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1. EDUCATION AND JOB HISTORY

EDUCATION

08/1993   -   **Ph.D. in Operations Research**, **Cornell University, USA**.
Thesis Advisor: David Shmoys.
Title homologations:
    Título homologado, Universitat Pompeu Fabra, Spain (08.05.2006).
    Título reconocido, Ministerio de Educación, Cultura y Deporte, Spain (21.02.2003).
    Título homologado, University of Lisbon, Ministério de Educação, Portugal (22.02.1994).

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**.

EXPERIENCE AND JOB HISTORY

12/2017 - present   -   **Full Professor**, Department of Economics and Business, Universitat Pompeu Fabra, Spain.

10/2017 - present   -   **Affiliated Professor**, Barcelona Graduate School of Mathematics (BGSMath), Spain.

09/2016 - present   -   **Affiliated Professor**, Barcelona School of Management, Universitat Pompeu Fabra, Spain.

09/2014 - present   -   **Affiliated Professor**, Barcelona Graduate School of Economics, Spain.

02/2005 - 11/2017   -   **Associate Professor (*Professora Agregada*)**, Department of Economics and Business, Universitat Pompeu Fabra, Spain.

01/1997 - 01/2005   -   Assistant Professor (*Professor Visitant*), Department of Economics and Business, Universitat Pompeu Fabra, Spain.
*February 2002: **tenured position** (internal evaluation at the Department of Economics and Business, Universitat Pompeu Fabra).*

01/1994 - 08/1997   -   Assistant Professor, Department of Statistics and Operations Research, *Faculdade de Ciências,* University of Lisbon, Portugal.

10/1991 - 01/1994   -   Teaching Assistant, Department of Statistics and Operations Research, *Faculdade de Ciências*, University of Lisbon, Portugal.

08/1989 - 12/1990   -   Teaching Assistant, School of Operations Research and Industrial Engineering, Cornell University, USA

2. RESEARCH

Google Scholar index (December 1st, 2020) **Citations 4448; h-index 25**
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RESEARCH INTERESTS

Operations Research, Intelligent Optimization, Business Analytics, Logistics, Metaheuristics, Iterated Local Search, Combinatorial Optimization, Scheduling, Supply Chain Management.

PUBLICATIONS

Refereed Publications indexed in Web of Science and Scopus

1. Rodriguez-Pereira J., De Armas J., Garbujo L., Ramalhinho H. (2020), Health Care Needs and Services for Elderly and Disabled Populations. Findings from a Barcelona Study. *International Journal of Environmental Research and Public Health* 17(21), 8071; https://doi.org/10.3390/ijerph17218071

2. Fabri M., **Ramalhinho H.**, Oliver M. and Muñoz J.C. (2020), Internal Logistics Flows Simulation: a case study in automotive industry, *Journal of Simulation* (accepted for publication) doi:10.1080/17477778.2020.1781554.

3. Oliveira T.A., Oliver M. and **Ramalhinho H.** (2020), Challenges for connecting citizens and smart cities: ICT, e-governance and blockchain, *Sustainability*, Special Issue "The Sustainable Development of Smart Cities through Digital Innovation", 12(7), 2926, doi:10.3390/su12072926.

4. Oliveira T.A., Gabrich Y., **Ramalhinho H**., Oliver M., Cohen M.W., Ochi L.S., Guey S.E, Protti F., Pinto A.A., Ferreira D.V.M, Coelho I.M., Coelho V.N. (2020), Mobility, Citizens, Innovation and Technology in Digital and Smart Cities, *Future Internet* 12(2), 22 doi:10.3390/fi12020022.

5. Nogueira, T.H., **Ramalhinho, H.L.**, de Carvalho, C.R.V. & Gomez-Ravetti M. (2020), A hybrid VNS-Lagrangean heuristic framework applied on single machine scheduling problem with sequence-dependent setup times, release dates and due dates. *Optimization Letters* (online) doi:10.1007/s11590-019-01525-7.

6. Nazário Coelho V., Coelho I.M., Mladenović N., **Ramalhinho H.**, Satoru Ochi L., Guimarães F.G., Souza M.J.F. (2019) Less Is More: The Neighborhood Guided Evolution Strategies Convergence on Some Classic Neighborhood Operators. In: Sifaleras A., Salhi S., Brimberg J. (eds) Variable Neighborhood Search. ICVNS 2018. Lecture Notes in Computer Science, vol 11328. Springer, Cham. https://doi.org/10.1007/978-3-030-15843-9_7.

7. Pagès-Bernaus A., **Ramalhinho H.**, Juan A.A., Calvet L. (2019), Designing E-commerce Supply Chains: a stochastic facility-location approach, *International Transactions in Operational Research* 26:2, 507-528. https://doi.org/10.1111/itor.12433.

8. Fabri M., **Ramalhinho H.**, Gomez-Ravetti M. & Souza M.C. (2019), The Adapted Lagrangean Relaxation for the Flow shop Scheduling Problem with Release Dates and Delivery Times, *Journal of Advanced Transportation*, Article ID 3176074. https://doi.org/10.1155/2019/3176074

9. Grasas A., Juan, A.A. Faulin, J., De Armas, J. and **Ramalhinho H.** (2017), Biased Randomization of Heuristics using Skewed Probability Distributions: applications to routing and other problems, *Computers & Industrial Engineering* 110: 216–228. https://doi.org/10.1016/j.cie.2017.06.019.

10. Oliveira, T. A., Coelho, V. N., **Ramalhinho, H.**, Souza, M. J. F., Coelho, B. N., Rezende, D. C., & Coelho, I. M. (2017). A VNS approach for book marketing campaigns generated with quasi-bicliques probabilities. *Electronic Notes in Discrete Mathematics*, *58*, 15–22. https://doi.org/10.1016/j.endm.2017.03.003

11. Coelho V.N., Oliveira T.A., Coelho I.N., Coelho B.N., Fleming P.J., Guimaraes F.G., **Ramalhinho H.**, Souza M.J.F., Talbi E., Lustk T. (2017), Generic Pareto local search metaheuristic for optimization of targeted offers in a bi-objective direct marketing campaign, *Computers & Operations Research* 78: 578–587. https://doi.org/10.1016/j.cor.2016.09.008.

12. Ferrer A., Guimarans D., **Ramalhinho H.R.** and Juan A.A. (2016), A BRILS Metaheuristic For Non-Smooth Flow-Shop Problems with Failure-Risk Costs, *Expert Systems with Applications* 4:177-186. https://doi.org/10.1016/j.eswa.2015.09.011.

13. Coelho V.N., Grasas A., **Ramalhinho H.**, Coelho I.M., Souza M.J.F. (2016), An ILS-based Algorithm to Solve a Large-scale Real Heterogeneous Fleet VRP with Multi-trips and Docking Constraints, *European Journal of Operational Research* 250(2): 367–376. https://doi.org/10.1016/j.ejor.2015.09.047.

14. Grasas, A. and **Ramalhinho, H.** (2016), Teaching Distribution Planning: A Problem-based Learning Approach. *International Journal of Logistics Management* **27**(2): 377 – 394 https://doi.org/10.1108/IJLM-05-2014-0075.

15. Grasas A., Juan, A.A. and **Lourenço H.R.** (2016), SimILS: A Simulation-based extension of the Iterated Local Search metaheuristic for Stochastic Combinatorial Optimization, *Journal of Simulation* **10**(1), 69–77 doi: 10.1057/jos.2014.25.

16. Martins P., Ladrón A. and **Ramalhinho H.** (2015), Maximum Cut-Clique Problem: ILS Heuristics and a Data Analysis Application, *International Transactions in Operational Research* 22(5):775-809. https://doi.org/10.1111/itor.12120.

17. **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. ISBN: 978-1-138-02725-1. https://doi.org/10.1201/b17488

18. 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 2014 JCR 1.71, Q2.

19. 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. https://doi.org/10.1201/b17488 ¡

20. 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

21. 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. https://doi.org/10.1007/s11750-011-0245-1.

22. **Lourenço, H.R.**, Paixão, J.P. and Portugal, R. (2009), Driver Scheduling Problem Modelling. *Public Transport: Planning and Operations*. 1(2):103-120. https://doi.org/10.1007/s12469-008-0007-0.

23. 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. https://doi.org/10.1108/09574090810919189.

24. 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. https://doi.org/10.1007/978-3-540-88439-2_7.

25. 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. https://doi.org/10.1007/978-3-540-70807-0_13.

26. 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. https://doi.org/10.1007/978-3-540-71615-0_6.

27. 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. https://doi.org/10.1016/j.ejor.2005.03.070.

