

# A Bibliography of Publications of Luis Vicente

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25 November 2011  
Version 1.05

## Abstract

This bibliography records publications about bilevel and multilevel programming and Stackelberg problems when considered as optimization problems – usually called static Stackelberg problems.

We have selected contributions in this area that deal with theory issues (properties, existence of solution, optimality conditions and so on), algorithms and numerical results, software and generation of test problems, applications and complexity issues.

References to be cited should be books, articles published in journals or special volumes and technical reports that are available to the broad research community. Conferences and seminar abstracts are not included.

An older version of this bibliography has been published; see [VC94].

## Title word cross-reference

$\epsilon$  [LM89c].

- [CW90a]. **-mixed** [MM93].

**-Regularized** [LM89c]. **-solutions** [LM90b].

**agricultural** [CFAM81]. **algorithm** [GÜ77].

**algorithms** [SA85, Pap82].

**analysis** [DJ79, She84]. **analytic** [LPW93].

**application** [deS78]. **applications** [BM74a].

**applied** [BA90]. **approach** [BKS80].

**approaches** [AMPS83].

**Approximate** [LM88].

**approximation** [LM89c, ML85].

**Artificial** [AMPS83]. **asymmetric** [HLS90].

**barrier** [AS81]. **based** [AMPS83].

**basin** [BCDO82]. **Best** [Wen81b].

**bi** [Ana85]. **bi-level** [Ana85].

**bibliography** [VC94]. **bicriteria** [Ünl87].

**bilevel** [Bar82, CW90a]. **Bilinear** [GÜ77].  
**bound** [BM90]. **Boyce** [Mar88].  
**branch** [BM90].  
**branch-and-bound** [HJS92].

**case** [Mar86]. **Characterizing** [LH94].  
**charges** [Sch80]. **chemical** [CW90a].  
**class** [Out90]. **cogeneration** [HLS90].  
**comment** [Can88]. **comparative** [SK92].  
**competition** [TF86]. **competitive** [BM78].  
**complementarity** [JF88].  
**complementary** [BKS80].  
**complexity** [Bla92].  
**computational** [SA81].  
**concave** [AKHP92]. **condition** [Dem89].  
**conditions** [Bar84b]. **conflict** [AA91].  
**congestion** [Mar86]. **constrained** [AS84].  
**constraints** [BM73, Pap82].  
**Construction** [BABBL92].  
**continuous** [Mar83].  
**continuous-kernel** [MM93].  
**Contributions** [Sav89]. **controls** [LS95].  
**convex** [TO84]. **coordinate** [FC93].  
**Coordination** [Bar83b]. **costs** [Pap82].  
**counts** [FC91]. **credit** [ÖDJ95].  
**crude** [deS78]. **cutting** [WMC93].

**D** [FC91]. **data** [MM95].  
**decentralized** [AS81]. **decision** [Shi82].  
**decisions** [BM78]. **decomposed** [SFT87].  
**decomposition** [FST87]. **Defense** [BM74a].  
**defined** [deS78]. **definition** [TF86].  
**delivered** [MFT92]. **demand** [HN92].  
**demand-side** [HN92]. **Derivative** [KL90].  
**descent** [CFW92]. **design** [SA85].  
**destination** [DKL92].  
**determining** [Sch80]. **deux** [Sav89].  
**developing** [KS88]. **developments** [Bar85].  
**differentiable** [Ish88]. **difficulties** [BAB90].  
**direction** [SG94]. **discrete** [BM92].  
**discrimination** [MS92].  
**distribution** [CKR71]. **Double** [IA92].  
**dual** [CFW92]. **dynamic** [NN82].

**East** [ÖDJ95]. **economic** [FAM81].  
**economics** [DJ79]. **economy** [Sta52].  
**effects** [Mar86]. **Efficient** [CKR71].  
**effluent** [Sch80]. **electric** [HN92].  
**emptive** [Nwo83]. **England** [HLS92].  
**environment** [BM78]. **equality** [CDT85].  
**Equilibrium** [FST87].  
**Equivalence** [BFM74]. **estimating** [FC91].  
**estimation** [DKL92]. **evaluation** [KL90].  
**exact** [GÜ77]. **Existence** [HP88].  
**experience** [KL90]. **explicit** [BF82].  
**Extensions** [Moo88].

**facility** [TF86]. **factorable** [deS78].  
**few** [LS95]. **flows** [LB86]. **formulas** [deS78].  
**formulation** [TF86]. **formulations** [CF95].  
**FORTTRAN** [CV94a]. **function** [BCC89].  
**functions** [AKHP92, AW90].  
**Fundamentals** [CW90a].

**game** [HLS92]. **games** [Pap82].  
**general** [Bar83a]. **generalized** [MZ92].  
**Generating** [CV93]. **Genetic** [MPA94].  
**Geometric** [Bar85]. **geometry** [CF92].  
**Global** [AKHP92]. **government** [CKR71].  
**grid** [Bar82].

**heuristic** [FST87]. **heuristics** [MM92].  
**hierarchical** [MMT70]. **hierarchy** [Jer85].  
**highway** [BABBL92]. **hybrid** [WB86].

**II** [CW90b]. **implementation** [MM92].  
**implicitly** [deS78]. **incentives** [Ana85].  
**Indonesia** [ÖDJ95]. **indus** [BCDO82].  
**inequalities** [KO92]. **inequality** [FTCM90].  
**inexact** [MZ92]. **information** [Ana85].  
**inner** [LS95]. **integer** [JC90].  
**intelligence** [AMPS83]. **inter** [BA90].  
**inter-regional** [BA90].  
**interpretation** [FAM81].  
**introduction** [AF92].  
**investigation** [Bar84a]. **issues** [HN92].

