



Departament d'Economia i Empresa  
Universitat Pompeu Fabra  
R. Trias Fargas 25-27, 08005 Barcelona, Spain  
e-mail: [helena.ramalhinho@upf.edu](mailto:helena.ramalhinho@upf.edu)  
voice: +34 935 422 753, fax: +34 935 421 746  
homepage: <http://www.econ.upf.edu/~ramalhin/>

## EDUCATION

- 08/1993 - Ph.D. in Operations Research, Cornell University, USA.  
Thesis Advisor: David Shmoys.
- 01/1993 - Master of Science in Operations Research, Cornell University, USA.
- 09/1991 - Master of Science in Statistics and Operations Research, University of Lisbon, Portugal.
- 07/1987 - *Licenciatura* in Statistics and Operations Research, University of Lisbon, Portugal.

## Scientific and Teaching Merits

- 08/2014 - *Acreditació de Recerca Avanzada* (Accreditation in Advanced Research/Full Professor)  
Catalan University Quality Assurance Agency, AQU Catalunya, Generalitat de Catalunya.
- 05/2013 *Mèrits de Recerca* (Third Merit in Research) (01/01/2007 to 31/12/2012). Catalan University  
Quality Assurance Agency, AQU Catalunya, Generalitat de Catalunya.
- 10/2012 - *Acreditación de Profesores Titulares*  
Consejo de Universidades, Ministerio de Educación, Cultura y Deporte, Gobierno de España.
- 12/2006 - *Mèrits de Recerca* (Two Merits in Research) (01/01/1995 to 31/12/2000) and (01/01/2001  
to 31/12/2006). Catalan University Quality Assurance Agency, AQU Catalunya, Generalitat de  
Catalunya.

## Work Experience

Associate Professor with tenure (Professora Agregada), Department of Economics and Business,  
Universitat Pompeu Fabra, Spain

## RESEARCH

### RESEARCH INTERESTS

Operations Research, Scheduling, Combinatorial Optimization, Metaheuristics, Iterated Local Search,  
Heuristic Search Optimization, Iterated Local Search, Vehicle Routing, Job-Shop Scheduling, Supply Chain  
Management, Logistics, Production and Operations Management.

## PUBLICATIONS

### Refereed Publications indexed in ISI Web of Science and Scopus

1. **Ramalhinho H.** (2015), A Polynomial Algorithm for a Special Case of the One-Machine Scheduling Problem with Time-Lags, *Engineering Optimization 2014*, E.C. Rodrigues, J. Herskovits, C.M. Mota Soares, J.M. Guedes, A.L. Araújo, J.O. Folgado, F. Moleiro & J.F.A. Madeira (eds). Taylor & Francis Group (London). Chapter 67: 397–401. DOI: 10.1201/b17488-70. (Indexed at Scopus). [Link](#)
2. Grasas A., Juan, A.A. and **Lourenço H.R.** (2014), SimILS: A Simulation-based extension of the Iterated Local Search metaheuristic for Stochastic Combinatorial Optimization, *Journal of Simulation* (accepted for publication August 7, 2014). **Web of Science** 2013 JCR 0.38 Q4; Scopus).

