

CURRICULUM VITAE (November 2017)

Aris DANIILIDIS (Athens, April 15, 1970)

Department of Mathematical Engineering & Center of Mathematical Modeling
University of Chile (Beauchef 851, Edificio Norte, piso 5, Santiago de Chile)

E-mail: arisd@dim.uchile.cl ; arisd@mat.uab.cat

Web page: <http://www.dim.uchile.cl/~arisd/>

Researcher ID : <http://www.researcherid.com/rid/I-6737-2013>

Languages: English, French, Catalan, Spanish, Greek (written/spoken fluently)

PROFESSIONAL SITUATION

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|--------------------|---|
| since 2017 | Deputy Director, Centre of Mathematical Modelling
DIM-CMM UMI CNRS 2807, University of Chile, Santiago de Chile |
| since 2013 | Full Professor (<i>Profesor Titular</i>), Department of Mathematical Engineering
DIM-CMM UMI CNRS 2807, Beauchef 851, Edificio Norte, piso 5, FCFM
University of Chile, Santiago de Chile |
| 2007—2013 | Tenure Associate Professor (<i>Professor Agregat</i>) (on leave),
Department of Mathematics, University Autonomous of Barcelona, SPAIN |
| 2004—2007 | Tenure-track researcher (<i>investigador Ramon y Cajal</i>), Department of Mathematics
University Autonomous of Barcelona, SPAIN |
| Autumn 2003 | Post-doctorate researcher, INRIA, Rhône-Alpes, FRANCE
BIBOP Team (Non-regular Mechanics) |
| 2002—2003 | Post-doctorate researcher, Department of Economics
University Autonomous of Barcelona, SPAIN |
| 2001—2002 | Post-doctorate researcher, INRIA, Rhône-Alpes, FRANCE
NUMOP Team (Numerical Optimization) |
| 2000—2001 | Teaching Assistant (ATER), Laboratory of Applied Mathematics
University of Pau, FRANCE |
| 1998—2000 | Post-doctorate researcher (Marie-Curie Fellow), CNRS Talence, FRANCE |

DIPLOMAS, DEGREES

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|-------------|---|
| 2002 | Habilitation in Applied Mathematics
University of Pau, Academy of Bordeaux, FRANCE |
| 1997 | PhD Dissertation in Mathematics
University of the Aegean, GREECE |
| 1992 | Degree in Physics, University of Athens, GREECE
Graduation Rank 1 (top of class); Entrance Rank 2 (after National competition in 1988) |

VISITING POSITIONS

- University Paris-Sud (Orsay), France, « Professeur Invité » (February 2017, 2 semaines)
- INSA-Rennes, France, « Professeur Invité » (Novembre 2016, PR1-03)
- University of Toulouse 1 (Capitole), France « Professeur Invité » (May 2012, PR1-03)
- University of Versailles (Saint Quentin), France, « Professeur Invité » (March 2012, PR1-03)
- University of Pau, France « Professeur Invité » (4 times)
(December 2011, PR1-03) (June 2009, PR1-03), (June 2008, PR1-03), (May 2007, PR2-03)
- University « Politecnico di Milano », Italia « Professore visitatore » (INDAM, GNAMPA, Feb. 2011)
- University of Tours, France, « Professeur Invité » (Spring 2008, PR1-01)
- University of Antilles-Guyana, France DOM (2 times)
« Professeur Invité » (April 2006, MCF-08), (February 2005, MCF-05)
- University of Savoy, France, « CNRS Associé » (Spring 2005, CRA-07)
- University of the Aegean, Greece, « Adjutant Lecturer » (Spring 2001, Lecturer 407).

INVITED RESEARCH STAYS

UNED (2017), University of Nice (2016), University of Bordeaux 1 (2015), University of Cornell (2012), University of Provence (2011), University Paris 6 (2010, 2009), University of Versailles (2010), University 'Las Americas' of Puebla (2010), The Technion University of Haifa (2010, IMPA, Rio de Janeiro (2007), University of Padova (2007), University of Tours (2006), University of Nagoya (2004), University of Saïtama (2004), Center of Mathematical Modelling, Chile (2004), Simon Fraser University (2003).

