Roberto Wolfler Calvo

Place and date of birth :	Milan, Italy, 27 Octobre 1964
Citizenship :	Italian
Residence :	19, Rue Condorcet, 75009 Paris, France
Corresponding address :	LIPN, Université de Paris Nord
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At a glance (April 14, 2016)

Endowments	PostDoc/PhD	Refered Papers	Google Scholar H-index
1MEUR	16	61	21 (19 since 2011)

Main research interests

- Combinatorial Optimisation and Operations Research
- Decomposition methods
- Heuristics and exacts methods
- Transport and Logistics
- Decision Support Systems

Formation

2007	**HDR**	Compiégne University of Technology (France)
1997	**Ph.D.**	Politecnico di Milano, (Italy)
1992	**Degree**	Politecnico di Milano, (Italy)

Grants

2016-2019 research and doctoral supervisor bonus
2012-2015 scientific excellence bonus
2007-2011 research and doctoral supervisor bonus
- Grant of the Projet Human Capital and Mobility.
  Research group of professor J.K. Lenstra.
  Mathematics and Computer science departement.
  Eindhoven University of Technology.

Employment History

Full-time :

2008-now	Full professor at AOC team - LIPN, Paris 13, France.
2002-2007	Associate professor, Institut Charles Delaunay (ICD), OSI team, Troyes University of Technology, France.
2001-2002	Lecturer at Institut Charles Delaunay (ICD), OSI team, Troyes University of Technology, France.
2001-2000	Research assistant at ISIS, DESIA, Joint Research Center, European Commission, Ispra, Italy.
2000-1998	Post-doc at at ISIS, DESIA, Joint Research Center, European Commission, Ispra, Italy.
1998-1996	Lecturer of Operations Research at Politecnico di Milano, Engineering Management, Come site

Part-time :

2002-2005	Lecturer of Operations Research at Politecnico di Milano, Engineering Management, Come site
2004-2005	Lecturer of Operations Research of Laurea online, at Politecnico di Milano
1992-1993	Programming consultant for the DELOS (Olivetti) society.

Lead and Manage

2010-2016 Head of the AOC team (10 Associate Professors and 5 Full Professors). The team is borned in 2010 and it is increased from 10 to 15 members in 3 years. In 2013 the team received a peer review called *AERES* and it got **4A+** and **2A** as marks : the best team of the laboratory

2013-now Lead of the Axe 1 **Optimization and data mining applied to unstructured data** of the *Pôle MathStic* of Paris13 and therefore member of the direction committee. The *Pôle mathstic* is a CNRS federation of three laboratories : Mathematic (LAGA), Computer science (LIPN) and Telecom (L2TI)

2015 President of the committee for Award Doctoral Dissertion of PGMO one edition

2012-now Lead of the Cooperation agreement between the **CIRRELT** of Montreal (the biggest center in the world) and **AOC** for developing joint research in the domain of Transport, Logisticss and Health.

2009-now Founder and Lead of the Francilien Research Group on Environnement Logistics and Transport (GREFELOT). Grefelot joints together researchers of Operations Research in *Ile de France* which have a common interest for the research in the topic of transport and logistics with a focus on Sustainability aspects.

2010-now Member of the Experts committee of Paris 13

2010-2016 Member of the laboratory board

2012-now Member of the scientific committee of the Programme Gaspard Monge pour l'Optimisation (PGMO). The Mathematic Foundation Jacques Hadamard and *EDF* founded the *Programme Gaspard Monge pour l'Optimisation*. The idea is of support and founding the reseach in optimisation. The scientific committee is one of the three committees that manage the programme

More than 15 collaborations all over the world : Invited Professor and Shorter visits (as, for example, : Canada, Italy, Spain)

President or Member of several recruitement committees (Associate professor of Fulll professor)

Grants and sponsorships

Accademic Projects

2015-2017 Member of the Project PHC CAI YUANPEI 2015 Title "Sustainable food supply chain : empirical analysis, design and evaluating"

2012-2013 Winner of the project " Google Focused Research Awards " in the context of " Google Focused Grant Program on Mathematical Optimisation and Combinatorial Optimisation in Europe " *(50k euro)*