28. **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. Scopus SJR: 0.13. ISBN 978-1-4020-8134-7.

29. 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. https://doi.org/10.1023/A:1026194423072.

30. **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. https://doi.org/10.1007/0-306-48056-5_11.

31. 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. https://doi.org/10.1007/3-540-46004-7_7.

32. **Lourenço, H.R.**, Paixão, J.P. and Portugal, R. (2001), Multiobjective metaheuristics for the bus-driver scheduling problem. *Transportation Science* 35(3):331-343. https://doi.org/10.1287/trsc.35.3.331.10147.

33. **Lourenço, H.R.** (1996), Sevast'yanov algorithm for the flow-shop scheduling problem. *European Journal of Operational Research* 91(1):176-189. https://doi.org/10.1016/0377-2217(94)00356-4.

34. **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. https://doi.org/10.1016/0377-2217(94)00356-4.

35. 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. https://doi.org/10.1016/0377-2217(95)00005-B.

Other Refereed Journals

36. De Armas, J., **Ramalhinho, H.**, Lalla-Ruiz, E., Melian-Batista, B., & Moreno-Vega, M. (2019). Operations Research for Transportation and Sustainable Development. Journal of Advanced Transportation, 2019. https://doi.org/10.1155/2019/4146362

37. Quintero-Araujo C.L., Gruler A., Juan A.A., de Armas J., **Ramalhinho H.** (2017), Using Simheuristics to promote Horizontal Collaboration in Stochastic City Logistics, *Progress in Artificial Intelligence* 6(4): 275–284. doi: 10.1007/s13748-017-0122-8.

38. Cáceres-Cruz, J., Grasas, A., **Ramalhinho H.**, Juan, A.A. and Roca, M. (2014), A savings-based randomized heuristic for the heterogenous fixed fleet vehicle routing problem with multi-trips, *Journal of Applied Operational Research*, 6(2):69-81. ISSN print: 1735-8523; ISSN online: 1927-0089.

39. 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 https://doi.org/10.1057/ori.2013.2. Indexed at ABS. ISSN: 0953-5543.

40. **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.

41. **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.

42. **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

43. Oliveira T.A., Coelho V.N., **Ramalhinho H.**, Oliver M. (2019) Digital Cities and Emerging Technologies. In: Nazário Coelho V., Machado Coelho I., A.Oliveira T., Ochi L. (eds) Smart and Digital Cities. Urban Computing. Springer, Cham. https://doi.org/10.1007/978-3-030-12255-3_12

44. **Ramalhinho Lourenço, H.**, Martin, O. and Stützle, T. (2019), Iterated Local Search: Framework and Applications. In Handbook of Metaheuristics, International Series in Operations Research & Management Science 272, Gendreau, J.-Y. Potvin (eds.), Springer International Publishing AG 129-168, DOI 978-3-319-91086-4_5.

45. **Ramalhinho H**. and Ravetti M-G. (2018), Supply Chain Management in Handbook of Heuristics, Martí R., Pardalos P. and Resende M. (Eds.), Springer, Cham. pp.1241-1258. ISBN: 978-3-319-07123-7 (Print) 978-3-319-07124-4 (Online), https://doi.org/10.1007/978-3-319-07124-4_54.

46. **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. Doi: 10.4018/978-1-61350-086-6.ch005 ISBN: 978-1-61350-086-6.

47. **Lourenço, H.R.**, Martin, O. and Stützle, T. (2010), Iterated Local Search: Framework and Applications. In *Handbook of Metaheuristics*, 2nd. Edition. Vol.146. M. Gendreau and J.Y. Potvin (eds.), Springer New York, International Series in Operations Research & Management Science, pp. 363-397. https://doi.org/10.1007/978-1-4419-1665-5_12. ISBN: 978-1-4419-1663-1.

48. **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.

49. 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.

50. 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. Doi: 10.1007/978-1-4615-4567-5. ISBN: 978-0-7923-7718-4.

51. **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.

52. **Lourenço, HR.** 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. Doi:10.1007/978-1-4613-1361-8. ISBN: 978-0-7923-9700-7.

Refereed Conference Proceedings

53. Rankothge W., **Ramalhinho H.** and Lobo J. (2019), On the Scaling of Virtualized Network Functions. Proceedings of IFIP/IEEE International Symposium on Integrated Network Management, 8-12 April 2019, Washington DC, USA.

54. **Ramalhinho, H.,** (2019) Iterated Local Search: Applications and Extensions, Proceedings of the 8th International Conference on Operations Research and Enterprise Systems (ICORES) February 19-21, 2019., Prague, Czech Republic. Greg H. Parlier, Federico Liberatore, Marc Demange (editors) ISBN: 978-989-758-352-0, pp. 7-15.

55. Fabri M. and **Ramalhinho H.** (2018), Consulting In-House Supplying Route in the Automotive Industry. Proceedings of the 2018 Winter Simulation Conference. M. Rabe, A.A. Juan, N. Mustafee, A. Skoogh, S. Jain, and B. Johansson, eds. December 9-12. Gothenburg, Sweden.

56. Oliveira, T.A., Barbosa, A.C., **Ramalhinho, H.,** & Oliver, M. (2018). Citizens and Information and Communication Technologies. Proceedings of the 2018 International Joint Conference on Neural Networks (IJCNN), 1-7, July 8-13, 2018, Rio de Janeiro, Brazil.

57. Fabri M. and **Ramalhinho, H.,** (2017), Designing Internal Supply Routes: a case study in automotive Industry. In Proceedings of the 2017 Winter Simulation Conference (WSC). December 3-6, Las Vegas, NV, USA. Pages: 3358 – 3369. Doi: 10.1109/WSC.2017.8248052. ISSN: 1558-4305.

58. Oliveira T., Coelho V.N., Tavares W., **Ramalhinho H.,** Oliver M. (2017), "Desafios Operacionais e Digitais para Conectar Cidadãos em Cidades Inteligentes", In Proceedings of the XLIX Brazilian Symposium of Operational Research (SBPO), September 16-19, Blumenau, Brasil.

45. Fabri M. and **Ramalhinho, H.,** (2017), Routes design from warehouses towards the delivery points. In Proceedings of the MIC/MAEB 2107 (MIC2017). Barcelona, Spain. July 4-7, pp: 73-75.

46. Schettini T., Malluceli F. and **Ramalhinho, H.,** (2017), Scheduling of a line manager using Iterated Local Search. In Proceedings of the MIC/MAEB 2107 (MIC2017). Barcelona, Spain. July 4-7, pp: 76-78.

47. Galvani M, **Ramalhinho H.,** Malucelli F. (2016), Solving a Home Health Care Routing Problem through Iterated Local Search: the real case of Ferrara, in Proceeding of the XI Congreso Español de Metaheurísticas, Algoritmos Evolutivos y Bioinspirados (MAEB 2016) - track XVII Conferencia de la Asociación Española para la Inteligencia Artificial) (CAEPIA 2016), Salamanca, España, September 14-16, 2016.

48. Pagés, A., Juan A.A., **Ramalhinho H.** (2015), Considering Risk Issues in the Uncapacitated Facility Location Problem with Stochastic Components, in Current Topics on Risk Analysis: ICRA& and RISK 2015 Conference, Barcelona, Barcelona, Guillem M., Juan A.A., Ramalhinho H., Serra I., Serrat C. (editors), Fundación Mapfre, pp. 587-595, ISBN: 978-84-9844-496-4.

49. **Ramalhinho, H.,** Juan, Angel A., M.G. Ravetti (2015). Simheuristics for Supply Chain Management. In Proceedings of the 11th edition of the Metaheuristics International Conference (MIC2015). June 7-10, 2015 Agadir, Morocco.

50. 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", In Proceedings of the XLV Brazilian Symposium of Operational Research (SBPO), 16-19, September, 2013 Natal, Brasil.)

51. 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", In <u>Proceedings of the XLV Brazilian Symposium of Operational Research</u> (<u>SBPO</u>), 16-19, september, 2013 Natal, Brasil.

52. 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 <u>Proceeding of the VIII Congreso Español sobre Metaheurísticas, Algoritmos Evolutivos y Bioinspirados, MAEB'2012</u> 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.

53. 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 <u>Proceeding of the VIII Congreso Español sobre Metaheurísticas, Algoritmos Evolutivos y Bioinspirados, MAEB'2012</u> 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.

54. Juan, A.; Ruiz, R.; **Lourenço, H.R.,** Mateo, M., Ionescu, D. (2010), A Simulation-based Approach for Solving the Flowshop Problem. In <u>Proceedings of the 2010 Winter Simulation Conference</u>. Baltimore, Maryland, USA. December 5-8 (CD).

