

MARCO A. LÓPEZ CERDÁ

Curriculum Vitae
(September 10, 2011)

1 Personal information

Date of birth: 01-08-1949

Place of birth: Alcoy (Spain)

Address: C/ Reyes Católicos, 55 - 5º A, 03003 Alicante (Spain)

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2 Academic Degrees

Graduate in Mathematics, Valencia University, 30/09/1971.

Doctor in Mathematics, Valencia University, 30/09/1973.

3 Research Interests

Semi-Infinite Programming, Stability and Well-Posedness in Optimization, Convex Analysis, Game Theory (mainly Cooperative Games), Infinite-Dimensional Optimization.

4 Visited and lectured at:

- Statistical Laboratory, Cambridge University (England), 3 months, 1982.
- Judge Institute of Management Studies, Cambridge University (England), 1 month, 1995.
- Mathematics Faculty, Trier University, (Germany), 1 month, 1995.
- Universities of Mendoza and St. Luis (Argentina), 1 month in 1998 and 2001, 2 months in 2003.

- Cheng Kong University (Tainan, Taiwan), short stays in 1998, 2004, 2007, 2008, and 2009.
- Universidades de Puebla (México), Benemérita y UDLA, 1 week in 2001 and 2002, 2 weeks in 2005.
- Universidad de Santiago de Compostela, 1 week per year, since 2000 until 2007.
- Universidad Autónoma de Barcelona, 1 month in 2004.
- Twente University (Enschede, The Netherlands), 1 week, 2004.
- City University of Hong Kong, 1 week, 2007.

5 Positions held

2010- Honorary Research Fellow at CIAO (Centre for Informatics and Applied Optimization, University of Ballarat, Australia)

1985- Full Professor, Faculty of Sciences, Alicante University, Alicante, Spain.

1981-85 Full Professor, Mathematics Faculty, Valencia University, Valencia, Spain.

1978-81 Assistant Professor, Mathematics Faculty, Valencia University, Valencia, Spain.

1971-81 Lecturer, Mathematics Faculty, Valencia University, Valencia, Spain.

6 Books

Goberna M.A., **López M. A.**, *Linear Semi-Infinite Optimization*, Wiley Series in Mathematical Methods in Practice, John Wiley & Sons, Chichester, 1998.

7 Edited books

Goberna M.A., **López M. A.**, *Semi-Infinite Programming. Recent Advances*, Nonconvex Optimization and Its Applications 57, Kluwer Academic Publishers, Dordrecht, 2001.

8 Articles in refereed journals

1. Goberna M.A., Jeyakumar V., Li G., **López M.A.**, Robust linear semi-infinite programming duality under uncertainty, *Mathematical Programming, Series B*, 2011, accepted.
2. Dinh N., Goberna M.A., **López M.A.**, On the stability of the optimal value and the optimal set in optimization, *Journal of Convex Analysis*, accepted.
3. Hiriart-Urruty J-B., **López M.A.**, Volle M., The ε -strategy in variational analysis. Illustration with the closed convexification of a function, *Revista Matemática Iberoamericana*, 27 (2011), 449-474.
4. **López M.A.**, M. Volle M., On the subdifferential of the supremum of an arbitrary family of extended real-valued functions, *RACSAM*, 105 (2011) 3-21.
5. **López M.A.**, Stability in linear optimization and related topics. A personal tour, *Top*, 19 (2011), doi: 10.1007/s11750-011-0213-9
6. Cánovas M.J., **López M.A.**, Parra J., Toledo F.J., Distance to ill-posedness for linear inequality systems under block perturbations: convex and infinite dimensional cases, *Optimization*, in press (2011), doi:10.1080/02331934.2011.606624.
7. **López M.A.**, Ridolfi A., Vera de Serio V.N., On coderivatives and Lipschitzian properties of the dual pair in optimization, *Nonlinear Analysis-Theory Methods & Applications*, in press (2011), doi:10.1016/j.na.2011.06.036.
8. Dinh N., Goberna M.A., **López M.A.**, Volle M., Convex inequalities without constraint qualification nor closedness condition, and their applications in optimization, *Set Valued Analysis*, 18 (2010) 423-445.
9. Dinh N., Goberna M.A., **López M.A.**, On the stability of the feasible set in optimization problems, *SIAM Journal on Optimization*, 20 (2010) 2254-2280.
10. Dinh N., **López M.A.**, Volle M., Functional inequalities in the absence of convexity and lower semicontinuity with applications to optimization, *SIAM Journal on Optimization*, 20 (2010) 2540-2559.