**Java** [ÖDJ95].

**kernel** [MM93]. **Korea** [KS88].  
**Kth** [Wen81b]. **Kth-Best** [Wen81b].

**large** [KL90]. **LCP** [JF92]. **leader** [She84].  
**Least** [LM92]. **Least-norm** [LM92].  
**level** [Sim77, Shi82]. **levels** [CKR71].  
**linear** [BK78]. **linear-quadratic** [CV93].  
**linear/quadratic** [Öna92].  
**literature** [Kol85]. **local** [VC95].  
**location** [TF86]. **lower** [LM90c].

**maker** [LS95]. **market** [Sta52].  
**marketing** [BM78]. **Mathematical** [BM73].  
**mathématique** [Sav89]. **matrix** [FC91].  
**max** [SA81]. **method** [BM74b, SA81].  
**methods** [DJ79]. **min** [SA81].  
**min-max** [SA81]. **minimization** [TMV94].  
**mixed** [MB90]. **mixed-integer** [EB92].  
**model** [deS78]. **models** [TF86].  
**modified** [Öna93]. **multi** [DJ79].  
**multi-level** [DJ79].  
**multidivisional** [Bar83b].  
**multilevel** [MMT70]. **multiple** [BM78].

**necessary** [Dem92a, Out93].  
**Network** [Mar83]. **niveaux** [Sav89].  
**nondegenerate** [CW90b].  
**nondifferentiable** [KO92].  
**nonlinear** [BM74b]. **norm** [LM92].  
**note** [CW88]. **Novel** [MS92].  
**numerical** [Out90].

**O** [FC91]. **O-D** [FC91]. **objectives** [BM78].  
**oil** [deS78]. **one** [Dem89]. **optimal** [LB86].  
**Optimality** [Bar84b].  
**optimization** [BM73]. **optimum** [KO92].  
**organization** [Bar83b]. **origin** [DKL92].  
**origin-destination** [DKL92].

**parameter** [SA85]. **parameters** [Mar83].  
**parametric** [BKS80].  
**Pareto** [MS91, Mig94].  
**penalization** [LPRW93]. **penalty** [SA81].  
**Performance** [CW90b].

**perturbations** [MM95]. **pivot** [BKS80].  
**plane** [WMC93]. **planning** [Bar85].  
**player** [HLS92]. **point** [Bar83c].  
**policy** [CN77b]. **polyhedral** [Pap82].  
**polynomial** [Jer85]. **posed** [Mor88].  
**potential** [CFAM81]. **power** [HLS90].  
**Pre** [Nwo83]. **Pre-emptive** [Nwo83].  
**price** [MFT92]. **pricing** [HLS90].  
**problem** [FAM81, JF88].  
**problems** [BM73, LCN84].  
**procedure** [Wen83]. **process** [CW90a].  
**processes** [Wen83]. **Production** [BM78].  
**programmation** [Sav89].  
**programming** [CN77a, Wen81b].  
**programs** [BM73]. **properties** [Ben89].

**quadratic** [AKHP92]. **quasi** [Ish88].  
**quasi-differentiable** [Ish88].  
**quasiconcave** [TMV94].

**real** [BABBL92]. **real-world** [BABBL92].  
**region** [CDT85]. **regional** [Sch80].  
**regularity** [CF95]. **regularization** [LM92].  
**Regularizations** [LM91].  
**Regularized** [LM89c].  
**representation** [FAM81].  
**resolution** [AA91]. **resource** [Wen83].  
**resources** [CKR71]. **result** [LM89a].  
**results** [LM89d, LM89c]. **review** [Kol85].  
**role** [CFAM81]. **rules** [HJS92].

**scheme** [LM89b]. **search** [Bar82].  
**selected** [KO93]. **Sensitivity** [deS78].  
**sequential** [LM89a]. **shape** [KO93].  
**side** [HN92]. **simple** [Jer85].  
**simplex** [Öna93]. **solution** [deS78].  
**solutions** [HP88]. **solve** [NN85].  
**solving** [BM74b]. **some** [NS90].  
**Spatial** [TF86]. **spatially** [MFT92].  
**special** [BCDO82]. **stability** [LM89a].  
**Stackelberg** [Sim77]. **stage** [Bar83c].  
**static** [Pap82]. **stationarity** [LPRW93].  
**steady** [CW90a]. **steady-state** [CW90a].  
**steepest** [SG94]. **strategies** [MM93].

**strategy** [CDT85]. **strict** [LM90b].  
**strictly** [VC95]. **structure** [SA85].  
**subject** [AKHP92]. **Subroutines** [CV94a]. [AF92]  
**sufficient** [Dem92a]. **sup** [LM90a].  
**systems** [MMT70, Sim77].

**taxation** [LMS93]. **their** [deS78].  
**theoretical** [LM89b]. **theory** [Sta52, ML85].  
**three** [CKR71, LCN84]. [AKHP92]  
**three-level** [WB86, LCN84].  
**Topological** [LM95]. **traffic** [FC91].  
**trust** [CDT85]. **Tunisian** [BA90].  
**two** [BFM74, Shi82].  
**two-level** [Sim77, Shi82].  
**two-stage** [Bar83c].

**use** [SA81]. **user** [LB86].  
**user-optimal** [LB86]. **using** [JF88].  
**utility** [HN92].

**variables** [LS95]. **variational** [FTCM90].  
**via** [AS84].

**weak** [LM92]. **well** [Mor88]. **well-**  
**posed** [Mor88].

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