GRANTS

I) Research grants

(★) Scientific Responsible of the project (I.P.)

2017-2020 (★)	FONDECYT Regular 1171854 (Budget : 90.341.000 CLP), CONICYT, CHILE « Unifying paradigms, models and structure in Optimization » (2 persons)
2017-2020	GdR 3273 MOA , CNRS, FRANCE « Mathématiques de l'Optimisation et Applications » International Scientific Committee (5 members)
2015-2019	MathAmSud, CHILE-PERU-BRAZIL-FRANCE « From monotonicity to dynamics and equilibrium: structures and applications » (22 persons)
2016-2018 (★)	CONICYT REDES-150040 (Budget 24.000.000 CLP) (10 persons) « Hamiltonian Dynamics and Differential Inclusions »
2015-2019	MTM2014-59179-C2-1-P (Budget 97.800 €), MICINN, SPAIN « Fundamentals, Methods and Applications in Continuous Optimization »
2015-2017 (★)	ECOS-CONICYT C14E06 (Chile-France co-operation) (I.P- Chilean Part) (10 persons) « Intrinsic properties of Functional Analysis: convexity, geometry and nonlinear mappings » FONDECYT Regular 1130176 (Budget : 88.320.000 CLP), CONICYT, CHILE

2013–2016 (★)	« Exploring Structure in Variational Analysis: Self-contractedness, permutation invariance and o-minimality » (2 persons)
2012–2015 (★)	MTM2011-29064-C03-01 (Budget : 42.800 €), Ministry of Education, SPAIN « Variational Optimization: Structure and Duality » (5 persons)
2008–2011 (★)	MTM2008-06695-C03-03 (Budget : 52.400 €), Ministry of Education, SPAIN « Models of Convex Analysis, Tame Optimization and Applications » (6 persons)
2005–2008	MTM2005-08572-C03-03 (Budget : 25.000€), Ministry of Education, SPAIN « Convexity and Monotonicity. Applications to Optimization » (3 persons)
2003–2004 (★)	MEC129163 (Budget : 6.000 €), Ministry of Education, SPAIN « Nonsmooth Analysis and Integration of multi-valued operators » (1 person)
2001–2002	EDF R&D (MOS) & INRIA (Budget : 30.000 €), FRANCE « Primal-Dual heuristic in combinatorial optimization » (2 persons)
1998–2000	ERBFMBICT983381 (Budget : 327.427FF ($\cong$ 4.900€)), European Commission « Subdifferentials and applications to generalized convexity » (2 persons)
1996–1998	RUUA-328 (Budget : 1.600.000 DRH ($\cong$ 4.800 €)), U. Aegean, Research Unit, GREECE « Variational Inequalities and Equilibrium problems » (2 persons)

II) Grants for complementary actions

(★★) Scientific Responsible for the activity

2011 (★★)	Budget: 7.800 € (Ref. SARE-CEXT-0464, i-math) Project Consolider for the International Conference: « Optimization Theory: Algorithms and Applications in Economics » (October 24-28, 2011)
2011 (★)	Budget : 8.000 € (Ref. MTM2011-14208-E/MTM, Ministry of Education, SPAIN) Complementary action: Organization of an International Conference (5 persons) « Optimization: Theory, algorithms and Applications to Economics » (October 24-28, 2011)
2011 (★)	Budget : 4.000 € (Ref. 2011ARCS-DGR, AGAUR, Generalitat of Catalonia) Complementary action: Organization of an International Conference (5 persons) « Optimization: Theory, algorithms and Applications to Economics » (October 24-28, 2011)
2010 (★★)	Budget: 3000 € (Ref. ORG2010-36, UAB, SPAIN) Announcement for grants for organization of conferences « Recent Advances in Optimization and Related Topics » (November 29–December 3, 2010)
2010 (★★)	Budget: 47.329 € (Ref. PMII-C5-0333, i-math) Project Consolider for the Research Program: « Variational Analysis and Optimization » (September 1 – December 31, 2010)
2010 (★)	Budget : 6200 € (Ref. MTM2009-08146E/MTM, Ministry of Education, SPAIN) Complementary action: Organization of an International Conference (5 persons) « Recent Advances in Optimization and Related Topics » (November 29–December 3, 2010)
2009 (★★)	Budget: 22.325 € (Ref. MIGS-C4-0212, i-math) Project Consolider for the summer school: « Advances in Optimization: Theory, Methods and Applications » (July 20-24, 2009)