11. **López M.A.**, Volle M., A formula for the set of optimal solutions of a relaxed minimization problem, *Journal of Convex Analysis*, 17 (2010) 1057-1075.
12. **López M.A.**, Wu S.Y., Ling C., Qi L., A mathematical programming approach to strong separation in normed spaces, *Journal of Convex Analysis*, 17 (2010) 211-227.
13. Cánovas M.J., **López M.A.**, Mordukhovich B., Parra, J., Variational analysis in semi-infinite and infinite programming, II: Necessary optimality conditions, *SIAM Journal on Optimization*, 20 (2010) 2788-2806.
14. Cánovas M.J., **López M.A.**, Mordukhovich B., Parra, J., Variational analysis in semi-infinite and infinite programming, I: Stability of linear inequality systems of feasible solutions, *SIAM Journal on Optimization*, 20 (2009) 1504-1526.
15. Cánovas M.J., Hantoute A., **López M.A.**, Parra, J., Lipschitz modulus in convex semi-infinite optimization via d.c. functions, *ESAIM: Control, Optimisation and Calculus of Variations*, 15 (2009) 763-781.
16. Li Ch., Fang D., López G., **López M.A.**, Stable and total Fenchel duality for convex optimization problems in locally convex spaces, *SIAM Journal on Optimization*, 20 (2009) 1032-1051.
17. Auslender A., Goberna M.A., **López M.A.**, Penalty and smoothing methods for convex semi-infinite programming, *Mathematics of Operations Research*, 34 (2009) 303-319.
18. Cánovas M.J., Dontchev A.L., **López M.A.**, Parra, J., Isolated calmness of solution mappings in convex semi-infinite optimization, *Journal of Mathematical Analysis and Applications*, 350 (2009) 829-837.
19. Cánovas M.J., Hantoute A., **López M.A.**, Parra, J., A note on the compactness of the index set in convex optimization. Application to metric regularity, *Optimization*, Pub. on line: 29 May 2008.
20. Cánovas M.J., Hantoute A., **López M.A.**, Parra J., Stability of indices in the KKT conditions and metric regularity in convex semi-infinite optimization, *Journal of Optimization Theory and Applications*, 139 (2008) 485-500.

21. Hantoute A., **López M.A.**, A complete characterization of the subdifferential set of the supremum of an arbitrary family of convex functions, *Journal of Convex Analysis*, 15 (2008) 831-858.
22. Hantoute A., **López M.A.**, Zalinescu C., Subdifferential calculus rules in convex analysis: A unifying approach via pointwise supremum functions, *SIAM Journal on Optimization*, 19 (2008) 863-882.
23. Hantoute A., **López M.A.**, Characterization of total ill-posedness in linear semi-infinite optimization, *Journal of Computational and Applied Mathematics*, 217 (2008) 350-364.
24. Cánovas M.J., **López M.A.**, Parra, J., On the equivalence of parametric contexts for linear inequality systems, *Journal of Computational and Applied Mathematics*, 217 (2008) 448-456.
25. Cánovas M.J., Hantoute A., **López M.A.**, Parra, J., Lipschitz modulus of the optimal set mapping in convex optimization via minimal subproblems, *Pacific Journal on Optimization*, 4 (2008) 411-422.
26. Cánovas M.J., Hantoute A., **López M.A.**, Parra, J., Lipschitz behavior of convex semi-infinite optimization problems: a variational approach, *Journal of Global Optimization*, 41 (2008) 1-13.
27. Fajardo M.D., **López M.A.**, Linear representations and quasipolyhedrality of a finite-valued convex function, *Optimization*, 57 (2008) 215-237.
28. Goberna M.A., Jeyakumar V., **López M.A.**, Necessary and sufficient constraint qualifications for solvability of systems of infinite convex inequalities, *Nonlinear Analysis-Theory Methods & Applications*, 68 (2008) 1184-1194.
29. Cánovas M.J., Klatte D., **López M.A.**, Parra J., Metric regularity in convex semi-infinite optimization under canonical perturbations, *SIAM Journal on Optimization*, 18 (2008) 717-732.
30. **López M.A.**, Still G., Semi-infinite programming, *European Journal of Operational Research*, 180 (2007) 491-518.
31. Dinh N., Goberna M.A., **López M.A.**, Son T.Q., New Farkas-type constraint qualifications in convex infinite programming, *ESAIM: Control, Optimisation and Calculus of Variations*, 13 (2007) 580-597.

