

# Francisco Saldanha da Gama

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## *Curriculum Vitae (Synthesis)*

### Personal information

Occupation : Professor, Sheffield University Management School  
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: <https://fsaldanhadagama.wixsite.com/fsgama>  
Date of Birth : October 7, 1968  
Citizenship : Portuguese  
Languages : Portuguese (native), English (proficient), Spanish(proficient), French (conversational)  
Researcher : ORCID: [orcid.org/0000-0002-2074-1856](https://orcid.org/0000-0002-2074-1856)  
Scopus Author ID: 22935365300  
Researcher ID: K-7584-2012

### Education

2018 Habilitation, Statistics and Operations Research, University of Lisbon, Portugal.  
2002 Ph.D., Statistics and Operations Research, University of Lisbon, Portugal.  
1994 M.Sc., Statistics and Operations Research, University of Lisbon, Portugal.  
1991 B.Sc., Statistics and Operations Research, University of Lisbon, Portugal.

### Employment

2023– Chair in Supply Chain Management, Sheffield University Management School.  
2020–2023 Habil. Associate Professor, Faculty of Science, University of Lisbon, Portugal.  
2018–2020 Habil. Assistant Professor, Faculty of Science, University of Lisbon, Portugal.  
2002–2018 Assistant Professor, Faculty of Science, University of Lisbon, Portugal, (tenure since 2007).  
1995–2002 Teaching Assistant, Faculty of Science, University of Lisbon, Portugal.  
1995–1996 Teaching Assistant, ISLA-Lisboa (currently European University), Lisbon, Portugal.  
1993–1995 Teaching Assistant, Faculty of Engineering, Technical University of Lisbon.  
1991 Trainee, Department of Development and Planning, Portugal Telecom, Lisbon, Portugal.

### Administrative positions

2025– Head of the Operations Management and Decision Sciences Division, Sheffield University Management School.  
2023– Head of SOLARC— Supply Chain, Logistics and Operations Applied Research Centre, Sheffield University Management School.

2019–2021	Program Director, BSc program in Applied Mathematics, Faculty of Science, University of Lisbon, Portugal.
2009–2012	Vice-president, Department of Statistics and Operations Research, Faculty of Science, University of Lisbon, Portugal.
2007–2011	Co-Coordinator, EWGLA—The EURO Working Group on Locational Analysis.
2003–2009	Member of the Executive Board, Operations Research Center, University of Lisbon, Portugal.

## Teaching—Overview

In the two decades has accumulated a large experience by designing and teaching disciplines, at the undergraduate and postgraduate levels in different universities and countries, focusing in Logistics, Supply Chain Management, Operations Research, Operations Management, Decision Making under Uncertainty, Multicriteria Decision Making, Applied Statistics, Sampling Techniques, Forecasting, Quality Control, Decision Theory, Scheduling, and Revenue Management. In most cases, has prepared all the material (slides for lecturing, collections of exercises, homework or individual assignments, case studies, laboratory classes, tutorials for problem-solving using a computer, written exams, and web-based platforms to support teaching).

- Analysis for Decision Making.
- Business Statistics.
- Dynamic Programming.
- Linear Optimization.
- Logistics.
- Multicriteria Optimization.
- Multivariate Statistical Analysis.
- Network Modeling and Optimization.
- Operations Management.
- Operations Research Models.
- Operations Research Techniques.
- Operations Research.
- Optimization.
- Probability and Statistics for Engineers and Scientists.
- Production Planning and Scheduling.
- Sampling Techniques.
- Stochastic Modeling and Optimization.

## Teaching (University of Sheffield Management School, 2023–)

- MGT223 “Business Statistics”, Accounting and Financial Management BA, Business Management BA, International Business Management with Study Abroad BA, Spring 2024, Spring 2025.
- MGT138 “Analysis for Decision Making”, Accounting and Financial Management BA, Business Management BA, International Business Management with Study Abroad BA, Autumn 2023, Autumn 2024, Autumn 2025.

## Teaching (University of Lisbon 2002–2023)

- “Economia e Gestão” (Economics and Management), Undergraduate programs in Statistics and Operations Research, Geographical Engineering, Physics Engineering and Geophysics, Spring 2005.
- “Introdução à Investigação Operacional” (Introduction to Operations Research), Undergraduate programs in Probability and Statistics and Statistics and Operations Research, Spring 2003, Spring 2004, Spring 2005, Spring 2006.
- “Introdução à Investigação Operacional” (Introduction to Operations Research), Undergraduate program in Informatics and Information and Communication Technology, Autumn 2002, Autumn 2003, Autumn 2004, Autumn 2005, Autumn 2006, Autumn 2007, Autumn 2009, Autumn 2010, Autumn 2011, Autumn 2012, Autumn 2013, Autumn 2014, Autumn 2015, Autumn 2016, Autumn 2018, Autumn 2019, Autumn 2020, Autumn 2021.
- “Investigação Operacional” (Operations Research), Undergraduate program in Mathematics and Applied Mathematics, Spring 2007, Spring 2008, Spring 2010, Spring 2011, Spring 2012, Spring 2013, Spring 2014, Spring 2015, Spring 2016, Spring 2017, Spring 2019, Spring 2020, Spring 2021, Spring 2022.
- “Optimização Multiobjectivo” (Multicriteria Optimization), Undergraduate program in Statistics and Operations Research, Autumn 2004.
- “Projecto de Investigação Operacional I e II” (Operations Research Project), Undergraduate program in Statistics and Operations Research, Autumn 2003, Spring 2004, Autumn 2004, Spring 2005, Autumn 2005, Spring 2006, Autumn 2006, Spring 2007.
- “Técnicas de Investigação Operacional” (Operations Research Techniques), Undergraduate program in Applied Statistics, Spring 2010, Spring 2011, Spring 2012, Spring 2013, Spring 2014, Spring 2015, Spring 2016, Spring 2017, Spring 2019, Spring 2020, Spring 2021, Spring 2022.
- “Gestão de Operações” (Operations Management), Master program in Operations Research, Autumn 2007, Autumn 2009.
- “Logística” (Logistics), Master program in Statistics and Operations Research, Autumn 2015.
- “Logística e Gestão de Operações II” (Logistics and Operations Management), Master program in Statistics and Operations Research, Autumn 2019, Autumn 2020, Autumn 2021.
- “Modelação e Optimização Estocástica” (Stochastic Optimization and Modeling), Master program in Statistics and Operations Research, Spring 2012, Spring 2013, Spring 2014, Spring 2015, Spring 2016, Spring 2017, Spring 2019, Spring 2020, Spring 2021, Spring 2022.
- “Modelos Estocásticos” (Stochastic Models), Master program in Operations Research, Autumn 2007, Autumn 2009, Autumn 2010, Autumn 2010.
- “Planeamento de Produção e Sequenciamento de Tarefas” (Production Planning and Scheduling), Master program in Operations Research, Spring 2002, Spring 2003, Spring 2004, Spring 2005, Spring 2006, Spring 2007.
- “Processos de Previsão e Decisão” (Decision and Forecast Processes), Master program in Statistics and Operations Research, Spring 2012.