2009 (★)	Budget : 5870 € (Ref. MTM2008-04356-E/MTM, Ministry of Education, SPAIN) Complementary action: Organization of a Summer school at the CRM (5 persons) « Advances in Optimization: Theory, Methods and Applications » (July 20-24, 2009)
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ASSOCIATE EDITOR

- *Mathematical Programming (Series A)* (since 2005)
- *Journal of Mathematical Analysis and Applications* (since 2008)
- *Journal of Global Optimization* (since 2008)
- *G-Optimization* (Francis & Taylor) (since 2012)
- *Journal of Optimization Theory and Applications* (since 2014)
- *Mathematics of Operational Research* (since 2016)

GUEST EDITOR

Modern Optimization Modelling Techniques (Series: *Advanced Courses in Mathematics*, Birkhauser, Basel, 2011, ISBN 978-3034802901). Proceedings of the summer school “*Advances in Optimization: Theory, Algorithms and Applications*” (with J.E. Martinez-Legaz) (CRM, July 20-24, 2009)

TOP (with A. Ferrer Biosca and A. Juan Perez)
 Proceedings of the International conference ‘*Numerical Optimization and Applications in Engineering*’ (CRM, October 13-15, 2010).

SVVA (Set-Valued Variational Analysis) (with R. Correa, B. Mordukhovich)
 Proceedings of the “2nd International conference on Variational Analysis and Optimization” (Santiago, January 5-10, 2014)

EXTERNAL EVALUATOR OF SCIENTIFIC PROJECTS AND RESEARCH UNITS

Austria: FWF (Austrian Science Fund): 2016

Chile: CONICYT (Program BASAL, “Anillos”, Human Capital, PCI), FONDECYT, MSI (Millennium Science)

Czech Republic: CSF-GASP

Greece: APELLA (Committee of Election of Faculty Members)

Israel: ISF (Israel Foundation Institute)

Spain: ANEP (National Agency for Evaluation of Research Projects, Spain)

Romania: CNCS (Romanian National Research Council)

SCIENTIFIC COMMITTEES, PANELS

Chile: Interdisciplinary Expert Panel for the “Anillos” Program (Team grants): September 2011

Spain: ANEP, Selection Committee for the National competitions “Ramon y Cajal” (5 years tenure-track contracts) and “Juan-de-la-Cierva” (3 years post-doctorate contracts): May 2011

ORGANIZATION OF INTERNATIONAL CONFERENCES / SUMMER SCHOOLS

« 2nd International Conference on Variational Analysis and Optimization », (in honor of L. Thibault), (January 5-10, 2014), Member of the organizing committee, Santiago, Chile.

« XIII Escuela de Primavera », DIM-CMM, Universidad de Chile (October 14-25, 2013), Santiago, Chile.

« Optimization: Theory, Algorithms and Applications in Economics » OPT2011 (October 24-28, 2011)
 Chair of the organizing committee. Chair of the scientific committee. CRM, Barcelona, Spain.

« Advances in Optimization and Related Topics » ADORT2010 (November 29 – December 3, 2010)
Chair of the organizing committee. Chair of the scientific committee. CRM, Barcelona, Spain.

« Numerical Optimization and Applications in Engineering » NUMOPEN2010 (October 13-15, 2010).
Chair of the organizing committee. CRM, Barcelona, Spain.

« Advances in Optimization: Theory, Algorithms and Applications » (July 20-24, 2009, 70 participants)
Chair of the organizing committee. CRM, Barcelona, Spain.

« 6th International Symposium on Generalized Convexity and Generalized Monotonicity » (August 1999).
Member of the committee. University of the Aegean, Samos, Greece.

SCIENTIFIC COMMITTEE OF CONFERENCES (EXTERNAL MEMBER).

