



Maria Baltazar

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LinkedIn: <https://www.linkedin.com/in/maria-baltazar-48260929/>

Gender: Female **Date of birth:** 05/08/1969 **Nationality:** Portuguese

ABOUT ME

Maria Emília Baltazar (Female, MSc, PhD) she has a PhD in Aeronautical Engineering from the University of Beira Interior (UBI, Covilhã, Portugal) since 2022 and has a graduated in Aeronautical Engineering from the University of Beira Interior (UBI, Covilhã, Portugal) since 1999. She has professional activity since 2000, firstly as Manager of the Marketing/Accounting Department in Jaime Alberto, Lda Distribuidora (2000-2001), and secondly as Aeronautical Engineer supporting all the technical activities of the Aerospace Sciences Department (DCA) at UBI (since 2001-2019), and at Civil Engineering and Architecture (since 2019- 2021). She was Lecturer at the DCA at UBI between 2002 and 2006, and as an associate teacher at the University Politehnica of Bucarest (with the participation within EU KAAT-Knowledge Alliance In Air Transport) from 2020 until 2021. She is a research at the Institute for Research and Innovation in Civil Engineering for Sustainability (CERIS). The areas of scientific activity of Maria Emilia Baltazar are Transportation in general and Air Transport in particular. Since 2009 she participated in several national and international R&D projects as the Business Models for Airport Development Management (AIRDEV_MIT-pt/TS-AAS/0045/2008), she is now researcher in TULIPS project of the European Climate, Infrastructure and Environment Executive Agency (CINEA). Since 2011 she published book chapters, articles in national and international journals with a scientific referee, and more than 50 communications in national and international scientific meetings proceedings. She has vast experience in the organization of national and international conferences. Maria Emília Baltazar is the Vice-President of the Associação de Investigação Científica em Engenharia Aeroespacial (AEROG) and the she is MC Substitute for Portugal in COST action TU1408 – Air Transport and Regional Development (ATARD). Member of the international association “IASA – Institute for Advanced Studies and Awareness”, a global non-profit entity dedicated to transfer of knowledge, professional capacitation and citizen awareness for sustainability. Research topics: Transportation, Airports, Aircraft Operation, UAVs and UAM, Flight Safety, Aeronautic Projects Management, Satellites, Multi-Criteria Decision Analysis and Manufacturing and Aircraft Maintenance.

WORK EXPERIENCE

[01/09/2021 – Current] **Deputy Director of the School of Management, Engineering and Aeronautics**

ISEC

City: Lisbon

Country: Portugal

[06/01/2022 – Current] **Coordinator Professor**

ISEC

City: Lisbon

[31/12/2009 – Current] **Researcher**

University of Beira Interior

Address: Covilhã, Portugal

Main activities and responsibilities:

NIT/TRT-Transportation Research Team in Aerospace Sciences Department at University of Beira Interior.

[01/01/2015 – Current] **Researcher**

Main activities and responsibilities:

Researcher of R & D in CERIS, CESUR, at Instituto Superior Técnico, Universidade de Lisboa

[10/2012 – 06/01/2022] **Engineering research scientist**

University of Beira Interior

Address: Covilhã, Portugal

Main activities and responsibilities:

PhD in Aeronautical Engineering at the University of Beira Interior; PhD title: Global Air Transport Performance and Decision Analysis; Start / End (expected) of the work: October 2011 / January 2022.

[17/12/2020 – 17/12/2020] **Open Class Lecture**

University of Beira Interior - Aerospace Science Department

City: Covilhã

Country: Portugal

Main activities and responsibilities:

In the scope of the Air Transport Economics and Management curricular unit, of the Integrated Master in Aeronautical Engineering, she participates as a lecture in an Open Class (to the whole community) on the theme "Airport Efficiency: Infrastructure, Analysis Methodology and Classification;

[01/03/2021 – 08/09/2021] **Teaching professional**

University Politehnica of Bucharest

City: Bucharest

Country: Romania

Main activities and responsibilities:

Lecture of **Specific Platforms and Tools for Aviation** - This course aims to frame different realities (from flight control systems and automatic registration and diagnosis of embedded equipment to final price-fixing to the user, among others) of aeronautical activity but that respond in an integrated way to very specific needs of the Aeronautical sector.