- “Programação Dinâmica” (Dynamic Programming), Master program in Operations Research, Autumn 2004.
- “Programação Linear e Extensões” (Linear Programming and its Extensions), Master program in Operations Research, Autumn 2004.
- “Simulated Annealing”, Master program in Operations Research, Spring 2004, Spring 2005, Spring 2006, Spring 2007, Spring 2008, Spring 2010, Spring 2011.
- “Simulated Annealing”, Master program in Information Management, Autumn 2011, Autumn 2012, Autumn 2012, Autumn 2013, Spring 2014.
- “Simulated Annealing”, Master program in Statistics and Operations Research, Autumn 2012, Autumn 2012, Autumn 2013, Autumn 2014, Spring 2015, Spring 2016, Spring 2017, Spring 2019, Spring 2020, Spring 2021, Spring 2022.

## Teaching (as a graduate teaching assistant, University of Lisbon, 1995–2002)

- “Introdução à Investigação Operacional” (Introduction to Operations Research), Undergraduate programs in Probability and Statistics and Statistics and Operations Research, Autumn 1995, Autumn 1996, Autumn 2000.
- “Investigação Operacional I” (Operations Research - Advanced Models and Techniques), Undergraduate programs in Statistics and Operations Research, Autumn 1996, Autumn 1997.
- “Modelos de Investigação Operacional” (Operations Research Models), Undergraduate program in Informatics, Autumn 1995, Autumn 1996.
- “Optimização” (Optimization), Undergraduate programs in Probability and Statistics and Statistics and Operations Research, Spring 1995, Spring 1996, Spring 1997.
- “Optimização em Redes” (Network Optimization), Undergraduate programs in Probability and Statistics and Statistics and Operations Research, Autumn 2000.

## Teaching (as a graduate teaching assistant, Technical University of Lisbon, 1991–1993)

- “Amostragem” (Sampling Techniques), Undergraduate program in Mathematics, Autumn 1993, Autumn 1994.
- “Modelos multivariados” (Multivariate Statistical Models), Undergraduate program in Mathematics, Autumn 1994.
- “Probability and Statistics” (Probability and Statistics), Undergraduate programs in Engineering, Autumn 1993, Spring 1994.

## Invited short courses

- “Network Design and Optimization: Building Blocks for Capturing Uncertainty”, 3 hours, IMUS—Instituto de Matemáticas, Universidad de Sevilla, Seville, Spain, November 4, 2025.

- “Stochastic Modeling and Optimization”, 20 hours, School of Economics and Management, University of Chinese Academy of Sciences, Beijing, China, July 8–12, 2024.
- “Interior-Point Methods and Discrete Facility Location Problems: Where do they meet?”, 4 hours, School of Economics and Management, University of Chinese Academy of Sciences, Beijing, China, July 17 and 18, 2021, video-conference course.
- “Discrete Optimization and Network Design (Optimización discreta en diseño de redes”, 10 hours, PhD course, University of Cadiz, Spain, jointly organized with Elena Fernández (University of Cadiz), March 4 and 5, 2021, video-conference course.
- “Location Science”, 4 hours, School of Economics and Management, University of Chinese Academy of Sciences, Beijing, China, August 13 and 14, 2020, video-conference course.
- “Logistics Network Design: capturing uncertainty and risk”, 5 hours, 8th Winter School on Network Optimization, Estoril, Portugal, January 14–18, 2019.
- “Stochastic Programming with Applications to Logistics”, 8 hours. IMUS—Institute for Mathematics, University of Seville, October, 27–31, 2014. Module of a course planned in the context of the PhD in Mathematics at the University of Seville.
- “Stochastic Programming with Applications to Logistics”, 9 hours. IMUS—Institute for Mathematics, University of Seville, October, 16–18, 2018. Module of a course planned in the context of the PhD in Mathematics at the University of Seville.
- “Metodologias de Apoio à Decisão na Área das Ciências Agrárias – Considerações sobre risco e incerteza” (in Portuguese), 6 hours. Instituto Superior de Agronomia, Universidade Técnica de Lisboa, June, 26–27, 2014.
- “Stochastic Programming: Models and Methods”, 14 hours, Karlsruhe Institute of Technology, Karlsruhe, Germany, November 26–28, 2013.
- “Robust network design problems: methods and applications”, 4 hours. Faculty of Mathematics, University of Seville, October, 25–26, 2012.
- “Metodologias de Apoio à Decisão na Área das Ciências Agrárias – Considerações sobre risco e incerteza” (in Portuguese), 6 hours. Instituto Superior de Agronomia, Universidade Técnica de Lisboa, June, 29 and July, 2, 2012.
- “Programação Estocástica—Uma breve introdução” (in Portuguese), 5 hours. Faculdade Ciências e Tecnologia, Universidade Nova de Lisboa, June 8, 2011.
- “Programação Estocástica—Uma breve introdução” (in Portuguese), 5 hours. Universidade de Trás-os-Montes e Alto-Douro, Vila-Real, October 29, 2010.