55. Fernandes, S. and **Lourenço, H.R.** (2007), Hybrids Combining Local Search Heuristics with Exact Algorithms. In <u>Proceeding of the V Congreso Español sobre Metaheurísticas, Algoritmos Evolutivos y Bioinspirados, MAEB'2007</u>, 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.

56. Fernandes, S. and **Lourenço, H.R.** (2007), A Simple Optimized Search Heuristic for the Job-Shop Scheduling Problem. In <u>Proceeding of the V Congreso Español sobre Metaheurísticas, Algoritmos Evolutivos y Bioinspirados, MAEB'2007</u> 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.

57. **Lourenço, H.R.** (2005), Multiobjective metaheuristics for integrated logistics problems. In <u>Proceeding of the CEDI'2005 (I Congreso Español de Informática)</u>, <u>IV Congreso Español sobre Metaheurísticas, Algoritmos Evolutivos y Bioinspirados, MAEB'2005</u>, 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.

58. Soto, J.P. and **Lourenço, H.R.** (2005), An heuristic for the collaborative production planning model with returns. In <u>Proceeding of the CEDI'2005 (I Congreso Español de Informática)</u>, <u>IV Congreso Español sobre Metaheurísticas, Algoritmos Evolutivos y Bioinspirados, MAEB'2005</u>, 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.

59. Giménez, C. and **Lourenço, H.R.** (2005), A review on e-SCM topics. In <u>Proceeding of the Decision Sciences Institute International Conference</u>, IESE, Barcelona, Spain, July 3-6, pp. 805-815. ISBN 0-9667118-2-3.

60. Ribeiro, R. and **Lourenço, H.R.** (2005), A new model and heuristic for a multi-period inventory-routing problem. In <u>Proceeding of the Decision Sciences Institute International Conference</u>, IESE, Barcelona, Spain, July 3-6, pp. 403-414. ISBN 0-9667118-2-3.

61. Soto, J.P., Giménez, C. and **Lourenço, H.R**. (2005), Reverse Logistics in the editorial sector: an exploratory study. In <u>Proceeding of the 10th International Symposium on Logistics</u>, Lisbon, Portugal, July 3-5, pp. 590-595. ISBN 0-85358-216-5.

62. Giménez, C. and **Lourenço, H.R.** (2004), e-Supply Chain Management: review, implications and directions for future research. In <u>Proceeding of the EUROMA conference</u>, INSEAD, Fontainebleau, 27-29 June, pp. 1021-1031. ISBN 2-9522210-0-6.

63. **Lourenço, H.R.** (2004), Enseñar metaheurísticas en Facultades o Departamentos de Economía y Empresa (Teaching Metaheuristics at Business and Economic Schools). In <u>Proceedings of The Third Spanish Congress in Metaheuristics, Evolutive and Bioinspired Algorithms, MAEB'2004</u>, 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.

64. Soto, J.P. and **Lourenço, H.R.** (2003), A recoverable Production Planning Model. In <u>Proceedings of XXVII Congreso SEIO de Estadística e Investigación Operativa</u>. pp. 2731-2766, May. ISBN: 84-8409-955-5.

65. Ribeiro, R. and **Lourenço, H.R.** (2003), Inventory-Routing Problem, for a multi-period problem with stochastic and deterministic demand. In <u>Proceedings of The Second Spanish Congress in Metaheuristics, Evolutive and Bioinspired Algorithms</u>, MAEB'2003, Gijón, Spain, February 5-7, pp. 257-265. ISBN 84-607-65-26-1.

66. **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.

67. 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.

68. **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.

Books

- Current Topics on Risk Analysis: ICRA& and RISK 2015 Conference (2015), Guillem M., Juan A.A., **Ramalhinho H.**, Serra I., Serrat C. (editors), Fundación Mapfre, Barcelona, Spain, ISBN: 978-84-9844-496-4.

Ph.D. and Master's Dissertations

- "*A computational study of the job-shop and flow-shop scheduling problems*", Ph.D. dissertation, Cornell University, USA, August 1993.
- "*The job-shop and flow-shop scheduling problems: survey and computational experiment*", Master of Science dissertation, University of Lisbon, Portugal, June 1991.

Other Publications

- De Armas J., **Ramalhinho H**. Lalla-Ruiz E., Melian-Batista B. and Moreno-Vega M. (2019) Operations Research for Transportation and Sustainable Development, Editorial, *Journal of Advanced Transportation*, Article ID 4146362. https://doi.org/10.1155/2019/4146362
- Blum C., Juan A.A., Ramalhinho H. and Stützle T. (2020) "Preface to the Special Issue on Matheuristics and Metaheuristics", *International Transactions in Operational Research* 27:1, 5-8. doi.org/10.1111/itor.12702
- **Lourenço, H.R.** (2004) "*Teaching Metaheuristics in Business Schools*" in AIRO News, IX, n.1, Spring, pp. 4-7.
- **Lourenço, H.R.,** Martin, O. and Stützle, T. (2003) "*Iterated Local Search*" in AIRO News VIII, n.3, autumn, pp. 11-14.
- **Lourenço, H.R. and** Soto, J.P. (2003) "*Nuevas Tendencias en Logística Inversa*" (New tendencies in Reverse Logistics) Dossier Especial Centro Español de Logística (eds.), Gestión de la cadena de suministro, Visión de Futuro. Barcelona, November.
- **Lourenço, H.R.** (2002) "*e-logistics*", in *La Logística Empresarial a les portes del nou millenni* (Business Logistics for the new millennium), Daniel Serra (editor), Fundación Empresa Ciencia.
- **Lourenço H.R.** and Serra, D. (1998) "*La contribución de la Investigación Operativa a la mejora de la eficiencia en el ámbito sanitario*", (Operations Research contribution to efficiency improvement in health sector) Papeles de Economía, vol. 76, pp. 216-2268.

FINANCED RESEARCH PROJECTS

Main Research Projects – participation as a full member on the following projects

2020-2023	Mobility Optimization for Social Care Services. Industrial PhD. Funding: Barcelona City Council (Institut Municipal Persones amb Discapacitat) and AGAUR, Generalitat de Catalunya. (Doctorat industrial UPF- Institut Municipal de Persones amb Discapacitat, referència DI 2020 008) **IP: Helena Ramalhinho**.
2020-2021	Improving Home Health and Social Care Systems, Innovadors 2019, AGAUR, Government of Catalonia. IP: Helena Ramalhinho.
2020-2022	Improving Caregivers Mobility, CIMTI Repte 2019. Fundación Leitat. IP: Helena Ramalhinho.
2020-2021	The social urgency of a growing elderly population: Building sustainable home care services. SR0225 La Caixa Social Research 2019. IP: Jesica de Armas.
2019-2021	Logistics Optimization for the Home Health and Social Care Services. Competitive Research Project: RTI2018-095197-B-I00, Ministerio de Ciencia, Innovación y Universidades, Plan