3. Martins P., Ladrón A. and **Lourenço H.R.** (2014), Maximum Cut-Clique Problem: ILS Heuristics and a Data Analysis Application, International Transactions in Operational Research (accepted for publication July 25, 2014; published online September 5, 2014). **Web of Science** 2012 JCR 0.588 Q4; Scopus). [Link](#)
4. Grasas A., **Ramalhinho H.**, Pessoa L.S., Resende M.G.C., Caballé I. and Barba N. (2014), “On the Improvement of Blood Sample Collection at Clinical Laboratories”, BMC Health Services Research 14:12. DOI:10.1186/1472-6963-14-12 (**WoS** 2012 JCR IF = 1.77, Q2). ISSN: 1472-6963. [Link](#)
5. Juan, A.; **Lourenço, H.R.**; Mateo, M.; Luo, R.; Castella, Q. (2014) “Using Iterated Local Search for solving the Flow-Shop Problem: parametrization, randomization and parallelization issues”. International Transactions in Operational Research 21(1): 103-126. DOI: 10.1111/itor.12028 (**WoS** 2011 JCR IF = 0.648, Q3; Scopus). ISSN: 0969-6016. [Link](#)
6. Grasas, A., Juan, A.A., **Ramalhinho, H.** (2013), Operations Research and Simulation in Master’s Degrees: A Case Study Regarding Different Universities in Spain, Proceedings of the 2013 Winter Simulation Conference - Simulation: Making Decisions in a Complex World, WSC 2013 pp. 3609 - 3619 doi: 10.1109/WSC.2013.6721722 ([indexed](#) in **ISI Web of Science** and Scopus, 2011 SJR = 0.372, Q2). ISSN: 08917736. [Link](#)
7. Juan, A. A., Faulin, J., Ferrer, A., **Lourenço, H.R.**, and Barros, B. (2013), MIRHA: Multi-start biased randomization of heuristics with adaptive local search for solving non-smooth routing problem. TOP 21(1): 109-132 (accepted 27 Nov 2011). DOI: 10.1007/s11750-011-0245-1. (**WoS** JCR IF: 0.764, Q3 42/77; Scopus) ISSN: 1134-5764 (print version) ISSN: 1863-8279 (electronic version). [Link](#)
8. **Lourenço, H.R.**, Paixão, J.P. and Portugal, R. (2009), Driver Scheduling Problem Modelling. Public Transport: Planning and Operations. 1(2):103-120. DOI: 10.1007/s12469-008-0007-0. [Indexed at:](#) Scopus (2011: SJR = 1.208), Google Scholar, Academic OneFile, EI-Compendex, OCLC, SCImago, Summon by Serial Solutions. ISSN: 1613-7159. [Link](#)
9. Giménez, C. and **Lourenço, H.R.** (2008), e-SCM: Internet’s impact on Supply Chain Processes. International Journal of Logistics Management 19(3): 309-343. doi:10.1108/09574090810919189 (**WoS** JCR IF: 0.841, Q3 111/166) ISSN 0957-4093. [Link](#)
10. Fernandes, S. and **Lourenço, H.R.** (2008). Optimised Search Heuristic Combining Valid Inequalities and Tabu Search. In *Hybrid Metaheuristics*, M.J. Blesa, C. Blum, C. Cotta, A.J. Fernández, J.E. Gallardo, A. Roli, M.Sampels (Eds.), Lecture Notes in Computer Science 5296: 87-101. doi: 10.1007/978-3-540-88439-2-7 (JCR 2005 IF: 0.402, Q4 62/71) [Indexed at:](#) ISI Web of Science and Scopus (2011: SJR = 0.331), ISI Conference Proceedings Citation Index - Science (CPCI-S), included in ISI Web of Science, MathSciNet, Zentralblatt MATH , EI Engineering Index (Compendex and Inspec databases), ACM Digital Library, dblp, Google Scholar, IO-Port. ISSN: 0302-9743. (WOS:000262163400013) [Link](#)
11. Fernandes, S. and **Lourenço, H.R.** (2008), A Simple Optimized Search Heuristics for the Job-Shop Scheduling. In *Recent Advances in Evolutionary Computation for Combinatorial Optimization*, Studies in Computational Intelligence, C. Cotta and J. van Hemert (Eds.) Springer, 153:203-218. doi: 10.1007/978-3-540-70807-0\_13 [Indexed at:](#) Scopus (2011: SJR = 0.192), DBLP, Ulrichs, MathSciNet, Current Mathematical Publications, Mathematical Reviews, Zentralblatt Math: MetaPress and Springerlink. ISBN 978-3-540-70806-3. (WOS:000262163400013) [Link](#)
12. Fernandes, S. and **Lourenço, H.R.** (2007). A GRASP and branch-and-bound metaheuristic for the job-shop scheduling. *Evolutionary Computation in Combinatorial Optimization*, C. Cotta and J. Van Hemert (Eds.), Lecture Notes in Computer Science 4446: 60-71. (JCR 2005 IF: 0.402, Q4 62/71) [Indexed at:](#) ISI Web of Science and Scopus (2011: SJR = 0.331), ISI Conference Proceedings Citation Index - Science (CPCI-S), included in ISI Web of Science, MathSciNet, Zentralblatt MATH , EI Engineering Index (Compendex and Inspec databases), ACM Digital Library, dblp, Google Scholar, IO-Port. ISSN: 0302-9743. (WOS:000246101600006) [Link](#)
13. Pérez-Vázquez, M.E., Gento-Municio, A.G. and **Lourenço, H.R.** (2007), Solving a Concrete Sleepers Production Scheduling by Genetic Algorithms. European Journal of Operational Research 179(3): 605-620. doi: 10.1016/j.ejor.2005.03.070 (**WoS** JCR IF: 1.815, Q1 6/77; Scopus) ISSN 0377-2217. [Link](#)
14. **Lourenço, H.R.** (2005), Logistics Management: an opportunity for Metaheuristics. In *Metaheuristics Optimization via Memory and Evolution*, C. Rego and B. Alidaee (eds.), Kluwer Academic Publishers, pp. 329-356. (Indexed at: Scopus SJR: 0.133) ISBN 978-1-4020-8134-7. (**Web of Science** CCC:000229209300015) [Link](#)