- XIII Global Optimization Workshop (GOW'16) (September 4-8, 2016), Braga, Portugal
- Approximation and Optimization (MATRIX) Melbourne (July 10-22, 2016).
- 12 ISORA, Lima, Peru (October 5-9, 2015)
- 13th Conference on Function Theory on Infinite Dimensional Spaces, Madrid (February 4-7, 2014).
- Congress SMAI 2013, Seignosse, France (May 27-31, 2013).

REVIEWER

- Mathematical Reviews (116 articles, 3 books)
- Zentralblatt MATH (62 articles, 1 book)
- CMS Reviews (1 book)
- TOP Commentator (*Spanish Journal in Operational Research*)

REFEREE

Monographs: Springer, Berlin (monographs in Mathematics) ; CRC Press (Taylor & Francis group).

Journals: Transactions of the AMS, Proceedings of the AMS, American Monthly, Bulletin of the London Mathematical Society, SIAM Journal on Control and Optimization, SIAM Journal on Optimization, Foundations of Computational Mathematics, Mathematics of Operational Research, Mathematical Programming, Mathematische Nachrichten, Transactions IEEE Circuits & Systems ...

TEACHING ACTIVITIES

Head of the Department School (“Jefe Docente”): University of Chile (July 2014-June 2016)

Deputy Director, Centre of Mathematical Modeling: University of Chile (since June 2017)

Member of the Doctoral committee: University of Chile (since September 2013)

PhD Students (*in progress*)

Gonzalo Flores Garcia (University of Chile, CONICYT fellow)

Roberto Bobadilla (University of Chile, CONICYT fellow)

Master Thesis Students.

(*finished*) Sebastian Tapia (University of Chile, September 2017), Roberto Bobadilla (University of Chile, October 2016), Gonzalo Flores Garcia (University of Chile, September 2016), Ata Atur (UAB, July 2011), María del Mar Gómez Pujalte (UAB, September 2010).

(*in progress*) Francisco Venegas (University of Chile), Guillaume Grelier (École Centrale de Lille)

Lectures in Advanced Courses (spring, summer schools)

Elementos de Optimización y Análisis Convexo (6 lectures, October 20-24, 2014)

EMALCA (International Spring School), Universidad Nacional de San Antonio Abad del Cusco, Peru

Gradient dynamical systems (5 lectures, April 20-24, 2009) (International School)

Advanced Spring School (graduate students/young researchers), Paseky, Czech Republic.

Measure Theory (5 lectures, August 1995) (National School)

Summer School (graduate students in Physics & Mathematics), Karlovassi, GREECE

Courses (undergraduate and Master level) taught in:

University of Pau (1999-2001), University of Grenoble (2002), University Tours (2008), University of the Aegean (1996, 2001), University Autonomous of Barcelona (2005-2013), University of Chile (2013-2015).

CONFERENCES, SEMINARS, WORKSHOPS

TALKS IN INTERNATIONAL CONFERENCES

(Plenary Talks)

Nonsmooth Optimization and its Applications, May 15-19, 2017, HCM, Bohn, Germany (*keynote*)

Mathematical Optimization Down-Under (MODU2016), July 18-22, 2016, Melbourne, Australia (*keynote*)

Variational Analysis, Optimization and Quantitative Finance, May 18-22, 2015, Limoges, France

(Conference in honor of Terry Rockafellar on the occasion of his 80th birthday.)

Function Theory on Infinite Dimensional Spaces XII, February 7-10, 2012, Madrid, Spain

Convex Analysis, Optimization and Applications. January 5-9, 2010, Les Houches, France

(Conference in honor of Claude Lemaréchal on the occasion of his 65th birthday.)

International Conference in Nonsmooth and Variational Analysis, Limoges, June 2007

Calculus of Variations, Shape Optimization, Chambéry, June 10-13, 2003

7th International Conference on Approximation and Optimization, Dominican Republic, April 2006.

(Talks in Parallel Sessions)

V CLAM (Latin American congress of Mathematicians), Barranquilla, Colombia, July 11-15, 2016.

ISMP2015 (International Symposium of Mathematical Programming), Pittsburgh, July 12-17, 2015.

International Functional Analysis Meeting (FAV2010), Valencia, Spain, June 7-11, 2010.