	Estatal De Investigación Científica y Técnica y de Innovación 2017-2020, Programa Estatal De I+D+I Orientada a los Retos de la Sociedad, Spain. Research director (IP): **Helena Ramalhinho Lourenço** and Jesica de Armas. 35.453 €. Team: 4 Researchers.
2016 – 2021	Cost Action "European Network of Collaboration on Kidney Exchange Programmes", (ENCKEP) CA15210. COST (EU Framework Programme Horizon 2020). IP: Prof. Joris van de Klundert and Prof. David Malone. Spanish MC coordinators: Helena Ramalhinho & Flip Klijn.
2017-2020	Research group Wireless Networks (WiNets) (GRC - Grup de Recerca Consolidat). Research Project: 2017SGR1739, AGAUR, Catalonia Government. Research director: Miquel Oliver. 62,000€.
2018	Crew Scheduling for Taxi Drivers – Application to Cabify. Funding: Job and Talent. IP: Jesica de Armas & **Helena Ramalhinho**
2016 - 2019	Mathematical Models and Algorithm to solve Logistics Optimization Problems in SEAT-Volkswagen. Industrial PhD. Funding: Seat (Spain)/AutoUni Volkswagen (Germany) and AGAUR, Generalitat de Catalunya. **IP: Helena Ramalhinho**.
2016 - 2017	Solving Optimization Problems for e-commerce in INDITEX. Funding: OESIA and INDITEX (Spain). **IP: Helena Ramalhinho** and Daniel Serra.
2015 - 2017	"Red de Excelencia en Transporte, Logística, y Producción Inteligente". MINECO TRA2015-71883-REDT. Main researcher: Ángel A. Juan, UOC, Spain. 16.500€.
2015 - 2018	"Red Iberoamericana de Logística Inteligente en la Gestión Sostenible del Transporte en Núcleos Urbanos". CYTED P514RT0013. Main researcher: Javier Faulin (Universidad Pública de Navarra, Spain). (HAROSA-CYTED)
2014 - 2017	Business Analytics Models for Horizontal Cooperation in Transportation and Logistics. Research Project: TRA2013-48180-C3-2-P, Ministerio de Economía y Competitividad, Programa Estatal de Fomento de la Investigación Científica y Técnica de Excelencia, Spain. **Research director (IP): Helena Ramalhinho Lourenço**. 48,400 €. Team: 6.5 Researchers.
2015 - 2016	SMART-TRANS: Smart Cooperation in Transportation & Logistics. Research Project: CTP-AGAUR, Department of Universities, Research & Information Society of the Catalan Government. XI-CTP (2014-CTP-00001). Main researcher: Dr. Angel A. Juan. 15,000€.
2014 - 2016	Grup de Recerca d'estadística i investigació operativa (Research group in Statistics and Operations Research). Research Project: 2014 SGR 849, AGAUR, Catalonia Government. Research director: Gabor Lugosi. 43,000€.
2011 - 2014	"HAROSA@IB: Red Iberoamericana de Algoritmos, Software Libre y Computación Distribuida para la resolución de problemas de Routing, Scheduling y Disponibilidad de Sistemas". CYTED2010-511RT0419. Main researcher: Angel A. Juan & Daniel Riera (IN3-Open University of Catalonia, Spain). 32,992 €/year.
2010 - 2012	"Quantitative decision methods for logistics and operations management" (Métodos cuantitativos de decisión en entornos logísticos y productivos). Research Project: ECO2009-11307, Ministerio de Ciencia e Innovación, Spain. Research director: Daniel Serra. Funding 54,000 €. Team: 6 Researchers UPF.
2010 - 2013	Grup de Recerca en Estratègies Empresarials (Research group in Business Strategy). Research Project: 2009 SGR 1431, AGAUR, Catalonia Government. Research director: Robin Hogarth. Funding 38,400€. Team: 13 Researchers UPF.
2007 - 2009	"Quantitative decision methods for logistics and operations management" (Métodos cuantitativos de decisión en entornos logísticos y productivos). Research Project: SEJ2006-12291/ECON, Ministerio de Educación y Ciencia, Spain. Research director: Daniel Serra. Funding 126,469.20€. Team: 6 Researchers UPF + 2 external.
2004 - 2006	"Quantitative decision methods for logistics and operations management" (Métodos cuantitativos de decisión en entornos logísticos y productivos). Research Project, SEC2003-01991/ECO, Spain. Research director: Daniel Serra. Funding 126,160.00€. Team: 7 Researchers UPF + 1 external.
2005 - 2008	Research Group: Grup d'Estadística i Investigació Operativa. 2005 SGR 00665. AGAUR Research project, Generalitat de Catalunya. Research director: Gabor Lugosi. Funding 42,200€. Team: 8 Researchers UPF.
2002 - 2005	Research Group: Grup d'Estadística i Investigació Operativa. 2002SGR 00134. AGAUR Research project, Generalitat de Catalunya. Research director: Albert Satorra. Funding 42,408€. Team: 9 Researchers UPF.

2001 - 2003	"Optimization Models for Resource Assignment in Logistics and Production Systems", Research Project, BEC2000-1027, Spain, Research director: Daniel Serra. Funding 48,080.97€. Team: 5 Researchers UPF.
1998 - 1999	"Optimization Models for Resource Assignment in Logistics and Production Systems". Research Project: CICYT TAP98-0229, Spain. Research director: José Niño Mora. Funding 15,746.52€. Team: 3 Researchers UPF.
1996 - 1999	"Combinatorial Optimization: Algorithmic Approaches to Large-Scale Optimization Models". Research Project: FCT PRAXIS (/2/2.1MAT/139/94), Faculdade de Ciência, Universidade de Lisboa, Portugal. Research director: José Pinto Paixão.
1997 - 1998	"Microeconomics Foundations of Macroeconomics Analysis: The Case of Labor Market", Research Project, Universitat Pompeu Fabra. Research director: Gilles Saint-Paul.
1994 - 1996	"Combinatorial Optimization Models: Applications and Extensions", Research Project, Junta Nacional de Investigação Científica e Tecnológica, Portugal - Programa STRIDE, Portugal, nº STRDA/C/CEG/426/92. Research director: José Pinto Paixão.
1986 - 1990	"Topological Design of a Network", Research Project and Development nº 809.86.148, Junta Nacional de Investigação Científica e Tecnológica, Portugal. Research director: José Pinto Paixão.
1986 - 1987	"Algorithms to Design a Data Communication Network", Internship (5º year of the Licenciatura Degree), PTT- Portugal Telecom.

Research Network – participation in the following research networks

2015 - 2018	"Red Iberoamericana de Logística Inteligente en la Gestión Sostenible del Transporte en Núcleos Urbanos". CYTED P514RT0013. Main researcher: Javier Faulin (Universidad Pública de Navarra, Spain). (HAROSA-CYTED)
2015 - 2017	SmartTransPro – Intelligent Transport, Logistics and Production (Redes de Excelencia). TRA2015-71883-REDT. Ministerio de Economía y Competitividad, Programa Estatal de Fomento de la Investigación Científica y Técnica de Excelencia, Spain. Research director (IP): Angél Juan. Coordinator of node UPF: Helena Ramalhinho. Funding: 15.000 €.
2008 - 2009	Location Network (Red Temática Localización y Problemas Afines). Research Project: MTM2008-02221-E/MTM. Ministerio de Educación y Ciencia, Spain. Research director: Alfredo Marín. Funding: 10.000 €.
2007 - 2008	Location Network (Red Temática Localización y Problemas Afines). Research Project: MTM2007-30163-E. Ministerio de Educación y Ciencia, Spain. Research director: Alfredo Marín.
2006 - 2007	Location Network (Red Temática en Análisis de Localizaciones y sus Aplicaciones). Research Project: MTM2006-27490-E. Ministerio de Educación y Ciencia, Spain, Research director: Elena Fernández.
2005 - 2006	Seminario Hispano-Brasileño sobre Logística Ambiental. Research Project: PHD2005-0050-TA, Plan de Cooperación Interuniversitario con Brasil (BOE 26-5-2005), Spain. Research director: Belarmino Adenso Díaz.
2005 - 2006	Scheduling Network (Red Temática de Secuenciación de Trabajos) Referencia: DPI2004-20467-E. Ministerio de Educación y Ciencia, Spain. Research director: Jose Manuel Framiñan Torres.
2004 - 2006	"Metaheuristics Network" (Red Temática en Metaheuristicas). Research Project: HEUR TIN2004-20061-E, Ministerio de Educación y Ciencia, Spain, Research director: Rafael Martí. Funding 12,000€. Team: 142 Researchers.
2005 - 2006	Location Network (Red Temática en Análisis de Localizaciones y sus Aplicaciones). Research Project: MTM2005-24550-E. Ministerio de Educación y Ciencia, Spain. Research director: Elena Fernández.
2004	Reverse Logistics Network (Red Temática Española de Logística Inversa) Referencia: MEC-SEJ2004-20495-E. Ministerio de Educación y Ciencia, Spain, Research director: Adenso Díaz Fernández.
2003-2004	"Metaheuristics Network" (Red Temática en Metaheuristicas). Research Project: TIC2002-10886-E, Ministry of Science and Technology, Spain. Research director: Rafael Martí. Funding 24,000€. Team: 100 Researchers.

FINANCED R&D PROJECTS with INDUSTRY

2018	Applied Research Project "Scheduling of Taxing Drivers". Jobs and Talent.
2016 - 2019	Solving Optimization Problems for e-commerce in INDITEX. Funding: OESIA and INDITEX (Spain). **IP: Helena Ramalhinho** and Daniel Serra.
1996 - 1997	"Sistema de optimización de planes de fabricación de embalajes de cartón" Research directors: Frances Ribas. Funding: 40.000 €. Empresas participantes: AIS_ Aplicacions de Inteligencia Artificial, Spain.
1991 - 1997	"Um Sistema de Apoio à Decisão para o Planeamento Operacional de sistemas de Transportes Colectivos de Passageiros - Projecto Gist" in Transport Industry. Research directors: José Maunel Pinto Paixão (Universidade de Lisboa), João Falcão e Cunha (Universidade do Porto). Funding: 700.000 €. Empresas participantes: CARRIS (Lisboa), STCP (Porto), HORARIOS DO FUNCHAL (Madeira), VIMECA (Lisboa), BARRAQUEIRO (Lisboa)

MEMBER OF THE RESEARCH CENTERS

Since 2012	*Business Analytics Research Group* (BARG), Universitat Pompeu Fabra, Spain. **Director since 2015.**
1997 - present	*Grup de Recerca en Economia i Salut* (Center for Research in Health and Economics) Universitat Pompeu Fabra, Spain.
1994 - 2018	*Centro de Investigação Operacional* (Operations Research Center) University of Lisbon, Portugal. http://cio.fc.ul.pt/
1988 - 1993	*Centro de Estatística e Aplicações* (Applied Statistics Center) University of Lisbon, Portugal.