[20/02/2020 – 04/09/2020] **Teaching professional**

University Politehnica of Bucarest

City: Bucarest

Country: Romania

Main activities and responsibilities:

Lecture of **Specific Platforms and Tools for Aviation** - This course aims to frame different realities (from flight control systems and automatic registration and diagnosis of embedded equipment to final price-fixing to the user, among others) of aeronautical activity but that respond in an integrated way to very specific needs of the Aeronautical sector.

[18/12/2019 – 18/12/2019] **Open Class Lecture**

University of Beira Interior - Aerospace Science Department

City: Covilhã

Country: Portugal

Main activities and responsibilities:

In the scope of the Air Transport Economics and Management curricular unit, of the Integrated Master in Aeronautical Engineering, she participates as a lecture in an Open Class (to the whole community) on the theme "Airport Efficiency: Infrastructure, Analysis Methodology and Classification; and Efficiency of Airlines: Flag, LCC and Cargo".

[05/12/2018 – 05/12/2018] **Open Class Lecture**

University of Beira Interior - Aerospace Science Department

City: Covilhã

Country: Portugal

Main activities and responsibilities:

In the scope of the Air Transport Economics and Management curricular unit, of the Integrated Master in Aeronautical Engineering, she participates as a lecture in an Open Class (to the whole community) on the theme "Airport Efficiency: Infrastructure, Analysis Methodology and Classification".

[13/01/2017 – 13/01/2017] **Open Class Lecture**

University of Beira Interior - Aerospace Science Department

City: Covilhã

Country: Portugal

Main activities and responsibilities:

In the scope of the Air Transport Economics and Management curricular unit, of the Integrated Master in Aeronautical Engineering, she participates as a lecture in an Open Class (to the whole community) on the theme "Evaluation of Performance in Air Transport".

[09/2005 – 09/2006] **Teaching professional**

University of Beira Interior www.ubi.pt

Address: FEUBI- Calçada Fonte do Lameiro, 6200-358, Covilhã, Portugal

Business or sector: Education

Main activities and responsibilities:

Lecture discipline of Manufacturing and Aircraft Maintenance.

[09/2004 – 09/2005] **Teaching professional**

University of Beira Interior www.ubi.pt

Address: Feubi - Calçada Fonte do Lameiro, 6200-358, Covilhã, Portugal

Business or sector: Education

Main activities and responsibilities:

Lecture Manufacturing and Aircraft Maintenance and Instrumentation and Aircraft Systems

[09/2003 – 09/2004] **Teaching professional**

University da Beira Interior www.ubi.pt

Address: Feubi - Calçada Fonte do Lameiro, 6200-358, Covilhã, Portugal

Business or sector: Education

Main activities and responsibilities:

Lecture Manufacturing and Aircraft Maintenance, Plates and Shells and Aircraft Operations.

[09/2002 – 03/2003] **Teaching professional**

University of Beira Interior www.ubi.pt

Address: Feubi - Calçada Fonte do Lameiro, 6200-358, Covilhã, Portugal

Business or sector: Education

Main activities and responsibilities:

Lecture Manufacturing and Aircraft Maintenance

[13/08/2001 – 20/04/2019] **Engineer - Public Servent**

University of Beira Interior - Aerospace Science Department www.ubi.pt

Address: Feubi - Calçada Fonte do Lameiro, 6200-358, Covilhã, Portugal

Business or sector: Professional, scientific and technical activities

Main activities and responsibilities:

- Maintenance and Equipment Management;
- Maintenance and management Aerospace Science Department Laboratories;
- Budgeting, and request application materials;
- Teachers Consultant;
- Monitoring committees and projects; Advice for president of Aerospace Science Department.
- Congress and Conference's Organizer.
- Graphic development. Websites construction.

[01/2000 – 04/2000] **Marketing department manager**

Jaime Alberto, Lda Distribuidora

Address: Parque Industrial do Canhoso, Lt 5, 6200-027, Covilhã, Portugal

Business or sector: Accommodation and food service activities

Main activities and responsibilities:

Development of a proposed route optimization; Monetization of the functions of the department responsible for the management of banks, customers and suppliers; Developing an appropriate segregation of lending functions, storage, shipping, invoicing, account registration and notes receivable, collections, treasury, approval and issuance of credit notes and approval of cancellation of uncollectible; functions Performance regular analysis of monthly balance sheets of customer balances of seniority, of customer situations in litigation.