(Conference in honor of Manuel Valdivia on the occasion of his 80th birthday)

EURO 2006, Reykjavik, Island, July 2006 (Invitation).

Applied Mathematics and Applications of Mathematics, Nice, France, February 10-13, 2003 (Invitation).

11th French-German-Polish Conference in Optimization, Cottbus, Germany, September 09-13, 2002.

Advances in Convex Analysis and Global Optimization, Samos, June 05-09, 2000.

6th International Symposium on Generalized Convexity and Monotonicity, Samos, August 1999.

5th International Conference on Approximation and Optimization, Pointe-à-Pître, France, March 1999.

9th Belgian-French-German Conference in Optimization, Namur, Belgium, September 1998.

TALKS IN INTERNATIONAL WORKSHOPS

XIII International Seminar on Optimization and Related Areas, October 9-13, 2017, Lima, Peru

Splitting Algorithms, Modern Operator Theory, and Applications, BIRS conference, September 17-22, 2017, Oaxaca, Mexico

66th Workshop "Advances in Convex Analysis and Optimization, July 5-11, 2016, Erice, Italy

Weak Sharp Minima in Optimization, KFUPM, Dec. 14-15, 2015, Dhahran, Saudi Arabia
 Workshop on the Whitney problems, October 19-23, 2015, Luminy, France
 XII International Seminar on Optimization and Related Areas, October 5-9, 2015, Lima, Peru
 Real Analytic Geometry and Trajectories of Vector Fields, June 8-12, 2015, Luminy, France
 Real singularities and applications, February 16-20, 2015, Luminy (Marseille), France
 Real Number Complexity Workshop (FoCM2014), Dec. 9-11, 2014, Montevideo, Uruguay
 IV Latin American Workshop on Optim. & Control (LAWOC), July 15-18, 2014, Lima, Peru
 XI ISORA, October 7-13, 2013, Lima, Peru
 Alicante-Elche-Limoges Workshop in Optimization (ALEL VI), Limoges, July 2-4, 2012.
 Workshop on Optimization and Related Topics (Università Cattolica), Milano, May 10-11, 2012.
 III Latin American Workshop on Optim. & Control (LAWOC), Viña del Mar, Jan.10-13, 2012
 7th Franco-Chilean Days of Optimization, Perpignan, December 1-3, 2011.
 Alicante-Elche-Limoges Workshop in Optimization, Castro Urdiales (ALEL III), June 23-25, 2011.
 Workshop on Optimization and Related Topics (Università Cattolica), Milano, May 5-6, 2011.
 Workshop on Geometry and Algebra of Linear Matrix Inequalities (GeoLMI), LAAS-CNRS, Toulouse, November 19-20, 2009
 12th Workshop on Well-Posedness of Optimization and related topics, Trento, Italy, Sept. 2009
 Workshop on Optimization and Applications, Sofia, December 17-19, 2008
 5th Workshop on Vector Optimization and Related Topics, Madrid, June 26-27, 2008
 11th Workshop on Well-Posedness of Optimization and related topics, Alicante, Spain, September 2007.
 Workshop on Nonsmooth Analysis and Applications, Madrid, February 07-09, 2007
 Workshop in Economics & Applied Mathematics, Barcelona, December 12-14, 2002
(Distinction in the Poster Competition)
 Workshop in Computational and Experimental Mathematics, Vancouver, July 31, 2003

TALKS IN NATIONAL CONFERENCES (*France, Greece, Spain, Chile*)

(Plenary)

« SOMACHI 2014 », (Diciembre 4-6, 2014, Termas de Quinamávica) Chile
 « SOMACHI 2013 », (November 7-9, 2013, Olmué) Chile
 « Journées du groupe MODE de la SMAI » (Dijon, March 28-30, 2012) (**key note**)
 « VI Encuentro de Análisis Funcional y Aplicaciones », Salobreña, April 15-17, 2010 (**semi-plenary**)
 « Congreso de la Real Sociedad Matemática Española 2009 », Oviedo, February 4-7, 2009
 (session: Real geometry and Optimization)
 « Seminario de Optimización y Análisis Variacional », Elche, October 25-26, 2007.
 « Journées pour la mémoire de Thomas Lachand-Robert », Paris 6, January 22-24, 2007
 « Rencontre 3ème Cycle » (Bordeaux, November 17-19, 1999)
 « Journées Bordeaux-Pau-Toulouse » (Anglet, Juin 19, 1999)