2011-2014 Lead of the project ANR Villes Durables entitled "Mutualisation et Optimisation de la Distribution Urbaine de Marchandises (MODUM)" (541k euro total and 170 for Paris13)

2009-2012 co-Lead of the Project entitled "Outils d'aide à la décision pour les transports en libre-service" (OADLIB) (150k euro)

2009-2010 Lead of the project Internationals Relationships (PRI) of Paris 13 University entitled " Méthodes et modèles pour la résolution exacte de nouveaux problèmes complexes émergeant dans le domaine de la logistique et du transport de marchandises ", Academic Parteners : Universitá di Bologna (Italy). (3k euro)

2010-2011 Lead of the project Internationals Relationships (PRI) of Paris 13 University entitled " Modèles et algorithmes pour résoudre les problèmes de conception de réseaux de distribution à deux niveaux ", Academic Parteners : Universitá di Bologna (Italy). (1.5k euro)

2000-2006 Member of the Project of pôle TOA. Title : "Etude de la chaîne logistique". This project has been realized in the context of the federation TOA (CPER 2000 - 2006) : Pôle de recherche et de Transfert de technologies - Technologies Transactionnelles et d'Accompagnement.

2005-2006 Member of the Project entitled "Programme d'Action Intégrée (PAI) : Pessoa". This programme had the purpose of identifyng sectors for optimising the waste management.

2005-2007 Member of the Italian Project PRIN - MIUR. Title : "Sistemi di infomobilità e distribuzione merci in Aree metropolitane". (30k euro).

2003-2005 Member of the Italian Project PRIN - MIUR. Title : "Infomobilità e progetto integrato di sistemi di trasporto urbano". (50k euro).

2003-2004 Leader of the Project founding by UTT. Entitled : "Intégration d'approches de type programmation mathématique et méta-heuristique pour un problème de localisation de plates-formes logistiques", (1.5k euro)

Industrial Projects

2016-2019 Project leader and manager of the contract with *EP-tender* for solving a problem of network design for a new shared mobility system (145k euro)

2016-2019 Project leader and manager of the contract with *Horizontal Software* for solving a problem of workforce scheduling (135k euro)

2013-2014 Project leader and manager of the contract with *Gas de France (GDF)* for solving the optimisation non-linear network configuration problems arising in the gas distribution (15k euro)

2013-2014 Project leader and manager of the contract with *AirLiquide* for solving an Inventory Routing Problem (65k euro)

2012-2016 Project Leader and manager of the contract with EDF (IROE) of the Gasparre Monge Foundation for Optimising Nuclear Power Plants refueling outage (150k euro)

2010-2013 Project co-Leader and manager of the contract with MediaMobile (100k euro)

2010-2011 Project leader and manager of the team S23 for the Challenge Roadef 2010 (4émé sur 44 Partecipants)

2007 Project leader and manager of the contract with la Valle di Susa for studying the feasibility of a Dial-a-Ride System (4k euro)

Collaboration with DANZAS Swiss for improving their distribution network (Location and size of depots).

Collaboration work with VOLENDO for optimising their Logistics and distribution chain (50k euro).

Collaboration work with IVRI for optimising the routing of the overnight security service.

Organization and administration activities

2016-2019 President of the organisation committe of EURO2019 (attended more than 3700 participants)

2016 Organizer of the International workshop on routing ROUTE2016 (only by invitations)

2014 Co-organizer with Guy Desaulniers du GERAD of the winter school for PhD students in columns generation method. The school has an international level with more than 95 partecipants. The school takes place every four years.

2014 Member of scientific committee and of the programme of the Conference of the Italian Operations Research Association (AIRO)

2012-now Member of the scientific committee of the International Conference on Operations Research and Enterprise System (ICORES)

2012-now Member of the scientific committee of the National Conference of the French Operations Research Society (i.e., Roadef)

2014 Member of the programme committee of the WCO2014 that is part of FedCIC2014

2012 Member of the programme committee of the 12th Workshop on Algorithmic Approaches for Transportation Modelling, Optimization, and Systems (ATMOS 2012)

2011 Member of the programme committee of the Euro Working Group en Location Analysis (EWGLA XIX 2011)

2010 Co-organizer of the GT2L meeting of the French Working Group in Transport et Logistics (GT2L)

2008 Member of the programme committee and organizer committee of the Workshop on Metaheuristics for Logistics and Vehicle Routing (EU/MEeting 2008)