15. Colomé, R., Serra, D. and **Lourenço, H.R.** (2003), A new chance-constrained maximum capture location problem. *Annals of Operations Research* 122 (1-4): 121-139. doi: 10.1023/A:1026194423072 (WoS JCR IF: 0.840, Q3 41/77; Scopus) ISBN 0254-5330. [Link](#)
16. **Lourenço, H.R.**, Martin, O. and Stützle, T. (2003), Iterated Local Search. In *Handbook of Metaheuristics*, F. Glover and G. Kochenberger, (eds.), Kluwer Academic Publishers, International Series in Operations Research & Management Science, pp. 321-353. ISBN 978-1-4020-7263-5. (Web of Science CCC:000184441600011) [Link](#)
17. Finger, M., Stützle, T. and **Lourenço, H.R.** (2002), Exploiting fitness distance correlation of set covering problems. In *Applications of Evolutionary Computing*, S. Cagnoni, J. Gottlieb, E. Hart, M. Middendorf, and G.R. Raidl (Eds.) *Lecture Notes in Computer Science*, 2279:61-71. (WoS JCR IF:0.515, Q3 39/69; Scopus) ISSN: 0302-9743. [Link](#)
18. **Lourenço, H.R.**, Paixão, J.P. and Portugal, R. (2001), Multiobjective metaheuristics for the bus-driver scheduling problem. *Transportation Science* 35(3): 331-343. doi: 10.1287/trsc.35.3.331.10147 (WoS JCR IF: 1.507, Q1 16/77; Scopus) ISSN: 0041-1655. [Link](#)
19. **Lourenço, H.R.** (1996), Sevast'yanov algorithm for the flow-shop scheduling problem. *European Journal of Operational Research* 91(1): 176-189. doi: 10.1016/0377-2217(94)00356-4 (WoS JCR IF: 1.815, Q1 6/77; Scopus) ISSN 0377-2217. [Link](#)
20. **Lourenço, H.R.** (1995), Job-Shop Scheduling: computational study of local search and large-step optimization methods. *European Journal of Operational Research* 83(2): 347-364. (WoS JCR IF: 1.815, Q1 6/77; Scopus) ISSN 0377-2217. [Link](#)
21. Bjorndal, M.H., Caprara, A., Cowling, P.I., Della-Croce, F., **Lourenço, H.R.**, Malucelli, F., Orman, A.J., Pisinger, D., Rego, C. and Salazar, J.J. (1995), Some thoughts on combinatorial optimization. *European Journal of Operational Research* 83(2): 253-270. (WoS JCR IF: 1.815, Q1 6/77; Scopus) ISSN 0377-2217. [Link](#)

#### **Other Refereed Journals**

22. Cáceres-Cruz, J., Grasas, A., **Ramalhinho, H.**, Juan, A.A. and Roca, M. (2013), A savings-based randomized heuristic for the heterogenous fixed fleet vehicle routing problem with multi-trips, *Journal of Applied Operational Research*, (accepted for publication) ISSN print: 1735-8523; ISSN online: 1927-0089.
23. Grasas, A., Cáceres-Cruz, J., **Lourenço, H.R.**, Juan, A.A. and Roca, M. (2013) Vehicle routing in a Spanish distribution company: Saving using a savings-based heuristic, *OR Insight*, 26 (3): 191–202 doi:10.1057/ori.2013.2 [Indexed at ABS](#). ISSN: 0953-5543. [Link](#)
24. **Lourenço, H.R.** and Serra, D. (2002), Adaptive search heuristics for the generalized assignment problem. *Mathware and Soft Computing* 9(2-3): 209-234. ISSN 1134-5632. [Link](#)
25. **Lourenço, H.R.** and Bruno, P.M. (1998), New ramification rules in a branch-and-bound method to solve the job-shop scheduling problem. *Investigação Operacional* (Journal of the Portuguese Operations Research Society) 18: 3-16. ISSN 0874-5161. [Link](#)
26. **Lourenço, H.R.** (1987). The generation of topologies for the support of the MHS Network System. *Revista de Investigação Operacional* (Journal of the Portuguese Operations Research Society) 7: 79-86. ISSN 0874-5161.