## Prizes and distinctions

2024	Best Paper Award, OMEGA International Journal of Management Science, Yuchen Li, Ming Liu, Francisco Saldanha-da-Gama, Zaoli Yang, “Risk-averse two-stage stochastic programming for assembly line reconfiguration with dynamic lot sizes”, <a href="https://doi.org/10.1016/j.omega.2024.103092">https://doi.org/10.1016/j.omega.2024.103092</a> .
2024	Certificate of appreciation for the dedication and service as member of the Scientific Committee of CLAIO XXII/CSMIO XII—Latin-Iberian-American Conference on Operations Research/Conference of the Mexican Society of Operations Research, Guadalajara, Mexico, October 28–November 1, 2024.
2024	Fellow of the President of the Chinese Academy of Sciences International Initiative.

- 2023 Best Paper Award, OMEGA International Journal of Management Science, Laura Anton-Sanchez, Mercedes Landete, Francisco Saldanha-da-Gama, "The discrete  $p$ -center location problem with upgrading", <https://doi.org/10.1016/j.omega.2023.102894>.
- 2021 Silver Employer Award, Faculty of Science, University of Lisbon, Portugal.
- 2020 Roger-Charbonneau Prize, HEC Montreal, Quebec, Canada, awarded to the book G. Laporte, S. Nickel, F. Saldanha-da-Gama (editors), "Location Science", Springer International Publishing, second edition, <https://www.hec.ca/en/news/2020/2020-research-teaching-awards.html>.
- 2017 Selected article for the 40th anniversary commemorative edition of the European Journal of Operational Research: "40 influential papers in the history of EJOR", <https://www.sciencedirect.com/journal/european-journal-of-operational-research/about/news>.
- 2014 Certificate of appreciation for the dedication and service as member of the Scientific Committee of CLAIO XVII/CSMIO III—Latin-Iberian-American Conference on Operations Research/Conference of the Mexican Society of Operations Research, Monterrey, Mexico, October 6–10, 2014.
- 2012 Elsevier "EJOR Top cited article 2007–2011".
- 2012 EURO "Best EJOR Review Paper", <https://www.euro-online.org/web/pages/1549/previous-winners>.
- 1995 Laureate at the Twelfth EURO Summer Institute, Tenerife, Spain.

## Research Grants and Scientific Projects

- 2024–2025 "Development of a strong decision support tool for hedging against uncertainty when making decisions in the context of humanitarian supply chain design".  
Chinese Academy of Sciences President's International Fellowship Initiative.
- 2023–2026 "Advanced techniques for the optimization and evaluation of resources".  
Grant funded by the Ministry of Economy and Competitiveness, Spain.  
International Researcher for advanced models and techniques in project scheduling.
- 2020–2023 "Optimization and evaluation of resources: methodological and computational advances and applications".  
Grant funded by the Ministry of Economy and Competitiveness, Spain.  
International Researcher for advanced models and techniques in project scheduling and facility location.
- 2020–2023 "UIDB/04561/2020 and UIDP/04561/2020"—Centro de Matemática, Aplicações Fundamentais e Investigação Operacional.  
Grant funded by the Portuguese Science Foundation.
- 2019–2021 "Optimización Matemática y Combinatoria en Redes".  
Grant funded by the Ministry of Economy and Competitiveness, Spain.  
International Researcher for the development of models and solution techniques for stochastic network optimization with an emphasis on facility location and supply chain management.
- 2019–2021 "Análisis y resolución de problemas de rutas de vehículos y localización de servicios".  
Grant funded by the Ministry of Economy and Competitiveness, Spain.  
International Researcher for supply chain network design under uncertainty.

- 2019 “UID/MAT/04561/2019”—Centro de Matemática, Aplicações Fundamentais e Investigação Operacional.  
Grant funded by the Portuguese Science Foundation.
- 2017–2021 Project “Sequentielles Entscheiden bei systeminhärenter Unsicherheit: Mathematische Optimierungsverfahren für zeitdynamische Anwendungen”, in German (Time-dependent decisions under uncertainty: optimization models and methods).  
Team project funded by the Deutsche Forschungsgemeinschaft (DFG)—Project 354864080, Karlsruhe Institute of Technology, Karlsruhe, Germany.  
Consultant Researcher for optimization under uncertainty.
- 2017–2019 Thematic Network “Location and Related Problems”.  
Grant funded by the Ministry of Economy and Competitiveness, Spain.  
International Researcher for supply chain network design under uncertainty.
- 2017, 2018 Project SFRH/BSAB/130291/2017.  
Grant for a sabbatical period abroad funded by the Portuguese Science Foundation.
- 2016–2019 “DO-ILT: Optimización discreta para problemas integrados en logística y transporte”.  
Grant funded by the Ministry of Economy and Competitiveness, Spain.  
International Researcher for advances in supply chain network design.
- 2015–2018 “UID/MAT/04561/2013”—Centro de Matemática, Aplicações Fundamentais e Investigação Operacional.  
Grant funded by the Portuguese Science Foundation.
- 2015, 2016 “Embedding Risk in Supply Chain Network Design Problems”, FCT-DAAD Portuguese-German bilateral project.  
Grant funded by the Portuguese Science Foundation.
- 2014–2016 Thematic Network “Location and Related Problems”.  
Grant funded by the Ministry of Economy and Competitiveness, Spain.  
International Researcher for supply chain network design under uncertainty.
- 2012–2015 “OPTIMOS3: Modelos y métodos de Programación Matemática y sus aplicaciones”.  
Grant funded by the Ministry of Economy and Competitiveness, Spain.  
International Researcher for supply chain network design.
- 2011–2013 Thematic Network “Location and Related Problems”.  
Grant funded by the Ministry of Economy and Competitiveness, Spain.  
International Researcher for supply chain network design.
- 2009–2012 “OPTIMOS2: Modelos y métodos de Programación Matemática y sus aplicaciones”.  
Grant funded by the Ministry of Economy and Competitiveness, Spain.  
International Researcher for supply chain network design.
- 2009, 2010 “Robust Supply Chain Network Design: New optimization models and solution methods.”,  
FCT-DAAD Portuguese-German bilateral project.  
Grant funded by the Portuguese Science Foundation.
- 2008 Project SFRH/BSAB/799/2008.  
Grant for a sabbatical period abroad funded by the Portuguese Science Foundation.
- 1995–2014 Projects PRAXIS/2/2.1/MAT/139/94 and POCTI-ISFL-1-152—Centro de Investigação Operacional.  
Grant funded by the Portuguese Science Foundation..  
Role in the project: PhD student and Assistant Researcher.