32. Fajardo M.D., **López M.A.**, Some results on quasipolyhedral convexity, *TOP*, 15 (2007) 103-113.
33. Cánovas M.J., **López M.A.**, Parra, J., Toledo F.J, Sufficient conditions for total ill-posedness in linear semi-infinite optimization, *European Journal of Operational Research*, 181 (2007) 1126-1136.
34. **López M.A.**, Vera de Serio V.N., Stability of inequality systems involving max-type functions, *Pacific Journal on Optimization*, 3 (2007) 361-378.
35. Cánovas M.J., **López M.A.**, Parra, J., Toledo F.J, Error bounds for the inverse feasible set mapping in linear semi-infinite optimization via a sensitivity dual approach, *Optimization*, 56 (2007) 547-563.
36. Dinh N., Goberna M.A., **López M.A.**, From linear to convex systems: Consistency, Farkas Lemma and applications, *Journal of Convex Analysis*, 13 (2006) 279-290.
37. Fajardo M.D., **López M.A.**, Some results about the facial geometry of convex semi-infinite systems, *Optimization*, 55 (2006) 661-684.
38. Cánovas M.J., **López M.A.**, Parra, J., Toledo F.J, Ill-posedness with respect to the solvability in linear optimization, *Linear Algebra and its Applications*, 416 (2006) 520-540.
39. Cánovas M.J., **López M.A.**, Parra, J., Toledo F.J, Distance to solvability/unsolvability in linear optimization, *SIAM Journal on Optimization*, 16 (2006) 629-649.
40. Cánovas M.J., **López M.A.**, Parra, J., Toledo F.J, Lipschitzianity of the optimal value via bounds on the optimal set in linear optimization, *Mathematics of Operations Research*, 31 (2006) 478-489.
41. Cánovas M.J., Dontchev A.L., **López M.A.**, Parra, J., Metric regularity of semi-infinite constraint systems, *Mathematical Programming*, 104 (2005) 329-346.
42. **López M.A.**, J.E. Martínez-Legaz , Farkas-type theorems for positively homogeneous semi-infinite systems, *Optimization*, 54 (2005) 421-431.
43. **López M.A.**, Rubinov A., Vera de Serio V.N., Stability of the lower level sets of ICAR functions, *Numerical Functional Analysis and Optimization*, 26 (2005) 113-127.

44. Goberna M.A., **López M.A.**, Todorov M.I., On the stability of closed-convex-valued mappings and the associated boundaries, *Journal of Mathematical Analysis and Applications*, 306 (2005) 502-515.
45. **López M.A.**, Rubinov A., Vera de Serio V.N., Stability of semi-infinite inequality systems involving min-type functions, *Numerical Functional Analysis and Optimization*, 26 (2005) 81-112.
46. Cánovas M.J., **López M.A.**, Parra, J., Toledo F.J, Distance to ill-posedness and consistency value of linear semi-infinite inequality systems, *Mathematical Programming*, 103 (2005) 95-126.
47. Cánovas M.J., **López M.A.**, Parra, J., Stability of linear inequality systems in a parametric setting, *Journal of Optimization Theory and Applications*, 125 (2005) 275-297.
48. Cánovas M.J., **López M.A.**, Parra, J., On the continuity of the optimal value in parametric linear optimization: Stable discretization of the Lagrangian dual of nonlinear problems, *Set-Valued Analysis*, 13 (2005) 69-84.
49. **López M.A.**, Meca A., Tijs S., Benefit sharing in holding situations, *European Journal of Operations Research*, 162 (2005) 251-269.
50. Goberna M.A., **López M.A.**, Todorov M.I., Extended active constraints in linear optimization with applications, *SIAM Journal on Optimization*, 14 (2003) 608-619.
51. Goberna M.A., **López M.A.**, Todorov M.I., A generic result in linear semi-infinite optimization, *Applied Mathematics and Optimization*, 48 (2003) 181-193.
52. Gayá V.E., **López M.A.**, Vera de Serio V.N., Stability in convex semi-infinite programming and rates of convergence of optimal solutions of discretized finite subproblems, *Optimization*, 52 (2003) 693-713.
53. Goberna M.A., **López M.A.**, Todorov M.I., A sup-function approach to linear semi-infinite optimization, *Journal of Mathematical Sciences*, 116 (2003) 3359-3368.
54. Cánovas M.J., **López M.A.**, Ortega E., Parra, J., Upper semicontinuity of closed convex valued multifunctions, *Mathematical Methods of Operations Research*, 57 (2003) 409-425.