(Talks in Parallel Sessions)

« Jornadas de Matemática de la Zona Sur » (Chile): XXVIII, April 22-24, 2015, Termas de Chillán)
 (XXVII, April 23-25, 2014 Trailanqui, Temuco) ; (XXVI, April 24-26, 2013, Termas de Quinamávica, Maule)

« Journées du groupe MODE de la SMAI »: (13èmes, Pointe-à-Pître, April, 19-22, 2006), (11èmes, Pau, March 27-29, 2003), (10èmes, Montpellier, March 27-29, 2002), (8èmes, Toulouse, March 23-25, 2000), (7èmes, Orléans, March 18-20, 1999)

« 6èmes Journées Pau-Saragosse de Mathématiques Appliquées et de Statistiques », (Jaca, Sept. 16-17, 1999)

« National Conference on Analysis » (12th, Athens, May 2008), (6th, Samos, Sept. '97), (4th, Patras, Sept. '94)

SEMINARS

ARGENTINA: UBA (23/06/2016, Colloquium), IAM (24/06/2016, Seminario Mischa Cotlar).

AUSTRALIA: Melbourne (25/07/2016, Seminar RMIT).

BELGIUM: Université Catholique de Louvain-la-Neuve (March 12, 2007).

BRAZIL: Universidade Federal da Rio (30/03/2007), IMPA, Rio de Janeiro (13/04/2007).

CANADA: CECM, University of Simon Fraser, Vancouver (July 2, 2003).

CHILE: PUC (September 25, 2015, Colloquium), Universidad de Concepción (June 12, 2013), Center of Matematical Modeling, University of Chile, Santiago (June 30, 2004).

FRANCE: Paris Orsay (02/02/2017, séminaire géométrie-topologie; 07/02/2017, séminaire analyse harmonique), Paris 6 (03/02/2017, séminaire géométrie-systèmes dynamiques), Marseille 1 (9/05/2011 & 12/05/2011), INRIA Rhône-Alpes (21/04/2011), Bordeaux (06/11/2017, 26/11/2015, 07/07/2008, 04/06/2007 & 09/11/1998), Tours (20/03/2008, 01/06/2006), Pau (28/06/2012, 29/06/2009, 16/06/2009, 08/07/2008, 28/05/2007 & 15/10/2002), Grenoble (05/06/2008 & 09/03/2006, Colloquium), Montpellier II (24/2/2015, 08/03/2006, 09/12/2003 & 21/3/2000), Limoges (03/03/2006, 26/04/2002 & 28/5/1999), Paris (16/05/2005, Paris Optimization Seminar), Savoie (15/04/2011, 11/04/2005, 07/11/2003 & 16/04/2002), Pointe-à-Pître (09/12/2011, 23/09/2010, 13/12/2008, 13/04/2006, 10/02/2005 & 24/02/2005), Brest (05/04/2011, 02/12/2003), Lyon I (25/11/2003 & 19/12/2001), Avignon (08/11/2001).

GREECE: Thessalonica, Department of Mathematics (27/05/2003), Crete, Department of Applied (3/9/2002), Athens, Department of Mathematics (15/03/2004 & 4/9/2001), National Technical University of Athens (20/05/2014, 09/12/2009, 11/2/2009, 9/9/2008, 29/5/2002, 29/5/2001), Samos, Department of Mathematics (14/3/2001).

ISRAEL: The Technion University of Haifa (March 7, 2010)

ITALIA: Università di Pisa (February 23, 2011), Università Cattolica di Sacro Cuore, Brescia (February 22, 2011), Politecnico di Milano (February 16, 2011), Università degli Studi di Padova (February 28, 2007).

JAPAN: University of Saïtama, Tokyo (December 3, 2004).