[21/04/2019 – Current] **Engineer - Public Servent**

University of Beira Interior - Civil Engineering and Architecture Department

City: Covilhã

Country: Portugal

Main activities and responsibilities:

- Secretary to the President and Vice-President: Prepare memoranda, establish various internal and external contacts, submit and monitor documents in GDUBI.
- Secretary of the Research Centers and centers; support contacts, execute and control the unit's budget.
- Secretariat the execution of DECA's budget and Provision of Services: Request budgets, prepare requisitions at SIGUBI and monitor, receive and check the material purchased, until the invoices are checked, receive and follow up on budget requests from P. Services, issue invoices, prepare memos for distributing funds, keep P. Serviços accounts up to date.
- Support Faculty in activities related to the Department: Compile elements/data, fill in forms/memoranda, support UBI's dissemination activities (Meetings, conferences, workshops, etc.).
- Coordinate the agenda of DECA Technicians.

EDUCATION AND TRAINING

[10/10/2011 – 06/01/2022] **PhD in Aeronautical Engineering**

University of Beira Interior www.ubi.pt

Address: FEUBI - Calçada Fonte do Lameiro , 6200-358, Covilhã , Portugal

[09/2001 – 09/2004] **Master in Aerospace Systems**

University of Beira interior

Address: FEUBI - Calçada Fonte do Lameiro, 6200-358, Covilhã, Portugal

Field(s) of study: Engineering and engineering trades

National classification: ISCED 5A

Main subject / occupational skills covered:

Sufficient qualifications for access to more advanced research programs (PhD), which are often required by some companies and areas of activity of the European aviation sector.

[09/2001 – 07/2004] **Equivalente Master in Aeronautical Engineering (pré - Bolonha)**

Universidade da Beira Interior

Address: FEUBI - Calçada Fonte do Lameiro, 6200-358, Covilhã, Portugal

Field(s) of study: Engineering and engineering trades

National classification: ISCED 5A

Main subject / occupational skills covered:

Recognized as sufficient qualification for the aeronautical engineering profession, which is characterized by conducting research, design, study, design, manufacturing, construction, production, inspection, quality control and management in the aeronautical sector. Sufficient qualifications for access to more advanced research programs (master), which are often required by some companies and areas of activity in nacional and European aeronautical sector.

LANGUAGE SKILLS

Mother tongue(s): Portuguese

Other language(s):