CONFERENCES AND SEMINARS

Presentations in Conferences (last 10 years)

2021	1.	**Ramalhinho H.** French German Portuguese 2021 Optimization Conference, September 7-10, 2021, Porto, Portugal. Invited Keynote Speaker.
2020	2.	**Ramalhinho, H.,** "*Home Health and Social Care: Operations Research Applications*" Invited Plenary Speaker at the 52nd Brazilian Society of Operations Research (SOBRAPO), November 3-5, 2020, João Pessoa, Brazil.
	3.	**Ramalhinho, H.,** "The impact of Synchronization in Home Health and Social Care Services" 46th Annual Meeting of the EURO Working Group on Operational Research in Health Care (e-ORHS 2020), July 26-31, 2020, Vienna, Austria.
2019	4.	**Ramalhinho, H.,** "*Business Applications of the Iterated Local Search*" Invited Keynote Speaker II Escuela de Invierno de la Red HEUR, Campus de Móstoles de la Universidad Rey Juan Carlos, November 6-8, 2019.
	5.	Fabri M. and **Ramalhinho, H.,** "*A Simulation-based Iterated Local Search for The In-house Logistics Routing Problem*" INFORMS 2019 Annual Meeting (INFORMS 2019), October 20-23, 2019, Seattle, Washington, USA.
	6.	Fabri M. and **Ramalhinho, H.,** "*Internal Logistics Routing Optimization*" XIII Metaheuristics International Conference (MIC 2019), July 28-31, 2019, Cartagena, Colombia.
	7.	**Ramalhinho, H.** and De Armas, J. "*Interdependent Home Health Care and Social Care Problems*" Seventh Workshop of the EURO Working Group on Vehicle Routing and Logistics Optimization (VEROLOG 2019), 3-5 June 2019, Seville (Spain)
	8.	**Ramalhinho, H.,** "*Iterated Local Search: Applications and Extensions*" Invited Keynote Speaker at the 8th International Conference on Operations Research and Enterprise Systems (ICORES), February 19 - 21, 2019, Prague, Czech Republic.
2018	9.	**Ramalhinho, H.,** "*Iterated Local Search and Extensions*", Amazon, Seatlle, USA. August 2018.
	10.	**Ramalhinho, H.,** "*Iterated Local Search and Applications*" Metaheuristics Summer School – from Design to Implementation – MESS 2018 – 21-25 July 2018, Achireale Italy (invited Speaker).
	11.	**Ramalhinho, H.** "Designing e-commerce supply chains. A stochastic facility–location approach", Metaheurísticas, Algoritmos Evolutivos y Bioinspirados (MAEB) - Conferencia de la Asociación Española para la Inteligencia Artificial (CAEPIA), 23-26 October, 2018, Granada, Spain.

	12. **Ramalhinho, H.**, "*Iterated Local Search and Extensions*" in Workshop on Real Life Optimization (WORLO III)**,** January 24-25, 2018, Valencia, Spain *13.* **Ramalhinho, H.,** *"Introduction to Combinatorial Optimization and Applications",* Metaheuristics Workshop, UPF & BGSMath, Barcelona, Spain, February 21-23, 2018. *14.* **Ramalhinho, H.,** *"Iterated Local Search",* Metaheuristics Workshop, UPF & BGSMath, Barcelona, Spain, February 21-23, 2018.
2017	15. **Ramalhinho, H.**, "*From ILS to Hybrid ILS … and other extensions*" in Fred80fest: Innovations in Optimization and Applications, March 9-10, 2017, Boulder, Colorado USA (Invited Speaker)
2016	16. **Ramalhinho, H.**, joint work with Galvani M, Malucelli F., *Solving a Home Health Care Routing Problem through Iterated Local Search: the real case of Ferrara*, in Proceeding of the XI Congreso Español de Metaheurísticas, Algoritmos Evolutivos y Bioinspirados (MAEB 2016) - track XVII Conferencia de la Asociación Española para la Inteligencia Artificial) (CAEPIA 2016), Salamanca, España, September 14-16, 2016. 17. **Ramalhinho, H.**, "*From ILS to Hybrid ILS … and other extensions*" in 10th International Workshop on Hybrid Metaheuristics**,** June 8-10, 2016, Plymouth, UK. (HM 2016). **(Plenary Invited Speaker)**
2015	18. **Ramalhinho, H.**, Juan, A. and Gomez-Ravetti, M. "*Simheuristics for Supply Chain Management*" in IO 2015, XVII Congresso da Apdio "IO & Big Data"**,** September 6-10, 2015, Portalegre, Portugal. (IO 2015). 19. **Ramalhinho, H.**, "How to do a good presentation" in 2015 Barcelona Risk and Analytics, November 25th, 2015, Barcelona, Spain. 20. **Ramalhinho, H.,** Juan, A. and Gomez-Ravetti, M. "*Simheuristics for Supply Chain Management*" in 2015 GreenCoop-CYTED Workshop**,** September 3-4, 2015, Madrid, Spain. (CYTED Workshop) 21. **Ramalhinho, H.,** Juan, A. and Gomez-Ravetti, M. "*Simheuristics for Supply Chain Management*" in 11th Metaheuristics International Conference**,** June 7-10, 2015, Agadir, Marocco. (MIC'15). 22. **Ramalhinho, H.,** Pagés, A. and Juan, A. "*Considering risk issues in the Uncapacitated Facility Location Problem with stochastic components*" in International Conference on Risk Analysis**,** May 26-29, 2015, Barcelona, Spain. (ICRA6/RISK2015).
2014	23. **Ramalhinho H.** (2014), "*A Polynomial Algorithm for a Special Case of the One-Machine Scheduling Problem with Time-Lags*", The 4th of the International Conference on Engineering Optimization, September 8-11, 2014 Lisbon, Portugal. (EngOpt 2014) 24. **Ramalhinho Lourenço, H.,** Juan, A. and Grasas, A. "*SimILS: Solving Stochastic Combinatorial Optimization Problems by Combining Iterated Local Search with Simulation*" in 20th Conference of the International Federation of Operational Research Societies**,** July 13-18, 2014, Barcelona, Spain. (IFORS 2014).
2013	25. **Lourenço, H.R.**, Juan, A.A., Grasas, "*SIMILS: Simulation + ILS*" in IN3-HAROSA Workshop (Harosa), UOC, Barcelona, Spain, November 21-22, 2013. 26. **Lourenço, H.R.**, Grasas, A., "*Teaching VRP in Business Schools*" in 2013 26th EURO European Conference on Operational Research (EURO), Roma, Italy, July 1-4, 2013.
2012	27. **Lourenço, H.R.**, Grasas, A., Pessoa, L., Resende, M. "*Solving a real application of the Time-Constraint Open Vehicle Routing Problem*" in 2012 25th EURO European Conference on Operational Research (EURO), Vilnius, Lithuania, July 8-11, 2012. 28. **Lourenço, H.R.**, Grasas, A., Cáceres-Cruz, J., Juan, A.A., Roca, M. "*A Randomized Hybrid Algorithm based on Saving and Vehicle Assignment Policies for the Heterogeneous Vehicle Routing Problem*" in 2012 VEROLOG (Verolog), Bologna, Italy, June 18-29, 2012. 29. **Lourenço, H.R.**, Juan, A.A., Grasas, A., Cáceres-Cruz, J., Roca, M. "*A Randomized Savings Metaheuristic for the Heterogeneous Fleet Multitrip VRP*" in IN3-HAROSA Workshop (Harosa), IN3, UOC, Barcelona, Spain, June 13-15, 2012.
2011	30. **Lourenço, H.R.**, "Aplicaciones Empresariales de Nuevas Técnicas de Análisis Logística", Jornada de Business Analytics, Fundación Ramón Areces, Madrid, Spain, January 24, 2011. http://www.fundacionareces.tv/watch/4f0d6e9194a05f2523140000 31. **Lourenço, H.R.**, Juan, A. A., Faulin, J., Ferrer, A., and Barros, B. "MIRHA: *Multi-Start Biased Randomization Heuristics for Solving Non-Smooth Routing Problems*" in 2011 IN3-HAROSA Workshop (HAROSA), Barcelona, Spain, July 18-19, 2011. 32. **Lourenço, H.R.,** Juan, A. A., Faulin, J., Ferrer, A., and Barros, B. "*Multi-Start Biased Randomization Heuristics for Solving Non-Smooth Routing Problems*" in Optimization (Optimization), Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa, Caparica, Portugal, July 24-27, 2011. (Program Committee)

2010	33. **Lourenço, H.R.** "*An ILS to solve a Multiobjective Integrated Distribution Problem*" in 2010 IN3-HAROSA Workshop ([HAROSA](#)), Barcelona, Spain, November 22-23, 2010.
	34. **Lourenço, H.R.** "*Matheuristics. Optimized Search Heuristics*" in Numerical Optimization and Applications in Engineering, Centre de Recerca Matemática ([CRM](#)), Bellaterra, Spain, October 13-15, 2010.
	35. **Lourenço, H.R.** "*An Iterated Local Search to solve a Multiobjective Integrated Distribution Problem*" in EURO XXIV ([EURO 2010](#)), Lisbon, Portugal, July 11-14, 2010.