#### **Refereed Book Chapters**

27. **Lourenço, H.R.** and Ribeiro, R. (2012), Strategies for an Integrated Distribution Problem, in *Hybrid Algorithms for Service, Computing and Manufacturing Systems: Routing, Scheduling and Availability Solutions*, Montoya-Torres J.R., Juan A.A., Huaccho L., Faulin J. and Rodriguez-Verjan G.(eds) IGI Global Books, Hershey, PA. pp. 98-121. ISBN: 978-1-61350-086-6. [Link](#)
28. **Lourenço, H.R.**, Martin, O. and Stützle, T. (2010), Iterated Local Search: Framework and Applications. In *Handbook of Metaheuristics*, 2<sup>nd</sup>. Edition. Vol.146. M. Gendreau and J.Y. Potvin (eds.), Springer New York, International Series in Operations Research & Management Science, pp. 363-397. ISBN: 978-1-4419-1663-1. [Link](#)
29. **Lourenço, H.R.** (2005), e-logística. In *La logística empresarial en el nuevo milenio* (Business Logistics for the new millennium), Daniel Serra (editor), Gestión 2000, Barcelona. (in Spanish) pp. 88-116. ISBN 84-8088-981-0. [Link](#)

30. Soto, J.P. and **Lourenço, H.R.** (2004), Caso: La logística inversa en el sector editorial. In *Logística Inversa y Medioambiente*, Díaz Fernández, B.A.; Alvarez, M.J. & Gonzalez, P. (authors), McGraw-Hill, 2004. (in Spanish) pp. 311-322. ISBN 84-481-4180-6. [Link](#)
31. Martí, R., **Lourenço, H.R.** and Laguna, M. (2000), Assigning Proctors to Exams with Scatter Search. In *Computing Tools for Modeling, Optimization and Simulation*, M. Laguna and J.L. González Velarde (Eds.), Kluwer Academic Publishers, pp. 215-228. ISBN: 978-0-7923-7718-4. [Link](#)
32. **Lourenço, H.R.**, Paixão, J.P. and Portugal, R. (2000), Geração de Serviços de Motoristas através de Metaheurística- Sistema GIST (The GIST system for public transportation: the bus-driver scheduling module). In *Casos de Aplicação da Investigação Operacional (Industrial Applications of Operations Research)*, L. Valadares Tavares and C. Henggeler Antunes (Eds.), McGraw-Hill, pp. 168-184. (in Portuguese) ISBN 972-773-075-2.
33. **Lourenço, H.R.** and Zwijnenburg, M. (1996), Combining the large-step optimization with tabu-search: application to the job-shop scheduling problem. In *Meta-Heuristics: Theory and Applications*, Osman I.H. and Kelly J.P. (Eds.), Kluwer Academic Publishers, pp. 219-236. ISBN: 978-0-7923-9700-7. [Link](#)