1991–1993 Project 10/1991-07/1993.  
Grant as an MSc student funded by Junta Nacional de Investigação Científica e Tecnológica (JNICT), Portugal—Current Portuguese Science Foundation.

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## Knowledge transfer / Projects with the Industry

- 2018–2021 **Planning for sheltering at the Turkish Red Crescent.**  
Joint project with Bahar Kara (Bilkent University, Ankara, Turkey) and the Turkish Red Crescent, as part of a series of preparedness measures aiming at hedging against the consequences of a large earthquake in Istanbul that is expected sooner or later, with unpredictable consequences.  
*Underpinning research outputs:*  
Omer Burak Kinay, Bahar Y. Kara, Francisco Saldanha-da-Gama, Isabel Correia, “Modeling the shelter site location problem using chance constraints: A case study for Istanbul”, *European Journal of Operational Research* 270, 132–145, 2018.  
Omer Burak Kinay, Francisco Saldanha-da-Gama, Bahar Y. Kara, “On multicriteria chance-constrained capacitated single-source discrete facility location problems”, *Omega* 83, 107–122, 2019.
- 2011 **Project scheduling and management at Lageton, Engenharia e Empreendimentos, Lda.**  
The project was developed in the context of an MSc thesis in collaboration with the Company Lageton — Engenharia e Empreendimentos, Lda. The budget established for the construction project was 7.000.000 Euros.  
Cash management decisions were embedded in a project scheduling problem seeking a trade-off between time and cost. A computational system was developed not only for finding an optimal initial plan (including resource management), but also for mitigating in the best possible way any sudden delay/disruption due to unexpected events. Aspects such as negative time lags and due dates for some activities led to several insightful breakthroughs in the field of project scheduling.  
*Underpinning research outputs:*  
Isabel Correia, Lídia Lampreia-Lourenço, Francisco Saldanha da Gama, “Project scheduling with flexible resources: formulation and inequalities”, *OR Spectrum*, 34, 635–663, 2012.
- 2010 **Optimal replenishment policies for ATMs at Widescope.**  
Joint Project with Isabel Correia (New University of Lisbon) and the Company Widescope ([www.widescope.pt](http://www.widescope.pt)) for the Company SIBS (Sociedade Interbancária de Serviços, <http://www.sibs.com>).  
The problem’s relevance stems from the need to reach a trade-off between cash shortage and immobilization, minimizing both. The resulting time-dependent inventory problem under uncertainty was formulated and solved using dynamic programming. A computational system was developed to collect daily information and decide the best replenishment policy for the following day. Currently, several thousand ATMs in Portugal are operated using the system developed in this Project.  
This project resulted from my teaching experience in Dynamic Programming and Inventory Management.

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## Editorial work

- Editor-in-Chief, *Computers & Operations Research* (since 2016).
- Member of the Editorial Board *INFORMS Journal on Computing* (since 2025).
- Member of the Editorial Board, *Transportation Research Part E: Logistics and Transportation Review*

(since 2025).

- Member of the Editorial Board, *Omega, The International Journal of Management Science* (since 2025).
- Member of the Editorial Board, *International Journal of General Systems* (since 2023).
- Member of the Editorial Board, *Algorithms* (since 2021).
- Member of the International Editorial Advisory Board, *Journal of The Operational Research Society, UK* (since 2020).
- Consulting Editor of *Social Sciences & Humanities* (since 2019).
- Member of the Editorial Advisory Board, *Operations Research Perspectives* (since 2016).
- Area Editor, *Computers & Operations Research* (2013–2015).
- Member of the Editorial Advisory Board, *Computers & Operations Research* (2008–2012).
- Has reviewed several hundred papers for more than 20 scholarly journals in areas such as Operations Research and Management Science, Transportation, Logistics, Production and Operations Management, Optimization, and Business and Management.

## Supervision of Postgraduate Students—PhD

1. Pritam Kumar Patro, “Machine Learning/AI-driven Approaches to Enhance Sustainability and Resiliency in Compound Semiconductor Manufacturing Supply Chains”, Sheffield University Management School, (2025–).
2. Jue Huang, “Capacitated Facility Location Problem Incorporating Uncertainty and Environmental Sustainability”, Sheffield University Management School, (2024–).
3. Afaf Aloullal, “Multi-period stochastic programming models and techniques for logistics distribution systems”, Polytechnic University of Hauts-de-France, Valenciennes, France, jointly supervised with Raca Todosijevic, 2020–2025.
4. Tianqi Liu, “Distributionally Robust Facility Location Problems”, University of Chinese Academy of Sciences, 2023, co-supervised with Shuming Wang (School of Economics and Management, University of Chinese Academy of Sciences).
5. Bowen Zhang, “Data-Driven Facility Location and Repositioning Optimization of Free-Floating Bike-Sharing Systems”, Beijing University of Chemical Technology, 2023, co-supervised with Xiang Li (School of Economics and Management, Beijing University of Chemical Technology, Beijing, China).
6. Antonio Diglio, “Spatial organization of public services: models and applications”, Università degli Studi di Napoli Federico II, 2019, co-supervised with Giuseppe Bruno (Università degli Studi di Napoli Federico II) and Stefan Nickel (Karlsruhe Institute of Technology).
7. Bernardo Ferreira de Almeida, “Multi-skill resource-constrained project scheduling problems: models and algorithms”, Faculty of Science, University of Lisbon, Portugal, 2018, co-supervised with Isabel Correia (Faculty of Science and Technology, New University of Lisbon, Caparica, Portugal).
8. Hans-Peter Ziegler, “Algorithms for linear stochastic programs and their application in supply chain network design problems”, KIT—Karlsruhe Institute of Technology, Germany, 2011, co-supervised with Stefan Nickel (Karlsruhe Institute of Technology, Germany).

The thesis received the SOLA-Air Products Dissertation Award Honorable mention in the INFORMS meeting held in San Francisco, USA, November 2014.