55. Goberna M.A., **López M.A.**, Linear semi-infinite programming: An updated survey, *European Journal of Operations Research*, 143 (2002) 390-405.
56. Cánovas M.J., **López M.A.**, Parra, J., Stability in the discretization of a parametric semi-infinite convex inequality system, *Mathematics of Operations Research*, 27 (2002) 755-774.
57. Cánovas M.J., **López M.A.**, Parra, J., Upper semicontinuity of the feasible set mapping for linear inequality systems, *Set-Valued Analysis*, 10 (2002) 361-378.
58. Cánovas M.J., **López M.A.**, Parra, J., Stability of the feasible set for linear inequality systems: A carrier index approach, *Linear Algebra and its Applications*, 357 (2002) 83-105.
59. Goberna M.A., **López M.A.**, Wu S.Y., Separation by hyperplanes: A linear semi-infinite programming approach, in *Semi-Infinite Programming: Recent Advances*, M.A. Goberna and M.A. López (eds.), Kluwer, Boston-London-Dordrecht, pp. 255-269, 2001.
60. **López M.A.**, Vera de Serio V.N., Stability of the feasible set mapping in convex semi-infinite programming, in *Semi-Infinite Programming: Recent Advances*, M.A. Goberna and M.A. López (eds.), Kluwer, Boston-London-Dordrecht, pp. 101-120, 2001.
61. Anderson E., Goberna M.A., **López M.A.**, Simplex-like trajectories on quasi-polyhedral convex sets, *Mathematics of Operations Research*, 26 (2001) 147-162.
62. García-Jurado I., **López M.A.**, Sánchez-Soriano J., On the core of transportation games, *Mathematical Social Sciences*, 41 (2001) 215-225.
63. Cánovas M.J., **López M.A.**, Parra, J., Todorov M.I., Solving strategies and well-posedness in linear semi-infinite programming, *Annals of Operations Research*, 101 (2001) 171-190.
64. Goberna M.A., **López M.A.**, Todorov M.I., On the stability of the feasible set in linear optimization, *Set-Valued Analysis*, 9 (2001) 75-99.
65. Goberna M.A., **López M.A.**, On duality in semi-infinite programming and existence theorems for linear inequalities, *Journal of Mathematical Analysis and Applications*, 230 (1999) 173-192.

66. Cánovas M.J., **López M.A.**, Parra, J., Todorov M.I., Stability and well-posedness in linear semi-infinite programming, *SIAM Journal on Optimization*, 10 (1999) 82-98.
67. Fajardo M.D., **López M.A.**, Locally Farkas-Minkowski systems in convex semi-infinite programming, *Journal of Optimization. Theory and Applications*, 103 (1999) 313-335.
68. Anderson E., Goberna M.A., **López M.A.**, Locally polyhedral linear semi-infinite systems, *Linear Algebra and Its Applications*, 270 (1998) 231-253.
69. Goberna M.A., **López M.A.**, A comprehensive survey of linear semi-infinite optimization theory, in *Semi-Infinite Programming*, R. Reemtsen and J.-J. Rückmann (eds), Kluwer, Boston-London-Dordrecht, pp. 3-27, 1998.
70. **López M.A.**, Stability and well-posedness in linear semi-infinite optimization, *Proceedings of the IV Catalan Days of Applied Math.*, Tarragona, pp.163-174, 1998.
71. **López M.A.**, Mira J.A., Torregrosa G., On the stability of infinite-dimensional linear inequality systems, *Numerical Functional Analysis and Optimization*, 19 (1998), 1065 –1077.
72. Goberna M.A., **López M.A.**, Todorov M.I., Stability theory for linear inequality systems II: Upper semicontinuity of the solution set mapping, *SIAM J. Optimization*, 7 (1997) 1138-1151.
73. Goberna M.A., **López M.A.**, Todorov M.I., Stability theory for linear inequality system, *SIAM J. Matrix Analysis and Applications*, 17 (1996) 730-743.
74. Goberna M.A., **López M.A.**, Topological stability of linear semi-infinite inequality systems, *Journal of Optimization Theory and Applications*, 89 (1996) 227-236.
75. **López M.A.**, Pastor J.T., A review of O.R. practice in Spain, *TOP*, 3 (1995) 307-336.
76. Goberna M.A., **López M.A.**, Mira J.A., Valls J., On the existence of solutions for linear inequality systems, *Journal of Mathematical Analysis and Applications*, 192 (1995) 133-150.