Invited University Seminars, Courses and Visiting appointments

- "Analytics y la crisis de la COVID-19", Helena Ramalhinho, Course: Matemáticas vs. COVID-19, **University International Menéndez Pelayo**, Santander, Spain 27-28, 2020. (https://www.uimptv.es/video-3428_matematicas-vs-covid-19-iv.html).

- Research and Teaching visit. Teaching the Course "Metaheuristics for Combinatorial Optimization" Erasmus+ Program, **Department of Mathematical Sciences, Royal Melbourne Institute of Technology ([RMIT](#)),** Melbourne, Australia**, 21-25 January, 2019.

- "Introduction to Combinatorial Optimization and Applications", Helena Ramalhinho. Course: Metaheuristics Graduate Course, Universitat Pompeu Fabra, Barcelona, Spain, February 21, 2018. (https://youtu.be/bOM-M2yXdpc)

- "Iterated Local Search", Helena Ramalhinho. Course: Metaheuristics Graduate Course, Universitat Pompeu Fabra, Barcelona, Spain, February 21, 2018. (https://youtu.be/1dIHQJBOCmk)

- **Research visit.** Invited by Prof. Michael Pinedo for a short visiting appointment, **Stern School of Business**, **New York University,** United States of America**, 5 - 23 of July 2016.

- **Research visit.** Invited by Prof. Alysson Costa for a short visiting appointment, School of Mathematics and Statistics, **The University of Melbourne, Australia,** 24 of June to 10 of July 2015. Invited to give a talk on the *Discrete Structures and Algorithms Seminar* with title *Heuristics for Supply Chain Management* (July 8th, 2015).

- "*Herramientas para la toma de decisions del Laboratorio Clinico*", Jornada de Gestión, Sociedad Española de Bioquímica Clínica y Patología Molecular (6.5 hours), Barcelona, Spain, November 25, 2010.

- "*La logística inversa en el sector editorial*", Conferenciante en el programa de **"Logística Inversa y Medio Ambiente**, Gijón, Spain, July 6, 2007.

- "*La logística inversa en el sector editorial*", **Simposium de Logística Inversa**, Fundación Escuela de Negocios de Asturias, Gijón, Spain, May 18, 2006.

- "*Metaheuristics in Logistics Operations*", **Seminaris in Transport**, Escola Tècnica Superior d'Enginyers de Camins, Canals i Ports, Universitat Politècnica de Catalunya, Barcelona, Spain, May 25, 2000.

- **Research visit.** Invited by Prof. Fred Glover and Prof. Manuel Laguna for a short visiting appointment (one week), Operations Management Group, Graduate School of Business Administration, University of Colorado, USA, October 1998.

- "*Metaheuristics and lower bounds for the job-shop scheduling*", Department of Economics and Management, **Universitat Pompeu Fabra**, Spain, February 20, 1997.

- "*Simulated annealing techniques*", **OR Seminar**, **ISCTE** (Instituto Superior de Ciências do Trabalho e da Empresa), Lisboa, Portugal, May 31, 1995.

- "*Local optimization and the job-shop scheduling problem*", Seminário Permanente de Investigação Operacional e Optimização, **CEMAPRE**, Management and Economics Institute, Technical University of Lisbon, Lisboa, Portugal, February 2, 1994.

- "*The one-machine scheduling problem*" (talk and visiting). Invited by Prof. Federico Malluceli for a short visiting appointment (one week), Computer Science Department, **Pisa University**, Italy, October 7-12, 1994. Short research stay for a week.

- "*Local optimization and the job-shop scheduling problem*", Seminários da Área de Investigação Operacional, **Department of Statistics and Operations Research**, University of Lisbon, Lisboa, Portugal, November 17, 1993.

PROGRAM COMMITTES (last 10 years)

2020	Member of the Program Committee of the XIV Congreso Español de Metaheurísticas, Algoritmos Evolutivos y Bioinspirados (MAEB 2020) (part of CAEPIA 2020 and CEDI 2020), Malaga, Spain, September 23-25, 2020.
	Member of the Program Committee of **Optimization 2020** July 24-29, 2020, Aveiro, Portugal.
	Member of the Program Committee of the **Simpósio Brasileiro de Pesquisa Operacional** (SBPO 2020). 29 September – 2 October, 2020, João Pessoa, Brazil
	Member of the Program Committee of 14th Learning and Intelligent Optimization Conference (LION 2020), May 24-28, 2020 Athens, Greece
	Member of the Program Committee of **International Conference in Optimization and Learning** (OLA 2020) February 17-19, 2020, Cadiz, Spain.
	Member of the Program Committee of the **Sixth International Conference on Machine Learning, Optimization, and Data Science** (LOD 2020), July 19-22, 2020, Certosa di Pontignano, Siena, Tuscany, Italy.
2019	Member of the Program Committee of the **Simpósio Brasileiro de Pesquisa Operacional** (SBPO 2019). 2-6 September 2019, Limeira, Brazil
	Member of the Program Committee of **13th Metaheuristics International Conference** (MIC 2019), July 28-31, 2019, Cartagena, Colombia.
	Member of the Program Committee of International Symposium on Computer Architecture and High Performance Computing (SBAC-PAD), October 15-18 - Campo Grande, MS, Brazil.
	Member of the Program Committee of **International Symposium on Experimental Algorithms 2019** (HM2019), January 16-18, 2019, Concepción, Chile.
	Member of the Technical Program Committee of 13th Learning and Intelligent Optimization Conference (LION 2019), Chania, Crete, Greece, May 27-31, 2019
	Member of the Program Committee of **Hybrid Metaheuristics 2019** (SEA2019), July 24-29, 2019, Kalamata, Greece.
	Member of the Program Committee of the **Fifth International Conference on Machine Learning, Optimization, and Data Science** (LOD 2019), September 10-13, 2019, Certosa di Pontignano, Siena, Tuscany, Italy.
2018	Chair of the Organization Committee of the **Metaheuristic Workshop,** joint organized with BGSMath, February 21-23, 2018, Barcelona, Spain.
	Member of the Program Committee of 7th International **Workshop on Matheuristics** (Matheuristics 2018), June 18-20, 2018, Tours, France.
	Member of the Program Committee of the **Genetic and Evolutionary Computation Conference** (GECCO 2018), July 15-19, 2018, Kyoto, Japan.
	Member of the Program Committee of the **Simpósio Brasileiro de Pesquisa Operacional** (SBPO 2018). 6-9 August 2018, Rio de Janeiro, Brasil
	Member of the Program Committee of the XIII **Congreso Español de Metaheurísticas, Algoritmos Evolutivos y Bioinspirados (MAEB 2018)** (included in Conferencia de la Asociación Española para la Inteligencia Artificial) (CAEPIA 2018), Granada, España, October 23-26, 2018.
	Member of the Program Committee of The Fourth International Conference on **Machine Learning, Optimization and Data Science** (LOD 2018) Volterra, Tuscany, Italy, September 13-16, 2018.
	Member of the International Program Committee of **ICORES** 2018 (7th International Conference in Operations Research and Enterprise Systems (ICORES 2018), January 24-26, 2018, Funchal, Madeira, Portugal.
	Member of the Program Committee of the **Simulation Optimization Track** on the **2018 Winter Simulation Conference** (WSC 2018), December 9-12, 2018, Gothenburg, Sweden.
	Member of the Program Committee of 12th **Learning and Intelligent OptimizatioN Conference** (**LION 2018**), Kalamata, Greece, June 10-15, 2018
	Member of the Program Committee of **International Workshop on Optimization and Learning: Challenges and Applications** (OLA'2018), Alicante, Spain, February 26-28, 2018.
	Member of the Program Committee of **International Symposium on Big Data Management and Analytics** (BIDMA 2018), Calgary, Canada 24-25 April 2018.
2017	Chair of the Organization Committee of **12th Metaheuristics International Conference** (MIC 2017) and the **XII Metaheurísticas, Algoritmos Evolutivos y Bioinspirados** (MAEB 2017), July 4-7, 2017, Barcelona, Spain.
	Member of the Program Committee of Optimization 2017, September 6-8, 2017, Lisboa, Portugal.