## Supervision of Postgraduate Students—MSc

1. Zikai Wang, “The Role of Reverse Factoring in Improving SMEs’ Operational Performance: Evidence from the European Automotive Supply Chain”, Sheffield University Management School, 2025.
2. Yuxuan Wang, “Social media marketing and consumer behaviour in the United Kingdom sportswear market: an AIDA-based analysis of Nike and Adidas across Instagram, TikTok and X”, Sheffield University Management School, 2025.
3. Yun Chiao Hung, “Transforming Procurement through Digital Innovation: The Role of Big Data in Supplier Performance and Demand Forecasting”, Sheffield University Management School, 2025.

4. Xinyuan Zhang, "Assessing the Impact of Big Data–Driven Personalized Recommendations on Consumer Purchase Intentions: A Thematic Literature Review", Sheffield University Management School, 2025.
5. Xinrui Zhao, "Optimization of logistics and supply chain management in the Digital Age", Sheffield University Management School, 2025.
6. Xingtang Tuo, "How Digital Platforms Go Global: Key Factors Influencing Their International Expansion", Sheffield University Management School, 2025.
7. Mengdie Qian, "The Impact of Performance Management Systems on Employee Productivity and Job Satisfaction: A Case of the Chinese Retail Industry", Sheffield University Management School, 2025.
8. Hanzhi Cai, "Building Resilience and Complexity in Uncertainty: A Comparative Analysis of Apple and OPPO's Digital Technology-Driven Resilience Enhancement", Sheffield University Management School, 2025.
9. Junyao He, "The Role of AI, IoT, and Blockchain in Optimizing Logistics", Sheffield University Management School, 2025.
10. Yuejia Sun, "The Integration of Corporate Social Responsibility (CSR) Within International Business Strategies", Sheffield University Management School, 2025.
11. Jialuo Liu, "Navigating the Digital Frontier: Marketing Challenges and Opportunities for Whisky Brands from Chinese Consumers' Perspectives", Sheffield University Management School, 2024.
12. Carlos Andre Cabieses Matos, "From manual to automatized order picking system (OPS): the role and evaluation of automation in warehouses", Sheffield University Management School, 2024.
13. Ana Wemans, "A Heuristic Approach for a Multi-Period Capacitated Single-Allocation Hub Location Problem", University of Lisbon, 2016.
14. Eliana Fernandes, "A heuristic approach for capacitated single allocation hub location problems", University of Lisbon, 2015.
15. Marta Miranda, "Optimização da Produção em Obra" (in Portuguese), University of Lisbon, 2011.
16. Leão Fernandes, "Elaboração de um plano de contingência para os sistemas de informação de um parque de combustíveis" (in Portuguese), University of Lisbon, 2007.
17. Pedro Machado, "Estimação do valor óptimo de um problema de Job-Shop Scheduling" (in Portuguese), University of Lisbon, 2006.
18. Margarida Silva, "Métodos exactos para a resolução de um problema de phase-in/phase-out multi-periódico para localização de serviços com capacidade" (in Portuguese), University of Lisbon, 2005.

## Bibliometrics

Web of Science 65 entries; 3750 citations; h-index=29.

Scopus 69 entries; 4636 citations; h-index=31.

Google Scholar 128 entries; 8901 citations; h-index=39.

Member of the 2025 Stanford/Elsevier Top 2% Scientists List ([https://topscinet.com/scientist\\_profile/Saldanha-da-Gama,%20Francisco%20S./1998/?stype=single\\_year](https://topscinet.com/scientist_profile/Saldanha-da-Gama,%20Francisco%20S./1998/?stype=single_year)).

## Books

4. Francisco Saldanha-da-Gama, Shuming Wang, "Facility Location Under Uncertainty", Springer, 525 pages.
3. Gilbert Laporte, Stefan Nickel, Francisco Saldanha-da-Gama (editors), "Location Science", Springer, 2019, 2nd edition, 767 pages.
2. Gilbert Laporte, Stefan Nickel, Francisco Saldanha-da-Gama (editors), "Location Science", Springer, 2015, 644 pages.
1. Ana Paias, Francisco Saldanha-da-Gama (editors), "EURO Winter Institute on Location and Logistics, Collection of papers", ISBN 978-989-20-0489-1, Centro de Investigação Operacional (Operations Research

Center), University of Lisbon, 2007.

## Book chapters

12. Francisco Saldanha-da-Gama, "Facility Location in Supply Chain Operations", *Encyclopedia in Operations Management*, Elsevier (to be printed in 2026), <https://doi.org/10.1016/B978-0-443-28993-4.00050-0>.
11. Maria Albareda-Sambola, Elena Fernández, Francisco Saldanha-da-Gama, "Some heuristic methods for discrete facility location with uncertain demands", in H.A. Eiselt and Vladimir Marianov (editors), *Uncertainty in Facility Location Problems*, Springer, 2023, pp:391–431.
10. Iris Heckmann, Stefan Nickel, Francisco Saldanha-da-Gama, "Facility Location and Supply Chain Risk Analytics", in H.A. Eiselt and Vladimir Marianov (editors), *Uncertainty in Facility Location Problems*, Springer, 2023, pp:155–181.
9. Vedat Bayram, Bahar Y. Kara, Francisco Saldanha-da-Gama, Hande Yaman, "Humanitarian Logistics under Uncertainty: Planning for Sheltering and Evacuation", in H.A. Eiselt and Vladimir Marianov (editors), *Uncertainty in Facility Location Problems*, Springer, pp:81–105.
8. Stefan Nickel, Francisco Saldanha-da-Gama, "Multi-period facility location", in Gilbert Laporte, Stefan Nickel, Francisco Saldanha-da-Gama (editors), "Location Science", chapter 11, Springer, 2019, 2nd edition.
7. Isabel Correia, Francisco Saldanha-da-Gama, "Facility location under uncertainty", in Gilbert Laporte, Stefan Nickel, Francisco Saldanha-da-Gama (editors), "Location Science", chapter 8, Springer, 2019, 2nd edition.
6. Gilbert Laporte, Stefan Nickel, Francisco Saldanha-da-Gama, "Introduction to Location Science", in Gilbert Laporte, Stefan Nickel, Francisco Saldanha-da-Gama (editors), "Location Science", chapter 1, Springer, 2019, 2nd edition.
5. Stefan Nickel, Francisco Saldanha-da-Gama, "Multi-period facility location", in Gilbert Laporte, Stefan Nickel, Francisco Saldanha-da-Gama (editors), "Location Science", chapter 11, Springer, 2015.
4. Isabel Correia, Francisco Saldanha-da-Gama, "Facility location under uncertainty", in Gilbert Laporte, Stefan Nickel, Francisco Saldanha-da-Gama (editors), "Location Science", chapter 8, Springer, 2015.
3. Gilbert Laporte, Stefan Nickel, Francisco Saldanha-da-Gama, "Introduction to Location Science", in Gilbert Laporte, Stefan Nickel, Francisco Saldanha-da-Gama (editors), "Location Science", chapter 1, Springer, 2015.
2. Isabel Correia, Francisco Saldanha-da-Gama, "A modeling framework for project staffing and scheduling problems", In Christoph Schwindt and Jürgen Zimmermann (editors), "Handbook of Project Management and Scheduling", chapter 31, Springer, 2014.
1. Maria Teresa Melo, Stefan Nickel, Francisco Saldanha-da-Gama, "Network design decisions in supply chain planning" in *Optimization of Logistics Systems—Models and Experiences*, Symposium of the Collaborative Research Center 559 "Modelling of Large Logistics Networks", Peter Buchholz and Axel Kuhn (editors), pp:1–19, Verlag Praxiswissen Dortmund, 2008.