77. Goberna M.A., **López M.A.**, Todorov M.I., Unicity in linear optimization, *Journal of Optimization Theory and Applications*, 86 (1995) 37-56.
78. **López M.A.**, Pastor J.T., O.R. applications in Spain. A brief review, *European Journal of Operations Research*, 87 (1995) 469-470.
79. Goberna M.A., **López M.A.**, Optimality theory for semi-infinite linear programming, *Numerical Functional Analysis and Optimization*, 16 (1995) 669-700.
80. Goberna M.A., **López M.A.**, Conditions for the uniqueness of the optimal solution in linear semi-infinite programming, *Journal of Optimization. Theory and Applications*, 72 (1992) 225-246.
81. Goberna M.A., **López M.A.**, Dimension and finite reduction in linear semi-infinite programming, *Optimization*, 25 (1992) 143-160.
82. Goberna M.A., **López M.A.**, Pastor J.T., Performance and location of bank branches, *Research Papers in Banking and Finance* (IEF) 90/15, United Kingdom, pp. 1-53, 1990.
83. Goberna M.A., **López M.A.**, The optimal value function in semi-infinite programming, *Journal of Optimization, Theory and Applications*, 59 (1988) 261-279.
84. Goberna M.A., **López M.A.**, A theory on the linear inequality systems, *Linear Algebra and its Applications*, 106 (1988) 77-115.
85. Goberna M.A., **López M.A.**, Some results on discretization and pivoting methods for linear semi-infinite programming, *Operational Research '87*, Proceedings of the Eleventh International Conference on Operational Research, G.K. Rand (ed.), North Holland (Netherlands). pp. 875-881, 1988.
86. Goberna M.A., **López M.A.**, Reduction and discrete approximation in linear semi-infinite programming, *Optimization*, 18 (1987) 643-658.
87. **López M.A.**, Vercher E., Convex semi-infinite games, *Journal of Optimization. Theory and Applications*, 50 (1986) 289-312.
88. Goberna M.A., **López M.A.**, Pastor J.T., A note about the consistency of an infinite linear inequality system, *Revista de la Unión Matemática Argentina*, 31 (1984) 197-201.

89. **López M.A.**, Vercher E., Una Aplicación de la Teoría de Dubovicki y Miljutin a la Programación Semi-Infinita Convexa, *Qüestió*, 8 (1984) 207-210 (in Spanish).
90. Goberna M.A., **López M.A.**, Pastor J.T., Vercher E., An overview of semi-infinite programming theory and related topics through a generalization of alternative theorems, *Trabajos de Estadística e Investigación Operativa*, 35 (1984) 32-47.
91. Goberna M.A., **López M.A.**, Conditions for the closedness of the characteristic cone associated to an infinite linear system, in *Infinite Programming*, E.J. Anderson and A.B. Philpott (eds), Springer-Verlag, Berlin Heidelberg New York Tokio, pp. 16-28, 1984 (Lecture Notes 259).
92. Goberna M.A., **López M.A.**, Pastor J.T., Vercher E., Alternative theorems for infinite systems with applications to semi-infinite games, *Nieuw Archief Voor Wiskunde*, 4 (1984) 218-234.
93. **López M.A.**, Vercher E., Optimality conditions for non-differentiable convex semi-infinite programming, *Mathematical Programming*, 27 (1983) 307-319.
94. Goberna M.A., **López M.A.**, Pastor J.T., Representación Finita de Sistemas de Infinitas Inecuaciones, *Trabajos de Estadística e Investigación Operativa*, 33 (1982) 3-26 (in Spanish).
95. Goberna M.A., **López M.A.**, Pastor J.T., Farkas-Minkowski systems in semi-infinite programming, *Applied Mathematics and Optimization*, 7 (1981) 295-308.
96. **López M.A.**, Teoría de Sistemas de Infinitas Inecuaciones Lineales y Programación Semi-Infinita, *Rev. de la Real Academ. de Cien. Exa., Fis. y Nat.* (Madrid), 75 (1981) 480-484.
97. Goberna M.A., **López M.A.**, Pastor J.T., Reducción de Programas Semi-Infinitos a Programas Finitos, *Publi. de la Sec. Matem. de la U. A. Barcelona*, 22 (1980) 265-269 (in Spanish).
98. **López M.A.**, Valls V., Consideraciones en torno a la Dualidad Simétrica en Programación No Lineal, *Trabajos de Estadística e Investigación Operativa*, 29-2 (1978) 52-68 (in Spanish).