### Refereed Conference Proceedings

34. Coelho, V.N., **Lourenço H.R.**, Grasas A., Coelho, I.M., Jamilson M., Souza F. & Cruz, R.C. (2013) “Um estudo de caso aplicado ao problema real de larga escala de Roteamento de Veículos com Frota Heterogênea e Múltiplas Viagens”, XLV Brazilian Symposium of Operational Research (SBPO), 16-19, september, 2013 Natal, Brasil.)
35. Cruz, R.C., **Lourenço H.R.**, Coelho, V.N., Jamilson M., Souza F. & Grasas A. (2013) “TWTJSSP-ILS: Um Algoritmo Heurístico para Resolver o Problema Job-Shop Scheduling com Penalidade pelo Tempo de Atraso”, XLV Brazilian Symposium of Operational Research ([SBPO](#)), 16-19, september, 2013 Natal, Brasil.
36. Cáceres, J., Grasas, A., **Lourenço, H.R.**, Juan, A.A., Roca, M. and Colomé, R. (2012), Aplicación de un algoritmo randomizado a un problema real de enrutamiento de vehículos heterogéneos. In [Proceeding of the VIII Congreso Español sobre Metaheurísticas, Algoritmos Evolutivos y Bioinspirados, MAEB'2012](#) F. Rodriguez, B. Mélian, J.A. Moreno, J.M. Moreno (Eds.) Albacete, Spain, February 8-10, pp. 767-773. ISBN 978-84-615-6931-1.
37. Juan, A.A., **Lourenço, H.R.**, Mateo, M., Grasas, A. and Agustín, A. (2012), Combinando Randomización Sesgada y Búsqueda Local Iterativa para Resolver Problemas de Flow-Shop. In [Proceeding of the VIII Congreso Español sobre Metaheurísticas, Algoritmos Evolutivos y Bioinspirados, MAEB'2012](#) F. Rodriguez, B. Mélian, J.A. Moreno, J.M. Moreno (Eds.) Albacete, Spain, February 8-10, pp. 779-784. ISBN 978-84-615-6931-1.
38. Juan, A.; Ruiz, R.; **Lourenço, H.R.**, Mateo, M., Ionescu, D. (2010), A Simulation-based Approach for Solving the Flowshop Problem. In [Proceedings of the 2010 Winter Simulation Conference](#). Baltimore, Maryland, USA. December 5-8 (CD).
39. Fernandes, S. and **Lourenço, H.R.** (2007), Hybrids Combining Local Search Heuristics with Exact Algorithms. In [Proceeding of the V Congreso Español sobre Metaheurísticas, Algoritmos Evolutivos y Bioinspirados, MAEB'2007](#), F. Rodriguez, B. Mélian, J.A. Moreno, J.M. Moreno (Eds.) Tenerife, Spain, February 14-16, pp. 269-274. ISBN 978-84-690-3470-5.
40. Fernandes, S. and **Lourenço, H.R.** (2007), A Simple Optimized Search Heuristic for the Job-Shop Scheduling Problem. In [Proceeding of the V Congreso Español sobre Metaheurísticas, Algoritmos Evolutivos y Bioinspirados, MAEB'2007](#) F. Rodriguez, B. Mélian, J.A. Moreno, J.M. Moreno (Eds.) Tenerife, Spain, February 14-16, pp. 763-770. ISBN 978-84-690-3470-5.
41. **Lourenço, H.R.** (2005), Multiobjective metaheuristics for integrated logistics problems. In [Proceeding of the CEDI'2005 \(I Congreso Español de Informática\), IV Congreso Español sobre Metaheurísticas, Algoritmos Evolutivos y Bioinspirados, MAEB'2005](#), G. Arenas, F. Herrera, M. Lozano, J.J. Merelo, G. Romero, A.M. Sánchez (Eds.) Granada, Spain, September 13-16, pp. 263-270. ISBN 84-9732-440-4.
42. Soto, J.P. and **Lourenço, H.R.** (2005), An heuristic for the collaborative production planning model with returns. In [Proceeding of the CEDI'2005 \(I Congreso Español de Informática\), IV Congreso Español sobre Metaheurísticas, Algoritmos Evolutivos y Bioinspirados, MAEB'2005](#), G. Arenas, F. Herrera, M. Lozano, J.J. Merelo, G. Romero, A.M. Sánchez (Eds.) Granada, Spain, September 13-16, pp. 297-304. ISBN 84-9732-440-4.