## Articles in scholarly journals

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59. Bowen Zhang, Xiang Li, Francisco Saldanha-da-Gama, "Dealing with congestion in the optimization of locating single-server battery swapping stations", *Information Sciences* 666, 120426, 2024.
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57. Laura Anton-Sanchez, Mercedes Landete, Francisco Saldanha-da-Gama, "The discrete  $p$ -center location problem with upgrading", *Omega*, 119, 102894, 2023
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50. Javier Alcaraz, Laura Anton-Sanchez, Francisco Saldanha-da-Gama, "Bi-objective Resource-Constrained Project Scheduling Problem with Time-Dependent Resource Costs", *Journal of Manufacturing Systems* 73, 506–523, 2022.

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20. Isabel Correia, Maria Teresa Melo, Francisco Saldanha-da-Gama, "Comparing classical performance measures for a multi-period, two-echelon supply chain network design problem with sizing decisions", *Computers & Industrial Engineering* 64, 366–380, 2013.
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12. Maria Albareda-Sambola, Elena Fernández, Francisco Saldanha-da-Gama, "The facility location problem with Bernoulli demands", *Omega* 39, 335–345, 2011.
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1. Pasquale Avella, Stefan Benati, Lázaro Cánovas-Martinez, Kevin Dalby, Donatella Di Girolamo, Branka Dimitrijevic, Ioannis Giannikos, Nili Guttman, Tim Helge Hultberg, Jörg Fliege, Manuel Munõz-Márquez, Malick M. Ndiaye, Stefan Nickel, Peter Peeters, Dionisio Pérez-Brito, Silvia Policastro, Francisco Saldanha-da-Gama, Pietro Zidda, "Some personal views on the current state and the future of Locational Analysis", *European Journal of Operational Research* 104, 269–287, 1998.

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6. Isabel Correia, Teresa Melo, Francisco Saldanha-da-Gama, “A two-echelon facility location problem with layout selection”, Proceedings of the 14th International Conference on Mathematical Methods, Computational Techniques and Intelligent Systems—MACMECTIS’12, pp 79–84, 2012.
5. Isabel Correia, Stefan Nickel, Francisco Saldanha-da-Gama, “Single-allocation hub location problems with capacity decisions and balancing requirements”, Proceedings of the 12th International Conference on Mathematical and Computational Methods in Science and Engineering—MACMESE-06, pp 51–56, 2010.
4. Isabel Correia, Luís Gouveia, Francisco Saldanha-da-Gama, “Discretized reformulations for a capacitated network loading problem arising in a facility location context”, INOC Proceedings 2007—International Network Optimization Conference, Pisa, Italy, 26–29 April, 2009.
3. Isabel Correia, Luís Gouveia, Francisco Saldanha-da-Gama, “On capacitated location problems with modular links and general distribution costs”, INOC Proceedings 2007—International Network Optimization Conference, Spa, Belgium, 22–25 April, 2007.
2. Francisco Saldanha-da-Gama, Margarida M. da Silva, “A decomposition scheme for a multi-period phase-in/phase-out location problem”, INOC Proceedings 2005—International Network Optimization Conference, Lisbon, Portugal, 20–23 March, 2005.
1. Maria Teresa Melo, Stefan Nickel, Francisco Saldanha-da-Gama, “Dynamic multi-commodity facility location: a mathematical modelling framework for strategic supply chain planning”, Operations Research Proceedings 2003, D. Ahr, R. Fahrion, M. Oswald, G. Reinelt (editors), 95–102, Springer, Berlin, 2004.

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## Other publications

1. Maria Albareda-SAmbola, Elena Fernández, Francisco Saldanha-da-Gama, “Outsourcing policies for the Facility Location Problem with Bernoulli Demand”, arXiv:2310.18981 [math.OC], DOI: <https://doi.org/10.48550/arXiv.2310.18981>.

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## Short courses and scientific presentations

- More than 40 seminar presentations in universities and scientific institutions from different countries including the University of Vienna (Austria), Free University Brussels (ULB, Belgium), Universidade Federal da Paraíba (Brazil), Beijing Jiaotong University (China), University of Chinese Academy of Sciences (Beijing, China), Xi’an Jiaotong University (China), Shanghai Jiaotong University (China), NEOMA Business School (Rouen, France), Karlsruhe Institute of Technology (Germany), Institute for Industrial Mathematics (ITWM, Kaiserslautern, Germany), University of Rome La Sapienza, (Italy), Nanzan University (Nagoya, Japan), New University of Lisbon (Portugal), University of Seville (Spain), Technical University of Catalonia (Barcelona, Spain), University of Murcia (Spain), University of Valencia (Spain) and Free University Amsterdam (VU, The Netherlands), The University of Edinburgh (Scotland, UK), The University of Loughborough (UK), University of Manchester (UK), University of Bath (UK).
- More than 150 contributed presentations in scientific conferences.
- Plenary and keynote presentations:
  - “Robust and Stochastic Facility Location: An overview”, 5th SYSORMS (Fifth Spanish Young Statisticians and Operational Researchers Meeting), Seville, Spain, November 5–7, 2025.
  - “Communicating Operations Research: Strategies for Engaging Stakeholders, Academics, and the Public”, discussion panel. EURO XXXIV—34th Conference of the European Federation of the Operational Research Societies, Leeds, UK, June 22–25, 2025.
  - “Scientific, Technical and Medical Publishing: Some Personal Thoughts”, Yorkshire and Humber Operational Research Group Meeting, Leeds, UK, March 19, 2025.