99. **López M.A.**, Modelos Estratégicos Dinámicos para Mercados con Precios Fijos, *Trabajos de Estadística e Investigación Operativa*, 29-1 (1978) 40-66 (in Spanish).
100. Goberna M.A., **López M.A.**, Pastor J.T., Los Teoremas de Alternativa y su Relación con la Teoría de Juegos y las Propiedades Topológico-Algebraicas de \mathbb{R}^n , *Trabajos de Estadística e Investigación Operativa*, 27 (1976) 77-88 (in Spanish).
101. **López M.A.**, Valls V., Propiedades de las Funciones Cuasiconvexas, *Trabajos de Estadística e Investigación Operativa*, 27 (1976) 107-114 (in Spanish).
102. Aguilera J., **López M.A.**, Montes F., Pereira G., Détermination de la représentativité des inscriptions latines grace a la statistique inférentielle, *Antiquités Africaines*, 9 (1975) 115-126 (in French).
103. **López M.A.**, Procesos Markovianos de Cooperación y Valoración de un Juego, *Trabajos de Estadística e Investigación Operativa*, 26 (1975) 249-262 (in Spanish).

9 Successful Grant and Project Applications

1. “A Model for the University Entrance Exam”, *Consellería de Cultura, Educació i Ciencia, Generalitat Valenciana*, 1985.
2. “Alicante University: Planning Guidelines, *Excma. Diputación Provincial de Alicante*, 1985-1987.
3. “Mathematical Programming with Infinitely Many Constraints: Theoretical Basis and Analysis of its Applications”, *Comisión Asesora Nacional de Investigación Científica y Técnica*, 1985-1988.
4. “Public Services and Their Influence in the Demographic Changes”, *Excma. Diputación Provincial de Alicante*, 1986.
5. “Prospective for the Evolution of Alicante City until the Year 2020”, *Excma. Ayuntamiento de Alicante*, 1986.
6. “Performance Analysis of a Bank Branches Network: An Application to the Optimal Location of New Branches”, *Caja de Ahorros de Alicante y Murcia*, 1987-1989.

7. “Performance Analysis and Remodeling of a Bank Branches Network”, *Caja de Ahorros y Monte de Piedad de Segorbe*, 1988.
8. “The University as Services Supplier for the Alicante Industry”, *Patronato “Ángel García Rogel*, 1988.
9. “Dual Algorithms in Linear Semi-Infinite Programming”, *Dirección General de Investigación Científica y Técnica*, 1988-1990.
10. “Dual Methods in Semi-Infinite Programming: Theoretical Foundation and Convergence”, *Instituto Valenciano de Estudios e Investigación*, 1988-1990.
11. Scientific Responsible of *European Community’s Action for Cooperation in Sciences and Technology with Central and Eastern European Countries* (contract CIPA3510PL929132), 3 months stay in Alicante of Prof. M.I. Todorov, 1993.
12. “Linear Semi-Infinite Programming: Numerical Methods and Sensitivity Analysis”, *DGICYT*, 1995-1996.
13. “Linear Models with an Infinite Number of Constraints. Inequalities systems and Optimization Problems”, *DGES*, 1997-1999.
14. “Stability, Optimality and Redundancy Phenomena in Semi-Infinite Programming”, *DGES* PB98-0975, 1999-2002.
15. Senior Research Groups, *Generalitat Valenciana*, 2000.
16. “Linear Semi-Infinite Optimization and Extensions”, *MTM* 2005-08572-C03-01, 2005-2008.
17. Partner Investigator in Australian Research Council (ARC) Project DP110102011 (Chief Investigator: Dr. Alexander Kruger)

10 Organization of Conferences, Workshops, and Sessions

- XVI National Meeting of SEIO, Vicepresident of the Organizing Committee, Torremolinos (Spain), 1986.
- XVII National Meeting of SEIO, President of the Organizing Committee, Benidorm (Spain), 1988.