43. Giménez, C. and **Lourenço, H.R.** (2005), A review on e-SCM topics. In Proceeding of the Decision Sciences Institute International Conference, IESE, Barcelona, Spain, July 3-6, pp. 805-815. ISBN 0-9667118-2-3.
44. Ribeiro, R. and **Lourenço, H.R.** (2005), A new model and heuristic for a multi-period inventory-routing problem. In Proceeding of the Decision Sciences Institute International Conference, IESE, Barcelona, Spain, July 3-6, pp. 403-414. ISBN 0-9667118-2-3.
45. Soto, J.P., Giménez, C. and **Lourenço, H.R.** (2005), Reverse Logistics in the editorial sector: an exploratory study. In Proceeding of the 10<sup>th</sup> International Symposium on Logistics, Lisbon, Portugal, July 3-5, pp. 590-595. ISBN 0-85358-216-5.
46. Giménez, C. and **Lourenço, H.R.** (2004), e-Supply Chain Management: review, implications and directions for future research. In Proceeding of the EUROMA conference, INSEAD, Fontainebleau, 27-29 June, pp. 1021-1031. ISBN 2-9522210-0-6.
47. **Lourenço, H.R.** (2004), Enseñar metaheurísticas en Facultades o Departamentos de Economía y Empresa (Teaching Metaheuristics at Business and Economic Schools). In Proceedings of The Third Spanish Congress in Metaheuristics, Evolutive and Bioinspired Algorithms, MAEB'2004, C. Hervás, N. García, F.J.Martínez, D. Ortiz & S. Ventura (Eds) Córdoba, Spain, February 4-6, pp. 322-328. ISBN 84-688-4224-9.
48. Soto, J.P. and **Lourenço, H.R.** (2003), A recoverable Production Planning Model. In Proceedings of XXVII Congreso SEIO de Estadística e Investigación Operativa. pp. 2731-2766, May. ISBN: 84-8409-955-5.
49. Ribeiro, R. and **Lourenço, H.R.** (2003), Inventory-Routing Problem, for a multi-period problem with stochastic and deterministic demand. In Proceedings of The Second Spanish Congress in Metaheuristics, Evolutive and Bioinspired Algorithms, MAEB'2003, Gijón, Spain, February 5-7, pp. 257-265. ISBN 84-607-65-26-1.
50. **Lourenço, H.R.** and Serra, D. (2002), Heurísticas adaptativas para el problema de asignación generalizada (Adaptive heuristics for the generalized assignment problem). In Proceedings of The First Spanish Congress in Evolutive and Bioinspired Algorithms, Merida, Spain, February 6-7, pp. 267-275. ISBN 84-607-3913-9.
51. Ribeiro, R. and **Lourenço, H.R.** (2001), A multi-objective model for a Multi-period Distribution Management Problem. In Proceeding of the First International Conference on Integrated Logistics, Singapore, pp. 463-471, August. ISBN: 981-04-4562-8.
52. **Lourenço, H.R.**, Martin, O. and Stützle, T. (2001), A beginner's introduction to Iterated Local Search. In Proceeding of the 4th Metaheuristics International Conference, Porto, Portugal, pp. 1-11.

#### MEMBER OF THE RESEARCH CENTERS

2012	to	present	<i>Business Analytics Research Group</i> , Universitat Pompeu Fabra, Spain. <a href="http://www.upf.edu/barg/">http://www.upf.edu/barg/</a>
2010	to	present	HAROSA Knowledge Community (HAROSA KC), Open University of Catalonia, Barcelona, Spain. <a href="http://dpcs.uoc.edu/joomla/index.php/about-harosa-kc">http://dpcs.uoc.edu/joomla/index.php/about-harosa-kc</a>
2002	to	2012	<i>Grup de Recerca en Logística Empresarial</i> (Business Logistics Research Group) Institut d'Estudis Territorials, Universitat Pompeu Fabra, Spain. <a href="http://www.grel.org/">http://www.grel.org/</a>
1997	to	present	<i>Grup de Recerca en Economia i Salut</i> (Center for Research in Health and Economics) Universitat Pompeu Fabra, Spain.

#### CONFERENCES AND SEMINARS

*Presentations in Conferences (the last 3 years)*

2014	<ol style="list-style-type: none"> <li>1. <b>Ramalhinho H.</b> (2014), A Polynomial Algorithm for a Special Case of the One-Machine Scheduling Problem with Time-Lags, <u>The 4<sup>th</sup> of the International Conference on Engineering Optimization</u>, September 8-11, 2014 Lisbon, Portugal. (<a href="#">EngOpt 2014</a>)</li> <li>2. <b>Ramalhinho Lourenço, H.</b>, Juan, A.A., Grasas, “<i>SimLLS: Solving Stochastic Combinatorial Optimization Problems by Combining Iterated Local Search with Simulation</i>” in 20th Conference of the International Federation of Operational Research Societies, July 13-18, 2014, Barcelona,</li> </ol>
------	---

	Spain. ( <a href="#">IFORS 2014</a> ).
2013	<p>3. <b>Lourenço, H.R.</b>, Juan, A.A., Grasas, “<i>SIMILS: Simulation + ILS</i>” in IN3-HAROSA Workshop (<a href="#">Harosa</a>), UOC, Barcelona, Spain, November 21-22, 2013.</p> <p>4. <b>Lourenço, H.R.</b>, Grasas, A., “<i>Teaching VRP in Business Schools</i>” in 2013 26<sup>th</sup> EURO European Conference on Operational Research (<a href="#">EURO</a>), Roma, Italy, July 1-4, 2013.</p>
2012	<p>5. <b>Lourenço, H.R.</b>, Grasas, A., Pessoa, L., Resende, M. “<i>Solving a real application of the Time-Constraint Open Vehicle Routing Problem</i>” in 2012 25<sup>th</sup> EURO European Conference on Operational Research (<a href="#">EURO</a>), Vilnius, Lithuania, July 8-11, 2012.</p> <p>6. <b>Lourenço, H.R.</b>, Grasas, A., Cáceres-Cruz, J., Juan, A.A., Roca, M. “<i>A Randomized Hybrid Algorithm based on Saving and Vehicle Assignment Policies for the Heterogeneous Vehicle Routing Problem</i>” in 2012 VEROLOG (<a href="#">Verolog</a>), Bologna, Italy, June 18-29, 2012.</p> <p>7. <b>Lourenço, H.R.</b>, Juan, A.A., Grasas, A., Cáceres-Cruz, J., Roca, M. “<i>A Randomized Savings Metaheuristic for the Heterogeneous Fleet Multitrip VRP</i>” in IN3-HAROSA Workshop (<a href="#">Harosa</a>), IN3, UOC, Barcelona, Spain, June 13-15, 2012.</p>