- “Time-dependent decisions in hub location and routing”, LISS 2023: IEEE International Conference on Logistics, Informatics and Service Sciences, Hong Kong Polytechnic University, Hong Kong, China, July 24, 2023.
- “Facility Location under Uncertainty”, EURO Summer Institute on Location Science, Edinburgh, Scotland, UK, 11–14 June, 2022.
- “Districting Problems: Dealing with Uncertainty”, French-German-Portuguese Conference on Optimization, Porto, Portugal, 3–6 May, 2022.
- “Districting Problems: Dealing with Uncertainty”, International Conference on Intelligent Transportation and Logistics with Big Data, Kunming, Yunnan, China, October 9–11, 2020, online presentation.
- “Stochastic capacitated facility location: coping with uncertain uncertainty”, CMAF-CIO Open Meeting (Centro de Matemática, Aplicações Fundamentais e Investigação Operacional), Lisbon, Portugal, September 9 and 10, 2020, conference held online.
- “Stochastic Districting Problems”, LISS 2020: IEEE International Conference on Logistics, Informatics and Service Sciences, Beijing Jiaotong University, Beijing, China, July 26 and 27, 2020, conference held online.
- “Multi-period facility location problems in the context of logistics network design”, 2019 International Conference on Logistics and Supply Chain, Beijing Wuzi University, Beijing, China, November 30 and December 1, 2019.
- “Logistics Network Design and Facility Location: the value of multi-period stochastic solutions”, International Conference on Intelligent Transportation and Logistics with Big Data & 7th International Forum on Decision Science, Windsor, Ontario, Canada, July 26–29, 2019.
- “Meet the Editors”, presentation and discussion panel. IO’2019, 20th Conference of the Portuguese OR Society, Tomar, Portugal, July 22–24, 2019.
- “Logistics Network Design and Facility Location: the value of multi-period stochastic solutions”, IX IWLOCA—Ninth International Workshop of Locational Analysis and Related Problems, Cadix, Spain, January 30 – February 1, 2019.
- “Logistics Network Design and Facility Location: the value of a multi-period stochastic solution”, OR 2018 International Conference on Operations Research, GOR/ORBEL Joint Annual Conference (German and Belgian OR Societies), Brussels, Belgium, September 12–14, 2018.
- “Logistics Network Design and Facility Location: the value of a multi-period stochastic solution”, 8th International Conference on Logistics, Informatics and Service Sciences / 5th International Conference on Industrial Economics Systems and Industrial Security Engineering, Toronto, Ontario, Canada, August 3–6, 2018.
- “Service location for unit demand customers: dealing with uncertainty”, Twelfth Annual Workshop on Supply Chain and Logistics, Bilkent University, Ankara, Turkey, June 1, 2018.
- “Hub location problems for distribution systems design: some advances and prospects”, China Society of Logistics Annual Meeting, Hefei, Anhui, China, November 24–26, 2016.
- “The stochastic uncapacitated  $r$ -allocation  $p$ -hub median problem: modeling framework and heuristic solutions”, Workshop on Urban Operations Research 2016, Nanzan University, Nagoya, Japan, December 10–11, 2016.
- “Meet the Editors”, presentation and discussion panel. Second Karlsruhe Service Summit Research Workshop, Karlsruhe Institute of Technology, Karlsruhe, Germany, February 25 and 26, 2016.

## Member of scientific committees

- Optimization 2026, Lisbon, Portugal, July 20–22, 2026.
- ISOLDE XVII, 17th International Symposium on Locational Decisions, Chicago, IL & Lake Geneva, WI, USA, June 22–26, 2026.
- EWGLA XXX, 30th Meeting of the EURO Working Group on Locational Analysis, Jerez de La Frontera, Spain, September 17–19, 2025.

- 2025 EDSI (European Decision Sciences Institute) Annual Conference, Gothenburg, Sweden, June 1–4, 2025.
- CLAIO XXII—Latin-Iberian-American Conference on Operations Research, Guadalajara, Mexico, October 28 – November 1, 2024.
- TSL 2024, 11th INFORMS Transportation Science and Logistics Society Workshop, Nantes, France, September 25–27, 2024.
- EWGLA XXIX, 29th Meeting of the EURO Working Group on Locational Analysis, Sheffield, United Kingdom, June 19–21, 2024.
- CLAIO XXII—Latin-Iberian-American Conference on Operations Research, Guadalajara, Mexico, October 28 – November 1, 2024.
- ISOLDE XVI/EWGLA XXVIII, 16th International Symposium on Locational Decisions / 28th Meeting of the EURO Working Group on Locational Analysis, Kaiserslautern and Baden-Baden, Germany, July 25–30, 2023.
- EWGLA XXVII, 27th Meeting of the EURO Working Group on Locational Analysis, Aveiro, Portugal, September 14–16, 2022.
- ESI 2022, EURO Summer Institute on Location Analysis, Edinburgh, Scotland, UK, 11-24 June, 2022.
- Joint ALIO/EURO International Conference 2021 on Applied Combinatorial Optimization 2021, Viña del Mar, Chile, November 29 – December 1, 2021.
- ISOLDE XV/EWGLA XXVI, 15th International Symposium on Locational Decisions / 26th Meeting of the EURO Working Group on Locational Analysis, online conference organized by the University of Wuppertal, Germany, July, 5–9, 2021.
- ISCFI 2021—5th International Conference on Intelligent Systems, Metaheuristics & Swarm Intelligence, Victoria, Seychelles, 10 and 11 April, 2021.
- EWGLA XXV—25th Meeting of the EURO Working Group on Locational Analysis, Brussels, Belgium, 5–7 June, 2019.
- EWGLA XXIV—24th Meeting of the EURO Working Group on Locational Analysis, Edinburgh, Scotland, UK, 23–25 May, 2018.
- ISMSI 2017—International Conference on Intelligent Systems, Metaheuristics & Swarm Intelligence, Hong Kong, March 25–27, 2017.
- Optimization 2017, Lisbon, Portugal, 6–8 September, 2017.
- ISCFI 2016—3rd International Conference on Soft Computing & Machine Intelligence, Dubai, United Arab Emirates, November 23–25, 2016.
- EWGLA XXIII—23rd Meeting of the EURO Working Group on Locational Analysis, Malaga, Spain, 14–16 September, 2016.
- ISCFI 2016—4th International Symposium on Computational and Business Intelligence, 5–7 September 2016, Olten, Switzerland.
- EWGLA XXII—22nd Meeting of the EURO Working Group on Locational Analysis, Budapest, Hungary, 20–22 May, 2015.
- CLAIO XVII/CSMIO III—Latin-Iberian-American Conference on Operations Research / Conference of the Mexican Society of Operations Research, Monterrey, Mexico, 6–10 October, 2014.
- Optimization 2014, Guimarães, Portugal, 28–30 July, 2014.