- IFORS 93: XIII World Conference on Operations Research, Organizer of a Special Section, Lisbon (Portugal), 1993.
- PARAOPT IV, Co-organizer of a “Minisymposium on Semi-Infinite Programming”, Enschede (Netherlands), 1995.
- XXIII National Meeting of SEIO, Member of the Program Committee, Valencia (Spain), 1997.
- EURO XV - INFORMS XXXIV, Member of the Local Organizing Committee, Barcelona (Spain), 1997.
- ISMP 97, Co-organizer of a Special Session, Lausanne (Switzerland), 1997.
- International Workshop on Semi-Infinite Programming and Related Topics, Member of the Executive Committee and Local Organizer (together with M.A. Goberna), Alicante (Spain), 1999.
- PARAOPT VI, Member of the Program Committee, Dubrovnik (Croatia), 1999.
- XXV National Meeting of SEIO, Member of the Program Committee, Vigo (Spain), 1999.
- EURO XVII, Co-organizer of a Special Session, Budapest (Hungary), 2000.
- APOPT VI, Member of the Program Committee, Guatemala City (Guatemala), 2001.
- XXVI National Meeting of SEIO, Member of the Program Committee, Úbeda (Spain), 2001.
- PARAOPT VI, Member of the Program Committee and co-organizer of a “Minisymposium on Semi-Infinite Programming”, Puebla (México), 2002.
- XXVII National Meeting of SEIO, Member of the Program Committee, Lérida (Spain), 2003.
- International Workshop on Stability and Well-Posedness, Member of the Program Committee, Luminy (France), 2003.

- FGS-2004, Member of the Program Committee, Avignon (France), 2004.
- XXVIII National Meeting of SEIO, Member of the Program Committee, Cádiz (Spain), 2004.
- 17th EURO Mini Conference: Continuous Optimization in Industry, Member of the Programme Committee, Pécs (Hungary), 2005.
- 8th SIAM Optimization Conference (SIAM OP05), Organizer of the Special Session “Semi-Infinite Programming I”, Stockholm (Sweden), 2005.
- 22nd IFIP TC 7 Conference on System Modeling and Optimization, Organizer of the Special Session “Recent Advances in Semi-Infinite Optimization”, Turin (Italy), 2005.
- International Workshop on Semi-Infinite Programming, Co-organizer, Tainan (Taiwan), 2005.
- The Iberian Conference in Optimization, Co-organizer, Coimbra (Portugal), 2006.
- 11th International Workshop on Well-Posedness of Optimization and Related Topics, Chair of Scientific Committee, Alicante (Spain), 2007.
- EUROPT-OMS Workshop, Vice-Chair of Organizing Committee, Prague (Chequia), 2007.
- EUROPT Workshop, Chair of the Program Committee, Remagen (Germany), 2009.
- EUROPT Workshop, Chair of the Program Committee, Aveiro (Portugal), 2010.
- 10th International Conference on Parametric Optimization and Related Topics (paraoptX), Member of the Program Committee, Karlsruhe (Germany), 2010.
- 24th Mini EURO Conference on Continuous Optimization and Information-Based Technologies in the Financial Sector, MEC-EurOPT-2010, Member of the Program Committee, Izmir (Turkey), 2010.

- JBHU 2010: Analyse Variationnelle, Optimisation et Applications, Member of the Scientific Committee, Bayonne (France), October 25-27, 2010.
- International Conference on Advances in Optimization and Related Topics (ADORT-2010), Member of the Scientific Committee, Barcelona (Spain), November 29 - December 3, 2010.
- Exploratory Workshop on Mixed Integer Non-Linear Programming, Member of the Organizing Committee, Sevilla (Spain), December 1-3, 2010.
- International conference on Optimization, Theory, Algorithms, and Applications in Economics (a tribute to Juan Enrique Martinez-Legaz on the occasion of his 60th birthday), Member of the Organizing Committee, Barcelona (Spain), October December 24-28, 2010.