**PROGRAM COMMITTEES (last years)**

2015	Member of the Program Committee of <b>International Workshop on Machine learning, Optimization and Big Data</b> ( <a href="#">MOD 2015</a> ), Taormina - Sicily, Italy, from July 21 to 24, 2015.
	Member of the Program Committee of <b>11<sup>th</sup> Metaheuristics International Conference</b> , June 7-11, 2015, Agadir, Marroco. ( <a href="#">MIC 2015</a> )
	Member of the International Program Committee of <b>ICORES 2015</b> (4 <sup>th</sup> . International Conference in Operations Research and Enterprise Systems ( <a href="#">ICORES 2015</a> ), January 10-12, 2015, Lisbon, Portugal.
	Member of the Program Committee of <b>X Spanish Congress in Metaheuristics, Evolutive and Bioinspired Algorithms</b> (MAEB'15), February 4-6, 2015, Mérida, Spain.
	Member of the Program, Proceedings and Registration Committee of <b>International Conference on Risk Analysis ICRA6 / RISK 2015</b> , May 26-29, 2015, Barcelona, Spain.
2014	<b>Co-Chair</b> of the Organization Committee of <b>20th Conference of the International Federation of Operational Research Societies</b> , July 13-18, 2014, Barcelona, Spain. ( <a href="#">IFORS 2014</a> )
	Member of the Scientific Program Committee of <b>ICAOR 2014</b> (6 <sup>th</sup> International Conference on Applied Operational Research ( <a href="#">ICAOR 2014</a> ), July 29-30, 2014, Vancouver, Canada.
	Member of the International Program Committee of <b>ICORES 2014</b> (3 <sup>rd</sup> . International Conference in Operations Research and Enterprise Systems ( <a href="#">ICORES 2014</a> ), March 6-8, 2014, Angers, France.
	Member of the Program Committee of Optimization 2014, July 28-30, 2014, Guimarães, Portugal. ( <a href="#">Optimization 2014</a> )
2013	Member of the Program Committee of <b>4th International Conference on Computational Logistics</b> , September 25-27, 2013, Copenhagen, Denmark ( <a href="#">ICCL 2013</a> )
	Member of the Program Committee of <b>10<sup>th</sup> Metaheuristics International Conference</b> , August 5-8, 2013, Singapore. ( <a href="#">MIC 2013</a> )
	Member of the Program Committee of <b>8<sup>th</sup> International Workshop on Hybrid Metaheuristics</b> , May 23-25, 2013, Ischia Island (Napoli), Italy. ( <a href="#">IWHM</a> )
2012	Member of the Program Committee of <b>VIII Spanish Congress in Metaheuristics, Evolutive and Bioinspired Algorithms</b> , February 8-10, 2012, Albacete, Spain. ( <a href="#">MAEB'12</a> )
2011	Member of the Program Committee of <b>9<sup>th</sup> Metaheuristics International Conference</b> , July 25-28, 2011, Udine, Italy. ( <a href="#">MIC 2011</a> )
	Member of the Program Committee of <b>Optimization 2011</b> , July 24-27, 2011, Costa da Caparica, Lisboa, Portugal. ( <a href="#">Optimization 2011</a> )
	Member of the Technical Program Committee of the ECOM and Genetic Algorithms tracks at <b>Genetic and Evolutionary Computation Conference 2011</b> ( <a href="#">GECCO</a> ), July 12-16, Dublin, Ireland.