MEXICO: Benemérita Universidad Autónoma de Puebla (March 24, 2010)

SPAIN: Tordesillas (Valladolid) (18/2/2016), Universitat Politècnica de Catalunya (29/05/2009), Universidad de Murcia (11/05/2009), Centre de Recerca Matemàtica (24/04/2007), Universidad Complutense de Madrid (15/09/2005), Universitat Autònoma de Barcelona (04/06/2010, 26/02/2010, 21/12/2009, 04/12/2006, 05/07/2005, 18/10/2004, 21/04/2004 Colloquium & 01/03/1004), Universidad de Alicante (20/09/2005 & 27/02/2004), Universidad de Elche (19/09/2005 & 26/02/2004).

SWITZERLAND: Optimization seminar of ETH & University of Zurich (November 10, 2008)

PUBLICATIONS (716 citations from 603 authors – Source: Math. Reviews – 05/11/2017)_____

1. Gradient flows, second order gradient systems and convexity (preprint ArXiv 1710.07858) (with T. Boulmezaoud, P. Cieutat)
2. Explicit formulas for $C^{1,1}$ Glaeser-Whitney extensions of 1-Taylor fields in Hilbert spaces, *Proc. Amer. Math. Soc.* (to appear) (with O. Ley, M. Haddou, E. Le Gruyer)
3. Self-contracted curves in Riemannian manifolds, *J. Math. Anal. Appl.* **457** (2018), 1333–1352 (with R. Deville, E. Durand, L. Rifford)
4. Trajectory length of the tame sweeping process, *Ann. Inst. Fourier* **67** (2017) (in press) (with D. Drusvyatskiy)
5. A partial answer to the Demyanov-Ryabova conjecture, *Set-Valued Var. Anal.* (2017) (in press) DOI 10.1007/s11228-017-0439-2 (with C. Petitjean)
6. Sard theorems for Lipschitz functions and applications in Optimization, *Israel J. Math.* **212** (2016), 757–790 (with L. Barbet & M. Dambrine & L. Rifford)
7. Spectral (Isotropic) Manifolds and Their Dimension, *J. Anal. Math.* **128** (2016), 369-397 (with J. Malick & H. Sendov)
8. On the structure of locally symmetric manifolds, *J. Convex Anal.* **22** (2015), 399-426 (with J. Malick & H. Sendov)
9. Cut-generating functions and S-free sets, *Math. Oper. Res.* **40** (2015), 276-391 (with M. Conforti, G. Cornuéjols, C. Lemaréchal & J. Malick)
10. Stability in linear optimization under perturbations of the left-hand side coefficients, *Set-Valued Var. Anal.* **23** (2015), 737-758 (with M.-A. Goberna, M. Lopez & R. Lucchetti)
11. Rectifiability of self-contracted curves in the Euclidean space and applications, *J. Geom. Anal.* **25** (2015), 1211-1239 (with G. David, E. Durand-Cartagena & A. Lemenant).
12. Orbits of geometric descent, *Canad. Math. Bull.* **58** (2015), 44-50 (with D. Drusvyatskiy & A. S. Lewis)
13. Orthogonal Invariance and Identifiability, *SIAM J. Matrix Anal. Appl.* **35** (2014), 580-598 (with D. Drusvyatskiy & A. S. Lewis)
14. Morse-Sard theorem for Clarke critical values, *Adv. Math* **242** (2013), 217-227 (with L. Barbet & M. Dambrine).
15. Lower semicontinuity of the feasible set mapping of linear systems relative to their domains, *Set-Valued Var. Anal.* **21** (2013), 67-92 (with M.-A. Goberna, R. Lucchetti, M. Lopez).
16. Cut Generation Functions, IPCO 2013, M. Goemans and J. Correa (Eds), *Lecture Notes on Computer Sciences* **7801**, Springer Heidelberg (2013) 123-132 (with M. Conforti, G. Cornuéjols, C. Lemaréchal & J. Malick)
17. Continuity and differentiability of set-valued maps revisited in the light of tame geometry, *J. London Math. Soc.* **83** (2011), 637–658 (with Jeffrey C.H. Pang (+))
18. Generic identifiability and second-order sufficiency in tame convex optimization, *Math. Oper. Res.* **36** (2011), 55-70 (with J. Bolte & A. Lewis).
19. Generalized Hessians of $C^{1,1}$ -functions and second-order viscosity subjects, *SIAM J. Optim* **20** (2010), 340–358 (with L. Barbet & P. Soravia)
20. On the asymptotic behavior of Planar Curves, *J. Math. Pures Appl* **94** (2010), 183-199 (with O. Ley and S. Sabourau)