English

LISTENING C2 READING C2 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

Spanish

LISTENING B1 READING B1 WRITING B1

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

Scientific Papers in Index-Journals

- 1. Applying airport centrality as an operational continuity indicator**, Eliane Cristina Arantes, Maria Emilia Baltazar, Jorge Silva (2021). *Journal of Airline and Airport Management* 11(1):1, DOI: 10.3926/jairm.186
- 2. A concessão dos aeroportos de Guarulhos, Viracopos e Brasília: qual a relação entre o design estratégico da concessão e a atração de investimentos para setor aeroportuário brasileiro?** Elaine Cristina Arantes, Maria Emilia Baltazar, Omar Daniel Netto, Jorge Silva (2021). In book: *Administração Contemporânea 2*, DOI: 10.51360/zh420212-3-p-7-23
- 3. Spanish airports performance and efficiency benchmark. A PESA-AGB study**, Maria E. Baltazar, Tiago Rosa, Jorge Silva (2020). *Journal of Air Transport Management* <https://doi.org/10.1016/j.jairtraman.2020.101889>.
- 4. The airport A-CDM operational implementation description and challenges**, Omar Netto, Jorge Silva, Maria Baltazar(2020), *Journal of Airline and Airport Management*, <https://doi.org/10.3926/jairm.148>
- 5. Airport Performance and Efficiency – Label Development**, Maria E. Baltazar, João Jardim, Pedro Alves, Paulo Marchão and J. Silva (2018), *Proceedings of 22nd Air Transport Research Society (ATRS) World Conference, South Korea, Seoul, COEX, July 2-5*.
- 6. Global Decision Support for Airport Performance and Efficiency Assessment** Maria E. Baltazar, Tiago Rosa, Jorge Silva (2018). *Journal of Air Transport Management* <https://doi.org/10.1016/j.jairtraman.2018.04.009>.
- 7. Low-Cost Carriers Socio-Economic Impact in Tourism Development: The Case of Faro's Airport Hinterland**, Tiago Rosa, Maria E. Baltazar, and Jorge Silva (2017), in *Tourism Spectrum*, Volume 3, No. 1, March 2017, Fifth Issue, pp 29-40, ISSN: 2395-2849.
- 8. Airlines Performance and Efficiency Evaluation using an MCDA Methodology. The Case for Low-Cost Carriers vs Legacy Carriers**, Miguel Miranda, Maria E. Baltazar and Jorge Silva (2016) in *Open Engineering*, Vol. 6, Issue 1, pp. 389-396, DOI: <https://doi.org/10.1515/eng-2016-0059>, EID: 2-s2.0-84995900208
- 9. Air Transport Performance and Efficiency: MCDA vs. DEA Approaches**, Baltazar, M.E., Jardim, J., Alves, P. and J. Silva (2014), *Procedia - Social and Behavioral Sciences* (Elsevier), Vol. 111, 2014, pp. 790 – 799.
- 10. Regional Airports, Tourism and Development: Two Portuguese Case Studies**, Margarida Vaz, Jorge Silva, Emília Baltazar and Tiago Marques (2014), *Tourismos Journal*, Volume 9, Issue1, Spring 2014, pp. 13.
- 12. Airport Performance and Efficiency Assessment. A New Approach**, Baltazar, Maria E., Jardim, J., Alves, P., Marchão, P. and J. Silva (2014), 2014-World Conference of Air Transport Research Society (ATRS), Bordeaux, France, 17th to 20th July.
- 13. Air Transport Performance and Efficiency: MCDA vs. DEA Approaches**, Maria E. Baltazar, João Jardim, Pedro Alves, Jorge Silva (2013), 16th Meeting of the EURO Working Group on Transportation (EWGT2013), Portugal, Porto, FEUP - Faculdade de Engenharia da Universidade do Porto, 4th to 6th September.

Participation in Scientific Projects

- 1. "EFATraS - Environmentally-Friendly Aeronautical Transport Systems"**, QREN (nº 4830, code CENTRO-07-ST24_FEDER-002020) as a researcher. Participants: Universidade da Beira Interior (UBI), LAETA - Laboratório Associado de Energia, Transportes e Aeronáutica/Grupo de Aeronáutica e Astronáutica (AeroG), IT - Instituto de Telecomunicações, C-MADE - Center of Materials and Building Technologies. Budget: 201.187,22€.
- 2. Project (MIT-pt/TS-AAS/0046/2008)** of R&D, FCT and Program MIT-Portugal, **AIRDEV - Business Models for Airport Development Management**. as a researcher. Participants: IST (Lisboa), Alstom (Saint-Ouen), FEUP – Faculdade de Engenharia da UP (Porto), INAC (Lisboa), FCTUC (Coimbra), and the University of Antwerp. Budget: 183.144,00€.
- 3. "SIMUAV - Design and Implementation of a Simulator for Unmanned Aerial Vehicles"** as a researcher. Agência de Inovação (ADI) – Program Ideia (Project SIMUAV - Nº 70/00330). Participants: Universidade da Beira Interior (UBI), Critical Software (Lisboa & Coimbra), Universidade de Coimbra. Budget: 9.664,90€.
- 4. DAISY - Impact Analysis and Cost-Benefit Analysis of Countermeasures on Airport infrastructures**, as a researcher. Participants: Stam (Genoa), ANA (Portugal), SKA Polska (Warsaw), IST (Lisbon) since 2013, Contract No. HOME/2013/CIPS/AG/400 0005001
- 5. DG MOVE NBGD** - Study on Urban Mobility - Preparation of EU guidelines on urban logistics MOVE/C1/2014-370, as technical support analysis and creating a detailed report.
- 6. MC Substitute for Portugal in COST action TU1408 – Air Transport and Regional Development (ATARD)**. <https://www.cost.eu/actions/TU1408/#team>
- 7. TULIPS - DemonsTrating lower pollUting soLutions for sustainable airPorts across Europe - Research member** of the CERIS/IST team. The TULIPS project will officially start in September 2021, work carried out over 48 months: Participants: TULIPS consortium brings together 29 partners, led by Schiphol Airport, but also involves Oslo, Turin and Larnaca airports. EU-Associated with document Ref. Ares(2021)2790043 - 27/04/2021.
- 8. KAAT - Knowledge Alliance In Air Transport** - as Lecturer/Professor, Participants: University Politehnica of Bucarest, Zagreb University, IST (Lisbon), Strasbourg University, University of Zilina, among others This project has been funded with support from the European Commission. Project N°.: 588060-EPP-1-2017-1-RO-EPPKA2-KA. <http://www.kaat.upb.ro/>