2006 Member of the programme committee of the International conference IEEE IC SSSM'06, Troyes

Editorial activity and tutorial

2016 Guest editor of a special issue of *Network* associated to Route2016

2016 President of the scientific prize for the Challenge Roadef and guest editor of the special issue of *Transportation Science*

2014 Semiplenary on the *City Logistic* for the national french conference Roadef, Marseille.

2012 Tutorial on *Exact algorithms for solving vehicle routing problems*, Journées Franciliennes de Recherche Opérationnelle, Paris.

2009 Guest editor with Christian Prins, Caroline Prodhon and Nacima Labadie of the special issue of *Computer and Operations Research*

2004 Laval University Québec, *Colloque Répartition* on the topic of transportation ;

Reviewer for more than the top 25 internationals journals in Operations Research (such as Omega, CAIE, Transportation Science, European Journal of Operational Research, Computers and Operations Research, Journal of Heuristics) and in the editorial board of a book

Supervision and tutoring

Caroline Prodhon (PhD)
Jan Melechovskỳ (PhD and PostDoc)
Marianna Pellizzari (PhD)
Sandra ulrich Ngueveu (PhD)
Valerie Belanger (PhD)
Daniel Chemla (PhD)
Hanane Aouloua (PhD)
Paolo Gianessi (PhD)
Marco Casazza (PhD)
Michele Barbato (PhD)
Marcos De Melo Da Silva (PhD)
Stefania Pan (PhD)
Fabio Furini (PostDoc)
Clement Pira (PostDoc)
Emiliano Traversi (PostDoc)
Michele Caraffa (PostDoc)
– More than 20 Masters projets
– President or Member of many PhD Defence committee (30) (Canada, France, Italy and Chine) and HDR

Pedagogic Lead

2011-2012 Lead of the new degree "Network and Computer Science". I built from scratch the first year of this new degree

2008-2010 Lead of the firth year of the Licence in Computer Science L3 at Institut Galilée of Paris 13.

1999-2007 Responsible for some courses at Troyes Technology University and at Politecnico di Milano.

List of Publications

NB All the papers presented to a conference without proceedings (paper of two/four pages) are omitted. Totally the papers presented to these kind of conferences are more than 90, which means that I attended more than 60 Conferences. Herewith a short list of the more recent

2010 : EURO (5), TRISTAN, ROADEF, AIRO, Journées de l'Optimisation, EGWLA, EUME, ORHAS

2011 : ROADEF, AIRO, INFORMS, ROUTE2011

2012 : ODYSSEUS (5 papers), ISMP, ROADEF

2013 : TRISTAN (4 papers), INOC (3 papers), ROADEF, OR (allemagne)

2014 : ROADEF (5 papers), Workshop : *Recent advances in linear optimisation*, IFORS, ROUTE2014

2015 : ROADEF (2 papers), ODYSSEUS (2 papers)

2016 : ROADEF (3 papers), Workshop Route2016 (invited), Workshop Column Generation (invited)

INTERNATIONAL JOURNALS

1. F. A. Schreiber, **R. Wolfler Calvo**, "Use of Neural Networks to estimate the number of nodes of an Edge-Quadtree with a fractal input", Graphical Model and Image Processing, pp. 61 - 72, Mars 1997. *A preliminar version has been presented for a conference with proceedings*

2. **R. Wolfler Calvo**,"A new heuristic for the Traveling Salesman Problem with Time Windows", Transportation Science, vol 34, pp 113 - 124, Février 2000.

3. R. Cordone, **R. Wolfler Calvo**, "A heuristic for the Vehicle Routing Problem with Time Windows", Journal of Heuristics, vol. 7, pp 107-129, Mars 2001.

4. C. Brand, M. Mattarelli, D. Moon, **R. Wolfler Calvo**, "STEEDS : a Strategic Transport/Energy/Environment Decision Support", European Journal of Operational Research, vol 139 n° 2, pp 416-435, Mars 2002.

