Room "N. Iorga"; Chair: Jiří OÚTRATA	Room "T. Popoviciu"; Chair: Henri BONNEL
10:15 - 10:40	Elisabetta ALLEVI, <i>Gauss-Seidel Method for Multi-Valued Inclusions with Z Mappings</i>	Zsolt PÁLES, <i>A Maximum Theorem for Convex Functions</i>
10:40 - 11:05	Beatriz HERNÁNDEZ-JIMÉNEZ, <i>Generalized convexity in non-regular programming problems with inequality-type constraints</i>	Kazimierz NIKODEM, <i>Remarks on strongly convex functions</i>

11:05 - 11:25 Coffee break

Parallel sessions	Room "N. Iorga"; Chair: Elisabetta ALLEVI	Room "T. Popoviciu"; Chair: Gert WANKA
11:25 - 11:50	Pierre VON MOUCHE, <i>On the geometric structure of the set of Nash equilibria of games in strategic form</i>	Mihály BESSENYEI, <i>Separation by Beckenbach families</i>
11:50 - 12:15	Vasyl GORBACHUK, <i>Monotone operators for Cournot-Nash equilibria search</i>	Pál BURAI, <i>Regularity and convexity results for generalized convex functions</i>

12:15 - 14:00 Lunch

Plenary session	Room "N. Iorga"; Chair: Didier AUSSEL
14:00 - 14:55	Constantin ZĂLINESCU (Invited speaker), <i>On the differentiability of the support function</i>

14:55 - 15:15 Coffee break

Parallel sessions	Room "N. Iorga"; Chair: Ruey-Lin SHEU	Room "T. Popoviciu"; Chair: Attila GILÁNYI
15:15 - 15:40	Szilárd LÁSZLÓ, <i>Generalized monotone operators, generalized convex functions and closed countable sets</i>	Szymon WASOWICZ, <i>Support theory of convex functions of higher order</i>
15:40 - 16:05	Boglárka BURJÁN-MOSONI, <i>B-well posedness and M-well posedness for the weak vector equilibrium problem</i>	Majid SOLEIMANI-DAMANEH, <i>Scalarization for characterization of (strong/weak/approximate/proper) efficiency in set-valued vector optimization</i>
16:05 - 16:30	Adela CAPĂTĂ, <i>On vector equilibrium problems</i>	Ștefan COBZAȘ, <i>Ekeland variational principle in quasi-metric and in quasi-uniform spaces</i>

16:35 - 17:00 General assembly – Room "N. Iorga"

19:00 - 23:00 Banquet – "Victoria" Restaurant

Saturday, August 27, 2011

Parallel sessions	Room "N. Iorga"; Chair: Adrian PETRUȘEL	Room "T. Popoviciu"; Chair: Ștefan COBZAȘ
9:00 - 9:25	Shiv Kumar GUPTA , <i>Duality for a class of symmetric nondifferentiable multiobjective fractional variational problems with generalized (F, α, ρ, d) - convexity</i>	Cornel PINTEA , <i>Preimages of some generalized monotone operators</i>
9:25 - 9:50	Ouayl CHADLI , <i>On Existence and Algorithmic approach for Bilevel Equilibrium Problems in Banach Spaces</i>	Delia Maria NECHITA , <i>Looking for exact calculus rules for the Dini-Hadamard subdifferential</i>
9:50 - 10:15	Anca GRAD , <i>Generalized Interior-Type Optimality Conditions for Set-Valued Duality</i>	Alina-Ramona BAIAS , <i>Subdifferential formulae for convex risk functions</i>

10:15 - 10:35 Coffee break

Parallel sessions	Room "N. Iorga"; Chair: Nicolae POPOVICI	Room "T. Popoviciu"; Chair: Cornel PINTEA
10:35 - 11:00	Ivan GINCHEV , <i>Characterization and recognition of d.c. functions</i>	Mihaela BERCHEȘAN , <i>Lipschitz b-preinvex functions in Asplund spaces</i>
11:00 - 11:25	Fabián FLORES-BAZÁN , <i>Efficiency and ordering variational principles</i>	Traian Ionuț LUCA , <i>Economic applications of dynamic optimization</i>

11:30 – 11:45 Closing – Room "N. Iorga"