- ISOLDE XIII/EWGLA XXI—Thirteenth International Symposium on Locational Decisions / 21st Meeting of the EURO Working Group on Locational Analysis, Naples and Capri, Italy, 16–20 June, 2014.
- EWGLA XX—Twentieth Meeting of the EURO Working Group on Locational Analysis, Ankara, Turkey, 17–19 April, 2013.
- EWGLA XIX—Nineteenth Meeting of the EURO Working Group on Locational Analysis, Nantes, France, 12–14 October, 2011.
- ORP3—OR Peripatetic Post-Graduate Program, Cadiz, Spain, September 2011.
- EWGLA XVIII—Eighteenth Meeting of the EURO Working Group on Locational Analysis, Naples, Italy, 28–30 April, 2010.
- EWGLA XVII—Seventeenth Meeting of the EURO Working Group on Locational Analysis, Elche, Spain, 17–19 September, 2008.
- EWGLA XVI—Sixteenth Meeting of the EURO Working Group on Locational Analysis, Estoril, Portugal, 9–11 February, 2007.
- EURO Winter Institute on Location and Logistics, Estoril, Portugal, 27 January–10 February, 2007.

### Other professional activities

- Visiting researcher to the following institutions: Beijing Jiaotong University (China), University of Valencia (Spain), Karlsruhe Institute of Technology (Germany), Xi'an Jiaotong University (China), University of Seville (Spain), Technical University of Catalunya (Spain), University of Saarbrücken (Germany), Free University of Amsterdam (VU, The Netherlands), University of Applied Sciences, HTW (Saarbrücken, Germany), Institute for Industrial Mathematics—ITWM (Kaiserslautern, Germany), University of Naples Federico II (Naples, Italy), Polytechnic University of Hauts-de-France (Valenciennes, France).
- Member of more than 20 PhD committees in different universities and countries: University of Vienna (Austria), University of Montreal (Canada), Karlsruhe Institute of Technology (Germany), University of Aveiro (Portugal), University of Lisbon (Portugal), Technical University of Catalunya, BarcelonaTech (Spain), Technical University of Madrid (Spain), University of Cadiz (Spain), University Miguel Hernández, Elche (Spain), University of Murcia (Spain), University of Seville (Spain), University of the Basque Country (Spain), Free University of Amsterdam (The Netherlands), Free University of Brussels (Belgium), Ghent University (Belgium), University of Naples Federico II, (Italy), Institut Polytechnique de Paris (France), Bilkent University, Ankara (Turkey), Poznan University (Poland).
- Member of an Habilitation jury (Dr. Raca Todosijević), Université Polytechnique hauts-de-France, Valenciennes, France.
- Member of the Jury for the INFORMS SOLA Chuck ReVelle Rising Star Award, 2025, biannual honor awarded to a person within eight years of receiving his or her Ph.D. who has made a significant contribution to location analysis research and displays the potential to continue to do so.
- Co-chair, 4th Operations and Supply Chain Management Symposium on Blockchain Research, Sheffield University Management School, Sheffield, UK, September 1 and 2, 2026.
- Co-chair, Scientific Committee, EWGLA XXIX—29th Meeting of the EURO Working Group on Locational Analysis, Sheffield, United Kingdom, 19–21 June, 2024.
- External Reviewer, "Research in Groups Applications", International Centre for Mathematical Sciences, Edinburgh, 2025.
- External reviewer, "Actions de Recherche Concertées Appel 2025" (Collaborative Research Actions 2025 call), HEC Liège, Belgium.
- Member of the Jury for the INFORMS SOLA Dissertation Award for the best PhD thesis in Location

Analysis, 2023.

- Foreign reviewer, Canada Research Chairs Program, Tier 2, 2021.
- Honorary Chair, ISCBI 2017—5th International Symposium on Computational and Business Intelligence, Dubai, United Arab Emirates, 11–14 August 2017.
- Member of the Jury for the INFORMS SOLA Dissertation Award for the best PhD thesis in Location Analysis, 2016.
- Foreign reviewer, Natural Sciences and Engineering Research Council of Canada, category “Discovery Grants”, 2016.
- External referee for the Prize Ramiro Melendreras 2009, sponsored by SEIO, The Spanish Statistics and Operations Research Society, 2009.
- Chairman of the Organizing Committee, EWGLA XVI—Sixteenth Meeting of the EURO Working Group on Locational Analysis, Estoril, Portugal, 9–11 February, 2007.
- Chairman of the Organizing Committee, EURO Winter Institute on Location and Logistics, Estoril, Portugal, 27 January–10 February, 2007.
- Member of the organizing committee, Optimization’2004, Lisbon, Portugal, 25–28 July, 2004.

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