5. R. Cordone, F. Ferrandi, D. Sciuto, **R. Wolfler Calvo**, "An Efficient Heuristic Approach to Solve the Unate Covering Problem", IEEE Transactions on Computer-Aided Design of Integrated circuits and systems, vol. 20, n° 12, pp 1377-1388, Décembre 2001. *A preliminar version has been presented for a conference with proceedings*

6. **R. Wolfler Calvo**, R. Cordone "A heuristic approach to the overnight security service problem", vol.30 , pp 1269-1287, Computers and Operation Research, 2003

7. **R. Wolfler Calvo**, F. de Luigi, P. Haastrup, V. Maniezzo, "A distributed geographic information system for the Daily Car Pooling Problem", vol.31 , pp 2263-2278, Computers and Operation Research, 2004

8. J. Melechovsky, C.Prins, **R. Wolfler Calvo**, "A Heuristic Algorithm to solve Location-Routing Problem with Non-Linear Cost Functions" , vol 11, pp 375-391, Journal of Heuristics, 2005.

9. C. Prins, C.Prodhon, **R. Wolfler Calvo**, "Two-phase Method and Lagrangian Relaxation to Solve the Bi-Objective Set Covering Problem", vol. 147, n. 1, pp 23-41, Annals of Operations Research, 2006

10. C. Prins, C.Prodhon, **R. Wolfler Calvo**, "Solving the Capacitated location-Routing Problem by a GRASP complemented by a Learning Process and a Path Relinking", vol. 4, n. 3, pp. 221-238, 4OR, 2006. *A preliminar version has been presented for a conference with proceedings*

11. **R. Wolfler Calvo**, A. Colorni, "An effective and fast heuristic for the Dial-a-Ride Problem", vol. 5, n. 1, pp. 1-13, 4OR, 2007.

12. C. Prins, C. Prodhon, P. Soriano, A.. Ruiz, **R. Wolfler Calvo**, "Solving the Capacitated Location Routing Problem by a Cooperative Lagrangean Relaxation - Granular Tabu Search Heuristic", Transportation Science, vol. 41, pp. 470-483, 2007.

13. A. El Fallahi, C. Prins, **R. Wolfler Calvo**, "Tabu Search and Memetic Algorithm for the Multi-Compartement Vehicle Routing Problem", Computers and Operation Research, vol. 35, n. 5, pp 1725-1741, 2008. *A preliminar version has been presented for a conference with proceedings*

14. S. U. Ngueveu, Christian PRINS, **R. Wolfler Calvo**, "Upper and lower bounds for the cumulative capacitated vehicle routing problem", Computers and Operations Reseach 37(11) : 1877-1885, 2010.

15. F. Della Croce, V. Th. Paschos, **R. Wolfler Calvo**, "Approximating the metric 2-Peripatetic Salesman Problem", Algorithmic Operations Research 5(1) : 13-20, 2010

16. S. U. Ngueveu, C. Prins, **R. Wolfler Calvo**, "Lower and upper bounds for the m-Peripatetic Vehicle Routing Problem", 4OR 8(4) : 387-406, 2010

17. J.-M. Berlenguer, E. Benavent, C. Prodhon, C. Prins, **R. Wolfler Calvo**, "A branch and cut method for the Capacitated Location Routing Problem", Computers and OR 38(6) : 931-941, 2011.

18. R. Baldacci, A. Mingozzi, **R. Wolfler Calvo**, "An exact method for the Capacitated Location Routing Problem", Operations research , 59(5), 1284-1296, 2011.

19. N. Labadi, Jan Melechovskỳ **R. Wolfler Calvo**, "Hybridized Evolutionary Local Search Algorithm for Orienteering and Team Orienteering Problems with Time Windows", Journal of Heuristics 17(6) : 729-753, 2011.

20. N. Labadi, R. Mansini, Jan Melechovskỳ **R. Wolfler Calvo**, "The Team Orienteering Problem with Time Windows : An LP-based Granular Variable Neighborhood Search", European Journal of Operational Research, 220(1) : 15-27, 2012

21. S. U. Ngueveu, C. Prins, **R. Wolfler Calvo**, "New Lower Bounds and an Exact Method for the m-Peripatetic Vehicle Routing Problem", Transportation Science, 47(1) : 38-52, 2013

22. A. Rozenknop, R. Wolfler Calvo, L. Alfandari, D. Chemla, L. Létocart, "Solving eletricity production planning by column generation", Journal of Scheduling, 16(6) : 585-684, 2013

23. D. Chemla, F. Meunier, **R. Wolfler Calvo**, "Bike hiring system : solving the rebalancing problem in the static case", Discrete Optimization, Discrete Optimization, 10(2) : 120-146, 2013. *The most cited article of the journal*

24. R. Baldacci, A. Mingozzi, Roberto Roberti **R. Wolfler Calvo**, "An exact method for the Two-Echelon Vehicle Routing Problem", Operations Research, 61(2) : 298-314, 2013.