	Member of the Program Committee of VNS2017 (**5th International Conference on Variable Neighborhood Search**), October 2-4, 2017, Ouro Preto, Brazil.
	Member of the Program Committee of DATA ANALYTICS 2017 (NexTech 2017) November 12 - 16, 2017 - Barcelona, Spain.
	Member of the Program Committee of International Symposium on **Foundations and Applications of Big Data Analytics** (FAB 2017), Sydney, Australia, August 01-03, 2017.
	Member of the International Program Committee of **ICORES** 2017 (6th International Conference in Operations Research and Enterprise Systems (ICORES 2017), February 23-25, 2017, Porto, Portugal.
	Member of the Program Committee of **Learning and Intelligent OptimizatioN Conference LION 11** (LION 2017), Nizhny Novgorod, Russia, June 19-21, 2017.
	Member of the Program Committee of **3rd Workshop on Machine Learning, Optimization and Big Data** (MOD 2017), Volterra, Tuscany, Italy, from September 17-21, 2017.
	Member of the Program Committee of **International Symposium on Big Data Management and Analytics** (BIDMA 2017), Calgary, Canada 17-18 April 2017.
2016	Member of the Program Committee of **Matheuristics 2016 - Sixth International Workshop on Model-based Metaheuristic** (Matheuristics 2016), Brussels, Belgium, September 4-7, 2016.
	Member of the Program Committee of **XI Congreso Español de Metaheurísticas, Algoritmos Evolutivos y Bioinspirados (MAEB 2016)** (workshop in **CEDI 2016 (V Congreso Español de Informática)** – track **XVII Conferencia de la Asociación Española para la Inteligencia Artificial)** (CAEPIA 2016), Salamanca, España, September 14-16, 2016.
	Member of the Program Committee of **International Symposium on Foundations and Applications of Big Data Analytics** (FAB 2016), UC Davis - Davis, CA, USA, August 20-21, 2016.
	Member of the Program Committee of **8th International Conference on Applied Operational Research -** ICAOR 2016, Rotterdam, The Netherlands, 28-30 June 2016.
	Member of the Program Committee of **Learning and Intelligent OptimizatioN Conference LION 10** (LION 2016), Ischia Island (Napoli), Italy, 29 May - 1 June, 2016
	Member of the Program Committee of **International Symposium on Big Data Management and Analytics** (BIDMA 2016), Calgary, Canada 25-26 April 2016.
	Member of the Program Committee of **Workshop on Machine Learning, Optimization and Big Data** (MOD 2016), Volterra, Tuscany, Italy, from August 26 to 29, 2016.
	Member of the Program Committee of **10th International Workshop on Hybrid Metaheuristics** (HM 2016), 8-10 June 2016, Plymouth, United Kingdom. (**Guest speaker**).
	Member of the Program Committee of the **XLVIII Simpósio Brasileiro de Pesquisa Operacional** (SBPO 2016). 2016, Brasil
	Member of the International Program Committee of **ICORES** 2016 (5th International Conference in Operations Research and Enterprise Systems (ICORES 2016), February 23-25, 2016, Rome, Italy.
2015	Member of the Program Committee of **II Jornadas sobre Algoritmos Evolutivos y Metaheuristicas** (JAEM 2015), Albacete, Spain, 9-12 November, 2015.
	Member of the Program Committee of **International Workshop on Machine learning, Optimization and Big Data** (MOD 2015), Taormina - Sicily, Italy, 21-24 July, 2015.
	Member of the Program Committee of **11th Metaheuristics International Conference** (MIC 2015), June 7-11, 2015, Agadir, Morocco.
	Member of the Program Committee of the **Simpósio Brasileiro de Pesquisa Operacional** (SBPO 2015). Agost 23-28, 2015, Porto de Galinhas, Pernambuco, Brasil
	Member of the Program Committee of the **International Symposium on Foundations and Applications of Big Data Analytics (FAB 2015)**, Paris, France Aug 27-28, 2015.
	Member of the International Program Committee of **ICORES** 2015 (4th International Conference in Operations Research and Enterprise Systems (ICORES 2015), January 10-12, 2015, Lisbon, Portugal.
	Member of the Program Committee of **X Spanish Congress in Metaheuristics, Evolutive and Bioinspired Algorithms** (MAEB'15), February 4-6, 2015, Mérida, Spain.
	Member of the Program, Proceedings and Registration Committee of **International Conference on Risk Analysis** ICRA6 / RISK 2015, May 26-29, 2015, Barcelona, Spain.
2014	**Co-Chair** of the Organization Committee of **20th Conference of the International Federation of Operational Research Societies**, July 13-18, 2014, Barcelona, Spain. (IFORS **2014**)
	Member of the Scientific Program Committee of **ICAOR 2014** (6th International Conference on Applied Operational Research (ICAOR 2014), July 29-30, 2014, Vancouver, Canada.

	Member of the International Program Committee of **ICORES** 2014 (3rd International Conference in Operations Research and Enterprise Systems (ICORES 2014), March 6-8, 2014, Angers, France.
	Member of the Program Committee of **Optimization** 2014, July 28-30, 2014, Guimarães, Portugal. (Optimization 2014)
2013	Member of the Program Committee of **4th International Conference on Computational Logistics**, September 25-27, 2013, Copenhagen, Denmark (ICCL 2013)
	Member of the Program Committee of **10th Metaheuristics International Conference**, August 5-8, 2013, Singapore. (MIC 2013)
	Member of the Program Committee of **8th International Workshop on Hybrid Metaheuristics**, May 23-25, 2013, Ischia Island (Napoli), Italy. (IWHM)
2012	Member of the Program Committee of **VIII Spanish Congress in Metaheuristics, Evolutive and Bioinspired Algorithms**, February 8-10, 2012, Albacete, Spain. (MAEB'12)
2011	Member of the Program Committee of **9th Metaheuristics International Conference**, July 25-28, 2011, Udine, Italy. (MIC 2011)
	Member of the Program Committee of **Optimization 2011**, July 24-27, 2011, Costa da Caparica, Lisboa, Portugal. (Optimization 2011)
	Member of the Technical Program Committee of the ECOM and Genetic Algorithms tracks at **Genetic and Evolutionary Computation Conference 2011 (GECCO)**, July 12-16, Dublin, Ireland.
	Member of the Program Committee of the **RCRA International Workshop 2011 (RCRA 2011)**, July 17-18, Barcelona, Spain.
2010	Member of the Program Committee of **V Spanish Congress in Metaheuristics, Evolutive and Bioinspired Algorithms** (MAEB'10), Valencia, Spain.
	Member of the Program Committee of the **Genetic and Evolutionary Computation Conference 2010 (GECCO)**, July 7-11, Portland, Oregon, USA.
	Member of the Program Committee of the **Combinatorial Optimization and Metaheuristics (COM) Track for the Genetic and Evolutionary Computation Conference 2010**, July 7-11, Portland, Oregon, USA.
	Member of the Program Committee of **9th International Symposium on Experimental Algorithms** (SEA 2010),May 20-22, Ischia Island, Napoli, Italy.

3. Other research activities.

EDITORIAL TEAM and PEER REVIEWER

- Open Mathematics: Topical Issue on "Metaheuristics: Methods and Applications, Editorial Board.
- Journal of Applied Operational Research (JAOR), Editorial Board
- Journal of Industrial Engineering and Management, Editorial Board (Production, Logistics, Quality, and Operational Research)
- Referee for International Transactions in Operational Research, European Journal of Operational Research, INFORMS Journal on Computing, Annals of Operations Research, Management Science, Operations Research, Computational Optimization and Applications, Journal of Heuristics, Journal of Scheduling, Journal of Metaheuristics, Omega-The International Journal of Management Science, Applied Soft Computing, Investigação Operacional and several Conference Proceedings.