Scientific Papers in Conferences

Reference: 2021-2019

- Goncalves, J.; Silva, J.; Baltazar, M.E. (2019) Optimizing Process of Airport Passengers Flow. The Case of Madeira International Airport Cristiano Ronaldo, VII RIDITA – International Congress of the Iberoamerican Air Transportation Research Society, October 9-11, University of Beira Interior, Covilhã, Portugal, ISBN: 978-989-654-594-9.
- Ferrer, P.; Baltazar, M.E.; Silva, J. (2019) Spanish Airports Performance and Efficiency Benchmark. A PESA AGB Study, VII RIDITA – International Congress of the Iberoamerican Air Transportation Research Society, October 9-11, University of Beira Interior, Covilhã, Portugal, ISBN: 978-989-654-594-9.
- Duarte, M.; Baltazar, M.E.; Silva, J. (2019) Air Budget: A VTOL Virtual Operator Company in Portugal, VII RIDITA – International Congress of the Iberoamerican Air Transportation Research Society, October 9-11, University of Beira Interior, Covilhã, Portugal, ISBN: 978-989-654-594-9.
- Rocha, J.; Silva, J. (2019) VII RIDITA – International Congress of the Iberoamerican Air Transportation Research Society, October 9-11, University of Beira Interior, Covilhã, Portugal, ISBN: 978-989-654-594-9.
- Carmo, J.; Silva, J.; Baltazar, M.E. (2019) The Concept of Aerotropolis Applied to a Medium-Sized City and its Airport. The Case of Faro in The South of Portugal, VII RIDITA – International Congress of the Iberoamerican Air Transportation Research Society, October 9-11, University of Beira Interior, Covilhã, Portugal, ISBN: 978-989-654-594-9.
- Netto, O.; Silva, J.; Baltazar, M.E (2019) CDM Description and Operational Implementation Challenges, VII RIDITA – International Congress of the Iberoamerican Air Transportation Research Society, October 9-11, University of Beira Interior, Covilhã, Portugal, ISBN: 978-989-654-594-9.
- Baltazar, M.E., Silva, J. (2019) Airports Catchment Area Size Definition: a Portuguese Case Study, Air Transport Research Society 23rd World Conference, July 2-5, Amsterdam, Netherlands.
- Macário, R.; Silva, J.; Reis, V.; Baltazar, M.E. (2019) Enhancing the Performance of Urban Logistics with New Air Transport Systems, Air Transport Research Society 23rd World Conference, July 2-5, Amsterdam, Netherlands.