25. L. Mussone, **R. Wolfler Calvo**, "An analytical model for calculating the capacity of a railway system", European Journal of Operational Research, 238(2) : 451-457, 2014

26. D. Kirchler, **R. Wolfler Calvo**, "A Granular Tabu Search Algorithm for the Dial-a-Ride Problem", Transportation Research part. B - Methodological, 56 : 120-135, 2013.

27. G. Erdogan, G Laporte, **R. Wolfler Calvo**, "The static bicycle relocation problem with demand intervals", European Journal of Operational Research, 238(2) : 451-457, 2014.

28. D. Kirchler, L. Liberti, **R. Wolfler Calvo**, "Efficient Computation of Shortest Paths in Time-Dipendent Multi-Modal Networks", ACM Journal of Experimental Algorithmics, 19(1).

29. P. Gianessi, L. Alfandari, L. Letocart, **R. Wolfler Calvo**, "The Multycommodity-Ring Location Routing Problem", Transportation Science (to appear).

30. G. Erdogan, M. Battarra, **R. Wolfler Calvo**, "An Exact Algorithm for the Static Rebalancing Problem arising in Bicycle Sharing Systems", European Journal of Operational Research, 245(3) : 667-679. .

31. M. Barbato, R. Grappe, M. Lacroix, **R. Wolfler Calvo** "Polyhedral results and a Branch-and-Cut for the Uncapacitated Double Travelling Salesman Problem", Discrete Optimization (to appear)

32. F. Butelle, L. Alfandari, C. Coti, L. Finta, L. Letocart, G. Plateau, F. Roupin, A. Rozenknop, **R. Wolfler Calvo**, "Fast machine reassignment", Annals of OR (to appear)

33. G. Laporte, F. Meunier, R. Wolfler Calvo, "Shared Mobility Systems", 4OR, 13(4) : 341-360

Internatinal Conference with Proceedings published in :

LNCS, ENDM, Annals of Information Systems (AIS), OpenAccess Series in Informatics (OASIS) or ACM Proceeding

34. F. A. Schreiber, **R. Wolfler Calvo**, "Fractals and neural networks in evaluating an edge-quadtree space complexity", Proceedings SPIE-Photonic East : Digital Image Storage and Archiving Systems, Philadelphia, 1995, vol.2606, pp 13-25, ISBN 0-8194-1970-2.

35. R. Cordone, F.Ferrandi, D. Sciuto, **R. Wolfler Calvo**, "An Efficient Heuristic Approach to Solve the Unate Covering Problem", Proceedings ACM/IEEE DATE 2000 - Design, Automation and Test in Europe, Paris, France, Mars 27 - 30, pp 364-371, ISBN 0-7695-0537-6, 2000.

36. C. Prins, C.Prodhon, **R. Wolfler Calvo**, "A Memetic Algorithm with Population Management (MA—PM) for the Capacitated Location-Routing Problem", Lecture Notes in Computer Science, EvoCOP2006, 10-12 April 2006, Budapest, Hongrie.

37. S. Toulouse, and **R. Wolfler Calvo**. "On the complexity of the multiple stack TSP". Lecture Notes on Computer Science, volume 5532, pp. 360–369, Springer. *Proceedings of Theory and Applications of Models of Computation 6th (TAMC 2009)*, Changsha, Chine, 2009.

38. S. U. Ngueveu, Christian Prins, and **R. Wolfler Calvo**. "An Effective Evolutionary Algorithm for the Cumulative Capacitated Vehicle Routing Problem.". *EvoWorkshops 2009 on Applications of Evolutionary Computing (EvoWorkshops '09)*, volume 5484, *Lecture Notes in Computer Science (LNCS)*, pp. 778–787, Tübingen, Allemagne, 2009. Springer.