**Ph.D.'s Dissertations**

February 2013	Pedro Portugal de Sousa Nunes <i>Modelos Regret aplicado a Problemas de Localização (Regret models applied to Location Problems)</i> University of the Azores, Portugal. (co-adviser Prof. Francisco Silva)
January 2009	Susana Isabel de Matos Fernandes <i>Optimised Search Heuristics: Combining Metaheuristics and Exact Methods to solve Scheduling Problems.</i> University of Algarve, Portugal.
September 2008	José Fernando Alvarez <i>Optimization Algorithms for Maritime Terminal and Fleet Management.</i> Universitat Pompeu Fabra, Spain
March 2006	Deolinda Maria Lopes Dias Rasteiro <i>Optimização em redes com Parâmetros Aleatórios (Network Optimization with Random Parameters).</i> University of Aveiro, Portugal (co-adviser).
February 2006	Rita Portugal <i>Novas abordagens para a Geração de Serviços de Pessoal Tripulante em Empresas de Transporte (A new approach for the Drivers Scheduling Problem in Transportation Companies).</i> University of Lisbon, Portugal. (co-adviser Prof. José Pinto Paixão)
January 2006	Juan Pablo Soto <i>Reverse Logistics: Models and Applications.</i> Universitat Pompeu Fabra, Spain.
March 2004	Rita Ribeiro <i>Integrated distribution management problems: an optimization approach.</i> Universitat Pompeu Fabra, Spain.

**EDITORIAL TEAM and PEER REVIEWER**

- Journal of Metaheuristics: Methods and Applications, Editorial Advisory Board, <http://www.degruyter.com/view/j/meta>
- Journal of Industrial Engineering and Management, Editorial Board (Production, Logistics, Quality, and Operational Research) (<http://www.jiem.org/>).
- Journal of Applied Operational Research (JAOR), Editorial Board (<http://www.tadbir.ca/jaor.htm>).
- INFORMS Journal on Computing, Annals of Operations Research, Management Science, Operations Research, Computational Optimization and Applications, European Journal of Operational Research, Journal of Heuristics, Journal of Scheduling, Journal of Metaheuristics, Omega-The International, etc.

**TEACHING**

- Teaching experience for more than 25 years.
- Teaching the following courses: Quantitative Methods for Business, Operations Research, Operations Management, Logistics and Supply Chain Management.
- Teaching in the following programs
  - Bachelors's Degree, Faculty of Economics and Business Sciences, UPF
  - Master of Management, UPF
  - Master of Retailing, ESCI
  - Master of International Business, MBA part time, IDEC, UPF
- Award to the best Teaching Plan for 2008-2009.
- Four years being in the 10% top rating on overall quality of instructor for the undergraduate degree on Business Administration.

**MERITS IN TEACHING**

1988/2013	<i>Mèrits de Docència</i> (Five Merits in Teaching) (04/01/1988 to 03/01/1993), (04/01/1993 to 11/09/1998), (12/09/1998 to 11/09/2003), (12/09/2003 to 11/09/2008), (12/09/2008 to 11/09/2013). Catalan University Quality Assurance Agency, AQU Catalunya, Generalitat de Catalunya.
2008/2009	Award to the best Teaching Plan for 2008-2009. ( <i>Premi al Millor Pla Docent del curs 2008-2009 de la Facultat de Ciències Econòmiques i Empresariales, pel Pla Docent de l'assignatura Distribució Comercial.</i> )

**SERVICE at Universitat Pompeu Fabra**

20/2011 to 1/2014	Co-Director of the Master in ICT Strategic Management, Barcelona Business School, Univeritat Pompeu Fabra.
10/2002 to 09/2007	Vice-Dean (vice-decana) of Economics and Institutional Relations of the School of Economics and Business (Facultat de Ciències Econòmiques i Empresariales), Universitat Pompeu Fabra, Spain.
03/2002 to 10/2002	Sub-director of the Department of Economy and Business, Universitat Pompeu Fabra, Spain.

**OTHER SERVICE**

2008 to present	Avaluadora ANEP
07/2008 to present	Avaluadora, L'Agència de Gestió d'Ajuts Universitaris i de Recerca (AGAUR), Generalitat de Catalunya.
08/2003 to 10/2003	Peer Reviewer for the Dutch Social Science Research Council, The Nederland.
05/2002 to 07/2002	Member of the Grant Review Committee, Ministry for Education, Italy.
12/2001 to 10/2002	Member of the External Evaluation Committee for the Industrial Engineering and Management Program in Portuguese Universities. Invited by the Ministry of Education of the Portuguese Government.
01/1995 to 01/1997	Vice-President of The Portuguese Operations Research Society (APDIO).