Scientific Papers in Conferences

Reference: 2018-2016

- Baltazar, Maria E. and J. Silva (2018), PESA-AGB: Airport Benchmarking and Safety Key Performance Area, in XVII SITRAER Air Transportation Symposium Proceedings, São Paulo SP, Brazil, October 22-24.
- Arantes, E., Baltazar, Maria E., Netto, O. and J. Silva (2018), The Concession of Guarulhos, Viracopos And Brasilia Airports: What is the Relationship Between the Strategic Design of the Concession and the Attractiveness of Investments For The Brazilian Airport Sector? in XVII SITRAER Air Transportation Symposium Proceedings, São Paulo SP, Brazil, October 22-24.
- Baltazar, Maria E. and J. Silva (2018), Airport Performance and Efficiency – Label Development, Proceedings of 22th Air Transport Research Society (ATRS) World Conference, South Korea, Seoul, COEX, July 2-5.
- Rosa, T., Baltazar, Maria E., and J. Silva (2017). Airlines Operation Impacts on Airports Efficiency. The Low-Cost Case Study, 21st World Conference of Air Transport Research Society (ATRS), Antwerp, Belgium, 5-8 July.
- Miranda, M., Baltazar, Maria E., and J. Silva (2017). Multi-Criteria Decision Analysis to Assess Airlines Performance and Efficiency, 21st World Conference of Air Transport Research Society (ATRS), Antwerp, Belgium, 5-8 July.
- Cachola, D., Baltazar, Maria E., and J. Silva (2017). Air Cargo Carriers Performance and Efficiency Analysis Using a MCDA Methodology, 21st World Conference of Air Transport Research Society (ATRS), Antwerp, Belgium, 5-8 July.
- Marchão, P., Baltazar, Maria E., and J. Silva (2017). Airport Benchmarking Issues. The Key Performance Area of Safety, 21st World Conference of Air Transport Research Society (ATRS), Antwerp, Belgium, 5-8 July.
- Baltazar, Maria E., Rosa, T., and J. Silva (2016). Global Decision Support for Airport Performance and Efficiency Assessment, 20th World Conference of Air Transport Research Society (ATRS), Rhodes, Greece, 5-8 June.
- Cruz, I., Baltazar, Maria E., and J. Silva (2017) Airships operational performance (feasibility) for an urban and non-urban logistics business model and plan, 24th APDR Congress: Intellectual Capital and Regional Development: New landscapes and challenges for space planning, Covilhã, University of Beira Interior, 6-7 June.
- Valente, N., Baltazar, Maria E., and J. Silva (2017) Modelling and forecasting airport performance, 24th APDR Congress Intellectual Capital and Regional Development: New landscapes and challenges for space planning, Covilhã, University of Beira Interior, 6-7 June.
- Rosa, T., Baltazar, Maria E., and J. Silva (2017). Impact in Tourism Sector of Portuguese Airports Hinterland due to Low-Cost Carriers Operation, II International Congress Interdisciplinarity in Social and Human Sciences, Aveiro, Portugal, 17th-19th May.
- Rosa, T., Baltazar, Maria E., and J. Silva (2017). Low-Cost Carriers Socio-Economic Impact in Tourism Development. Faro's Airport Hinterland Case in Southern Portugal., II International Congress Interdisciplinarity in Social and Human Sciences, Faro, Portugal, 11th May.

Scientific Papers in Conferences

Reference: 2015-2014

- Miranda, M., Baltazar, Maria E., and J. Silva **(2015)**. Airlines Performance and Efficiency study using MCDA methodology: LCC Vs Legacy Carriers, in ICEUBI2015 Proceedings, – International Conference on Engineering UBI2015 (Engineering for Society), Covilhã, Portugal, 2 – 4 December. ISSN 2183-9891
- Rosa, T., Baltazar, Maria E., and J. Silva **(2015)**. MCDA Modelling of Airport Impacts due to LCC's Operation, in ICEUBI2015 Proceedings, – International Conference on Engineering UBI2015 (Engineering for Society), Covilhã, Portugal, 2 – 4 December. ISSN 2183-9891
- Duarte, M., Baltazar, Maria E., and J. Silva **(2015)**. Business Aviation World Market Evolution and Business Models Analysis - A Solution to be Closer, in ICEUBI2015 Proceedings, – International Conference on Engineering UBI2015 (Engineering for Society), Covilhã, Portugal, 2 – 4 December. ISSN 2183-9891
- Alves, P., Baltazar, Maria E., Marchão, P., Silva J., and V. Reis, **(2015)** . The Airport as a Catalytic Element of the Regional Development in the Hinterland in AIRDEV-2015 Proceedings Bangalore, India, 4-6 November
- Silva, J., Baltazar, Maria E., Macário, R., and Reis, V. **(2015)** . Air Transport Observatory in Secondary Airports (AIROBS), in AIRDEV-2015 Proceedings Bangalore, India, 4-6 November
- Marchão, P., Baltazar, Maria E., Rosa, T., and J. Silva, **(2015)** .Airport Benchmarking Process and the Key Performance Area of Safety," in AIRDEV-2015 Proceedings Bangalore, India, 4-6 November
- Baltazar, Maria E., Marchão, P., Fernandes, F., and J. Silva **(2015)**. Airport Performance Management, Hinterland Impact, and Global Decision Analysis Model, 12th Aviation Student Research Workshop, Hogeschool van Amsterdam, 5-6 June 2015
- Baltazar, Maria E., Marchão, P., Fernandes, F., and J. Silva **(2015)**. Global Decision Analysis Model for Airport Performance Management, in III LAETA Young Researchers Meeting, Coimbra, Portugal, 7-8 May.
- Alves, P., Marchão, P., Baltazar, M.E., Almeida, P., and J. Silva **(2014)** Determination and Evaluation of the Airport Catchment Area, 11th Annual Transports Study Group Conference (GET' 2014), Covilhã, 6th and 7th January.