21. Characterizations of Lojasiewicz inequalities: subgradient flows, talweg, convexity, *Trans. Amer. Math. Soc.* **362** (2010), 3319-3363 (with J. Bolte, O. Ley, L. Mazet)
22. Identifying Structure of Nonsmooth Convex Function by the Bundle Techniques, *SIAM J. Optim.* **20** (2009), 820–840 (with C. Sagastizabal & M. Solodov).
23. Subdifferential characterization of approximate convexity: the lower semi-continuous case, *Math. Programming* (Series B) **117** (2009), 5–19 (with F. Jules & M. Lassonde)
24. Tame functions are semismooth, *Math. Programming* (Series B) **116** (2009), 115–127 (with J. Bolte & A. Lewis)
25. On the first Integral Conjecture of René Thom, *Bull. Sci. Math.* **132** (2008), 625–631 (with J. Cresson & M. Shiota)
26. Prox-regularity of spectral functions and spectral sets, *J. Convex Anal.* **15** (2008), 547–560 (with A. Lewis, J. Malick & H. Sendov).
27. Clarke subgradients of stratifiable functions, *SIAM J. Optimization* **18** (2007), 556-572 (with J. Bolte, A. Lewis & M. Shiota)
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(†) indicates that the co-author was a doctorate student and that this work was part of his/her PhD Thesis.

OTHER WORKS

Habilitation Thesis: (301 p.) *Convex and Quasi-convex Analysis: Applications in Optimization* (in French), University of Pau, Bordeaux Academy (2002).

PhD Thesis: (85 p.) *Applications of Generalized Convexity and Generalized Monotonicity to Variational Inequalities and Vector Optimization* (in Greek), University of the Aegean (1997).

Bachelor Thesis: (40p.) *Determination and Extension of Measures* (in Greek), University of Athens (1992).

Lecture Notes: *Elements of Vector Measure Theory* (in Greek): 'Proceedings of the 3rd Summer School on Analysis, Algebra and Mathematical Physics', ZITI Editions (Thessaloniki), pp. 57-94 (1997).

Lecture Notes: *Gradient Dynamical Systems, Tame Optimization and Applications*, Spring School in Variational Analysis 2009, Paseky Nad Jizerou, Czech Republic.

Lecture Notes: *Metric spaces* (in Spanish), 155p., Undergraduate course “Topology”, Part 1 (Department of Mathematical Engineering, University of Chile), 2016.

VARIOUS – COMPLEMENTARY INFORMATION

ACCREDITATIONS

Accreditation ANECA -- CU (“Catedrático de Universidad”) (Spain 2011)

Accreditation of Advanced Research (AQU, Catalonia, 2010)

Accreditation of the Program I-3 (Distinguished Researcher Trajectory) (ANEP, Spain 2007)

Accreditation of Research (AQU, Catalonia, Spain 2005)

Accreditation of Professorship Level in Applied Mathematics (Qualification PR-26) (CNU, France, 2003)

SCHOLARSHIPS

Graduate Studies: Bodossakis Foundation (1993-96), Undergraduate Studies: Papadakis Foundation (1989-92)

AWARDS

Awards from the Greek Mathematical Society: National Olympiads 1985 (2nd award), 1987 (Distinction)

Awards from the Municipality of Athens: Best school performance (1985, 1986, 1987, 1988)

High School Degree: Final Grade 19,6 out of 20 (Distinction)

National competition for entrance in University (ranked second – IKY award): 1988

Major (best student), Physics Department, University of Athens, 1992 (Final grade 8,66 out of 10)

HOBBIES

Chess: FIDE Master (Best ELO 2345 – Current ELO 2313), Greek Junior Champion (1988), Greek National Team (Olympiad 1988), Greek National Junior Team (Balkan championship 1988, 1989, 1990), European Junior Championship, Arnhem, Netherlands, 1988 (13th position), Team Student Champion – Selection of University of Athens (1989)