39. S. U. Ngueveu, Christian Prins, and **R. Wolfler Calvo**. "A Hybrid Tabu Search for the m-Peripatetic Vehicle Routing Problem". *3th international workshop on model-based metaheuristics (Matheuristics)*, volume 10, *Annals of Information Systems (AIS)*, pp. 253–266. Springer, 2010.

40. N. Labadi, J. Melechovský, **R. Wofler Calvo**. "An Effective Hybrid Evolutionary Local Search for Orienteering and Team Orienteering Problems with Time Windows", *11th International Conference on Parallel Problem Solving From Nature (PPSN 2010)*, volume 6239 *Lecture Notes in Computer Science (LNCS)*, pp. 219–228, Cracovie, Pologne, 2010. Springer.

41. **R. Wofler Calvo**, N. Touati Moungla. "A Matheuristic for the Dial-a-Ride Problem", *5th International Network Optimization Conference (INOC 2011)*, volume 6701 *Lecture Notes in Computer Science (LNCS)*, pp. 450–463, Hambourg, Allemagne, 2011. Springer.

42. D. Kirchler, L. Liberti, T. Pajor, **R. Wofler Calvo**. "UniALT for regular language constrained shortest paths on a multi-modal transportation network", *11th Workshop on Algorithmic Approaches for Transportation Modelling, Optimization and Systems, (ATMOS)*, volume 20, *OpenAccess Series in Informatics (OASICS)*, pp. 64–75, Saarbrücken, Allemagne, 2011. Schloss Dagstuhl - Leibniz-Zentrum für Informatik.

43. D. Kirchler, L. Liberti, **R. Wolfler Calvo**. "A Label Correcting Algorithm for the Shortest Path Problem on a Multi-modal Route Network'", *11th International Symposium on Experimental Algorithms (SEA 2012)*, volume 7276, *Lecture Notes in Computer Science (LNCS)*, pp. 236–247, Bordeaux, France, 2012. Springer.

44. H. Allaoua, S. Borne, L. Létocart, **R. Wolfler Calvo**. "A matheuristic approach for solving a home health care problem", *International Network Optimization Conference (INOC 2013)*, volume 41, *Electronic Notes in Discrete Mathematics*, pp. 471–478, Tenerife, Espagne, 2013. Elsevier.

45. M.-J. Huguet, D. Kirchler, P. Parent, **R. Wolfler Calvo**. "Efficient algorithms for the 2-Way Multi Modal Shortest Path Problem", *International Network Optimization Conference (INOC 2013)*, volume 41, *Electronic Notes in Discrete Mathematics*, pp. 431–437, Tenerife, Espagne, 2013. Elsevier.

46. Paolo Gianessi, Laurent Alfandari, Lucas Létocart, **R. Wolfler Calvo**. "A Column Generation Based Heuristic for the Multicommodity-ring Vehicle Routing Problem" *Tenth International Conference on City Logistics*, volume 12, *Transportation Research Procedia*, pp. 227–238, Tenerife, Espagne, 2016. Elsevier.

47. Michele Barbato, Roland Grappe, Mathieu Lacroix, **R. Wolfler Calvo**. "A Set Cover Approach for the Double Traveling Salesman Problem with Multiple Stacks", *4th International Symposium on Combinatorial Optimization (ISCO 2016)*, to appear *Lecture Notes in Computer Science (LNCS)*, Italy, 2016. Springer.

International Conference with Proceedings and Reviewer Process

48. S. U. Ngueveu, C. Prins, **R. Wolfler Calvo**, "Bornes supérieures et inférieures pour le problème de tournees de véhicules m-peripatetique", MOSIM'08, Paris, 31 Mars - 2 Avril 2008.