11 Ph.D. Students Advised

1. Aportaciones a la Teoría de la Programación Semi-Infinita Lineal. *Jesús Tadeo Pastor Ciurana*, Facultad de Matemáticas, Universidad de Valencia, 1979.
2. Nuevos Resultados en la Teoría de la Programación Semi-Infinita No-Lineal. *Miguel Ángel Goberna Torrent*, Facultad de Matemáticas, Universidad de Valencia, 1979.
3. Teoremas de Alternativa para Sistemas Infinitos: Aplicaciones a la Programación y Juegos Semi-Infinitos. *Enriqueta Vercher González*, Facultad de Matemáticas, Universidad de Valencia, 1981.
4. Obtención de Todas las Soluciones Óptimas en los Problemas de Flujos en Redes. *Vicente Valls Verdejo*, Facultad de Matemáticas, Universidad de Valencia, 1981.
5. Un Caso Especial del Problema de Asignación Cuadrática. *Enrique Benavent López*, Facultad de Matemáticas, Universidad de Valencia, 1982.
6. Contribuciones a la Optimización Convexa en Espacios Localmente Convexos. *José Manuel Gutiérrez Díez*, Facultad de Matemáticas, Universidad de Valencia, 1982.

7. Circuitos Eulerianos Óptimos en Grafos No-Dirigidos: El Problema del Cartero Rural. *Ángel Corberán Salvador*, Facultad de Matemáticas, Universidad de Valencia, 1983.
8. Circuitos Eulerianos Óptimos en Grafos Dirigidos: El Problema del Cartero Rural Dirigido. *Enrique Mota Vidal*, Facultad de Matemáticas, Universidad de Valencia, 1983.
9. Secuenciación Óptima de Actividades con Limitación de Recursos. *Ramón Álvarez-Valdés Olaguibel*. Facultad de Matemáticas, Universidad de Valencia, 1984.
10. Circuitos Eulerianos Óptimos en Grafos Mixtos: El Problema del Cartero Chino Mixto. *Vicente Campos Aucejo*, Facultad de Matemáticas, Universidad de Valencia, 1984.
11. El problema del transporte. Una aproximación desde la teoría de juegos. *Joaquín Sánchez Soriano*. Facultad de Matemáticas, Universidad de Murcia, 1998 (coadviser: I. García-Jurado).
12. Estabilidad en Programación Semi-Infinita Lineal. *Juan Parra López*, Universidad de Alicante, 1999 (coadviser: M.I. Todorov).
13. Juegos Cooperativos asociados a Problemas de Inventario. *Ana Meca Martínez*. Universidad Miguel Hernández, 2000 (coadviser: I. García-Jurado).
14. Estabilidad de sistemas de desigualdades lineales en un contexto paramétrico. *María Josefa Cánovas Cánovas*. Universidad Miguel Hernández, 2000 (coadviser: J. Parra).
15. Distancia al mal planteamiento en programación semi-infinita lineal. *Francisco J. Toledo Melero*, Universidad Miguel Hernández, 2003 (coadvisers: M.J. Cánovas and J. Parra).
16. Algunas contribuciones a la programación semi-infinita convexa. *María Dolores Fajardo Gómez*, Universidad de Alicante, 2007.
17. On Metric Regularity of Mappings in Optimization, *Francisco Aragón Artacho*, Universidad de Murcia, 2008 (European Mention) (coadviser: A.L. Dontchev).

12 Service

- Reviewer of Research Projects for the “Comisión Interministerial de Ciencias y Tecnología”.
- SEIO (Spanish Society of Statistics and Operations Research) representative in IFORS, EMS, EURO, etc.
- Editor in Chief of SEIO Journal “Trabajos de Investigación Operativa” (1985-1987); Co-Editor in Chief of TOP (2000-2007), Associated Editor of “International Abstracts of Operations Research” (1990-2000); Associate Editor of Journal of Industrial and Management Optimization and TOP (at present).
- Elected Vice-President of SEIO, 1985 and 1998.
- Elected President of SEIO, 1986.
- Member of the Spanish Chapter of ICMI (International Committee for Mathematical Instruction), 1999-2001.
- Member of the “Comisión Valenciana de Acreditación y Evaluación de la Calidad del Sistema Universitario Valenciano (CVAEC)”, 2002-2004.
- Member of the Directors Board of i-MATH Consolider, 2006-2011. Main Coordinator (July 2008 - April 2012).
- Chair of EUROPT (EURO Working Group of EURO), 2008-2010.
- Expert of “Programa Nacional de Matemáticas”, and SISE 2006 and 2007.
- Member of the Steering Committee of IMUS (Instituto Matemáticas Universidad de Sevilla).