THESIS ADVISOR

Ph.D.'s Dissertations

Expected July 2023	Laura Portell Title: *Mobility Optimization for Social Care Services* Department of Information and Communications Technologies, Universitat Pompeu Fabra, Spain
November 2020	Thays Oliveira Title: *Digital cities for development: connecting real, sustainable, smart and digital cities.* Department of Information and Communications Technologies, Universitat Pompeu Fabra, Spain(co-adviser with Prof. Miquel Oliver)
January 27, 2020	Marcelus Fabri Title: *Optimizing the in-house material flow in a car assembling factory*

	Department of Information and Communications Technologies, Universitat Pompeu Fabra, Spain (https://www.tdx.cat/handle/10803/668492)
February 2013	Pedro Portugal de Sousa Nunes Title: *Modelos Regret aplicado a Problemas de Localização (Regret models applied to Location Problems)* Department of Economics and Business, University of the Azores, Portugal. (co-adviser with Prof. Francisco Silva)
January 2009	Susana Isabel de Matos Fernandes Title: *Optimised Search Heuristics: Combining Metaheuristics and Exact Methods to solve Scheduling Problems* Department of Mathematics, University of Algarve, Portugal.
September 2008	José Fernando Alvarez Title: *Optimization Algorithms for Maritime Terminal and Fleet Management* Department of Economics and Business, Universitat Pompeu Fabra, Spain (https://www.tdx.cat/handle/10803/7366)
March 2006	Deolinda Maria Lopes Dias Rasteiro Title: *Optimização em redes com Parâmetros Aleatórios (Network Optimization with Random Parameters)* Mathematics Department, University of Aveiro, Portugal (co-adviser).
February 2006	Rita Portugal Title: *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)* Department of Statistics and Operations Research, University of Lisbon, Portugal. (co-adviser with Prof. José Pinto Paixão)
January 2006	Juan Pablo Soto Title: *Reverse Logistics: Models and Application*s Department of Economics and Business, Universitat Pompeu Fabra, Spain. (https://www.tdx.cat/handle/10803/7338)
March 2004	Rita Ribeiro Title: *Integrated distribution management problems: an optimization approach* Department of Economics and Business, Universitat Pompeu Fabra, Spain.

4. TEACHING

TEACHING EXPERIENCE

1997 - present	**Department of Economics and Business, Universitat Pompeu Fabra** • Quantitative Methods for Management (undergrad course) • Business Logistics (undergrad course) • Operations Management (Full-time MBA) • Supply Chain Management (Full-time MBA) • Logistics (Master's and Ph.D. course) • Commercial Distribution (undergrad course) • Operations Research (undergrad course) • Production and Operations Management (undergrad course) • Organization and Methods (undergrad course)
2016	**Politecnico de Milano, Italy** **Dipartimento di Elettronica, Informazione e Bioingegneria (DEIB)** • Integer Linear Programming and Scheduling. PhD course.
1997 - present	**Barcelona School of Management** (previously Institut de Educació Continua (IDEC)), Universitat Pompeu Fabra, Spain. Collaboration in the following programs: • Master of Science in IC Strategic Mangement (Official Master) • Applied Economic Analysis (Masters) • Business Logistics (Masters) • Economy of Health and Sanitation Management (Masters)

	• International e-business (Masters) • Logistics Management (Masters) • Marketing (Masters and Executive Masters) • MBA Part-Time (Masters) • MBA Full-Time (Masters) • Business Management (University Postgraduate Diploma) • Property Planning and Administration (University Postgraduate Diploma) • Business with Latin America (University Postgraduate Diploma)
1988 - 1996	Department of Statistics and Operations Research, Faculdade de Ciências, University of Lisbon, Portugal. • Combinatorial Models (Masters course) • Heuristics Techniques (Masters course) • Operations Research Models (Masters course) • Combinatorial Optimization (undergrad course) • Introduction to Operations Research (undergrad course) • Operations Research Project (undergrad course)
1989 - 1991	School of Operations Research and Industrial Engineering, Cornell University, USA. Teaching Assistant. • Graph Theory and Network Flows (Ph.D. course) • Discrete Optimization (undergrad course) • Optimization I (undergrad course)
	Courses "in-company" in the following companies: • Banco Sabadell, Spain • Caixa de Manresa, Spain • CINESA, Spain • DAMM, Spain • Danone, Spain • EDP, Portugal • Navision, Spain

TEACHING PUBLICATIONS

- **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.

- **Lourenço H.R.** (2004) "Teaching Metaheuristics in Business Schools" in AIRO News, IX, n.1, Spring, pp. 4-7.

5. SERVICE

SERVICE at Universitat Pompeu Fabra

2020-2023	Member of the FWO Review College. Research Foundation - Flanders (FWO) (https://www.fwo.be/en/)
2020- present	Member of the Advisory council of the Operations, Technology and Science area, Barcelona School of Management, Universitat Pompeu Fabra, Spain.
2019 - present	Member of the Centre Board of the of the Economics and Business Department, Universitat Pompeu Fabra, Spain.
2018 – present	Member of the Research Committee of the Economics and Business Department, Universitat Pompeu Fabra, Spain. President in year 2019-2020.
2017 - 2019	Member of the Teaching Committee of the Economics and Business Department, Universitat Pompeu Fabra, Spain.
11/2017 – 11/2018	Member of the CIREP (UPF) – Internal Committee of Ethical Review of Projects

10/2015 – 7/2018	Member of the Recruiting Committee; Economics and Business Department, Universitat Pompeu Fabra, Spain.
20/2011 – 1/2014	Co-Director of the Master in ICT Strategic Management, Barcelona Business School, Universitat Pompeu Fabra.
10/2009 – 6/2010	Member of the Recruiting Committee; Economics and Business Department, Universitat Pompeu Fabra, Spain.
10/2002 – 09/2007	Vice-Dean (vice-decana) of Economics and Institutional Relations of the School of Economics and Business (Facultat de Ciències Econòmiques i Empresarials), Universitat Pompeu Fabra, Spain.
03/2005	Teaching Evaluation Commission, Department of Economy and Business, Universitat Pompeu Fabra, Spain.
04/2004	Teaching Evaluation Commission, Department of Economy and Business, Universitat Pompeu Fabra, Spain.
01/2003 – 05/2004	MBA Student Admissions and Evaluation Committee, Universitat Pompeu Fabra, Spain.
09/2002 – 07/2003	Member of the Recruiting Committee, Department of Economy and Business, Universitat Pompeu Fabra, Spain.
03/2002 – 10/2002	Sub-director of the Department of Economy and Business, Universitat Pompeu Fabra, Spain.
06/2000 – 11/2000	Academic coordinator of the undergraduate program "Business Logistics" at Escola Universitària d'Estudis Empresarials del Maresme, Spain. Nominated by Universitat Pompeu Fabra.

OTHER ACTIVITIES

Regular Reviewer for the Agencies:	Catalan University Quality Assurance Agency, AQU Catalunya, Generalitat de Catalunya, Spain (http://www.aqu.cat/index_en.html) Agency for Management of University and Research Grants (AGAUR), Generalitat de Catalunya, Spain (http://agaur.gencat.cat/en/inici/index.html) Agencia Estatal de Investigación, Ministry of Science and Innovation, Government of Spain, Spain, http://www.ciencia.gob.es/
01/2018 – present	Member of the Steering Committee of the Centro de Estudos de Economia Aplicada do Atlântico (CEEAplA)
05/2015 – present	Membre assessor de la Comissió específica de Ciències Socials de la Comissió de Professorat Lector i Professorat Col·laborador, Agència per a la Qualitat del Sistema Universitari de Catalunya (AQU).
2008 – present	Evaluator for ANEP
07/2008 – present	Evaluator for L'Agència de Gestió d'Ajuts Universitaris i de Recerca (AGAUR), Generalitat de Catalunya.
11/2006 – 12/2009	Membre assessor de la Comissió específica de Ciències Socials de la Comissió de Professorat Lector i Professorat Col·laborador, Agència per a la Qualitat del Sistema Universitari de Catalunya (AQU).
08/2003 – 10/2003	Peer Reviewer for the Dutch Social Science Research Council, The Nederland.
05/2002 – 07/2002	Member of the Grant Review Committee, Ministry for Education, Italy.
12/2001 – 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 – 01/1997	Vice-President of The Portuguese Operations Research Society (APDIO).

6. OTHER RELEVANT INFORMATION

ASSOCIATIONS MEMBERSHIP

INFORMS	Institute for Operations Research and Management Science. www.informs.org
APDIO	Portuguese Operations Research Society. (Vice-president 1995-1997). www.apdio.pt/
IAPHL	International Association for Public Health Logisticians. https://iaphl.org/

LANGUAGES

Portuguese (mother language), English (advanced), Spanish (advanced) and Catalan (basic).