49. C. Prins, C.Prodhon, **R. Wolfler Calvo**, "A reactive GRASP and Path Relinking algorithm for the Capacitated location Routing Problem", e-Proceedings IESM'05, Marakesch, ISBN 2-9600-5320-6, Mai 2005

50. C. Prins, C.Prodhon, **R. Wolfler Calvo**, "Nouveau algorithmes pour le problème de localisation et routage sous containtes de capacité", In A. Dolgui and S. Dauzère-Pérès editors, Proceedings MOSIM'04, vol. 2 pp. 1115-1122, Ecole des Mines de Nantes, ISBN 2-7430-0731-1, Septembre, 2004

51. M. Gendreau, P. Soriano, **R. Wolfler Calvo**, "A branch and price algorithm for the Bounded Cycle Cover Problem", Proceedings INOC 2005, vol. 3, pp. 803-810, ISSN 1762-5734, Lisbon, 21-23 Mars 2005.

52. C. Prins, **R. Wolfler Calvo**, "A Fast GRASP with Path Relinking for the Capacitated Arc Routing Problem", Proceedings INOC 2005, vol. 2, pp. 289-295, ISSN 1762-5734, Lisbon, 21-23 Mars 2005.

53. M. A. Ould-Louly, C. Quintero Araujo, **R. Wolfler Calvo**, "Développement de méthodes heuristiques pour le 2-voyageur de commerce péripatétique", MOSIM'06, April 2006.

54. A. El Fallahi C. Prins, **R. Wolfler Calvo**, "Un algorithme mémétique pour le problème de tournées de Véhicules Multi-Compartiments", MOSIM'06, April 2006

55. A. Mingozzi, C. Prins, **R. Wolfler Calvo**, "Capacitated Depot Location for the Vehicle Routing Problem", IEEE IC SSSM'06, 25-27 Octobre 2006, Troyes.

56. J-M. Belenguer, E. Benavent, C. Prins, C. Prodhon, **R. Wolfler Calvo**, "A Cutting Plane Method for the Capacitated Location Routing Problem", IEEE IC SSSM'06, 25-27 Octobre 2006, Troyes.

<div align="center">International Book with reviewer process</div>

57. **R. Wolfler Calvo**, M. Paruccini, "Applying MCDA to water management : The Basento case study", in A-MCD-A Aide Multi Critère à la Décision Multiple Criteria Decision Aiding, editors : B. Roy, A. Colorni, M. Paruccini, pp 355 - 372, JRC - Joint research Center, European Commission, 2001.

58. **R. Wolfler Calvo**, F. de Luigi, P. Haastrup, V. Maniezzo "Distributed Data Management and Optimization of Daily Car Pooling Problems", dans : Encyclopedia of Data Warehousing and Mining, Editor : Jhon Wang, ISBN 1-59140-557-2, Aprile 2005, Idea Group Reference.

<div align="center">National Book</div>

59. A. Colorni, R. Cordone, E. Laniado, R. Wolfler Calvo, "L'innovazione nei trasporti : pianificazione e gestione", in Scienze delle decisioni per i trasporti, editors : S. Pallottino e A. Sciomachen, FrancoAngeli, pp 656 - 687, 1999.

<div align="center">Conference with reviewer process, but without Proceedings (or workshop)</div>

59. A. Cavallet, F. Malucelli, R. Wolfler Calvo, "A non linear multicommodity network design approach to solve a location-allocation problem in freight transportation", ODYSSEUS 2000 Workshop in freight transportation and logistics, Chania, Mai 2000

60. F. Malucelli, A. Ruiz, P. Soriano and R. Wolfler Calvo, "Solving a multicommodity location-allocation problem with non linear costs", ODYSSEUS 2003 Workshop in freight transportation and logistics, Palermo, 2003

61. R. Wolfler Calvo, A. Colorni, R. Cordone, A. Soldano, F. Valandro, "Solving the on-line Dial-a-Ride Problem", TRISTAN V, Guadeloupe, June 2004.

62. F. Della Croce, V. Th. Paschos, R. Wolfler Calvo, "Approximating the 2-Peripatetic Traveling Salesman Problem", MAPSP05, Siena, Mai 2005.

63. J-M. Belenguer, E. Benavent, C. Prins, C. Prodhon, R. Wolfler Calvo, "A Cutting Plane Method for the Capacitated Location Routing Problem", ODYSSEUS 2006 Workshop in freight transportation and logistics.

64. R. Mansini, M. Pelizzari, R. Wolfler Calvo, "The Tour Orienteering Problem with Time Windows", ODYSSEUS 2006 Workshop in freight transportation and logistics.

17 avril 2016