Scientific Papers in Conferences

Reference: 2013-2012

- Baltazar, Maria E., Jardim, J., Alves P., and J. Silva (**2013**) Air Transport Performance and Efficiency: MCDA vs. DEA Approaches, 16th Meeting of the EURO Working Group on Transportation (EWGT2013), Portugal, Porto, FEUP - Faculdade de Engenharia da Universidade do Porto, 4th to 6th September.
- Baltazar, Maria E., Jardim, J., Alves, P. and J. Silva (**2013**) Air Transport Performance and Global Decision Analysis, 2013 World Conference of Air Transport Research Society (ATRS), Italy, Bergamo, Univerità Degli Studi di Bergamo, 26th to 29th June.
- Vaz, M., Silva, J., Baltazar, Maria E., and T. Marques (**2013**) Regional Airports and Regional Development: Two Portuguese Case Studies, 19th APDR Congress, Braga, University of Minho, 20th and 21st June.
- Alves, P., Baltazar, Maria E., Silva, J., Garra, J. and M. Vaz (**2013**) The Impact of the Hinterland Over the Global Efficiency of Airports, 19th APDR Congress, Braga, University of Minho, 20th and 21st June.
- Baltazar, Maria E., Jardim, J., Alves, P. and J. Silva (**2013**) Iberian Airports Benchmarking Based on both a non-Parametric Approach and a Multi-Criteria Analysis, 19th APDR Congress, Braga, University of Minho, 20th and 21st June.
- Baltazar, Maria E., and J. Silva (**2013**) Air Transport and Global Decision Analysis, 10th Annual Transports Study Group Conference (GET), Alcobaça, 3rd and 4th January.
- Jardim, J Baltazar, Maria E., and J. Silva (**2012**) Airports Performance and Efficiency Evaluation Based on Multidimensional Tools, in Regions in Motion - Breaking the Path, the 52nd European Congress of the RSAI, 4th Central European Regional Science Conference, Bratislava, Slovakia, 21st – 25th August.
- Baltazar, Maria E., Silva, J., Vaz M., Alle V. and T. Marques (**2012**) Interrelationships among the Airports and the Hinterland Players. A Value Network Analysis Approach, in Regions in Motion - Breaking the Path, the 52nd European Congress of the RSAI, 4th Central European Regional Science Conference, Bratislava, Slovakia, 21st – 25th August.
- Vaz M., Silva, J., Baltazar, Maria E., and T. Marques (**2012**) Regional Airports, Tourism and Development: Two Portuguese Case Studies, in Proceedings of the 2nd Advances in Hospitality and Tourism Marketing & Management Conference (AHTMMC), Corfu, Greece, 31st May – 3rd June, ISBN: 978-960-287-139-3.
- Vaz, M., Manso, J., Silva, J., Baltazar, Maria E., and T. Reis (**2012**) Tourism and Regional Growth: A Panel Data Approach, in Proceedings of INVTUR 2012 International Conference, Aveiro, 16th – 19 May.
- Vaz, M., Silva, J., Baltazar, Maria E., Marques T. and T. Reis (**2012**) Dynamic Processes of an Airport's System. A Value Network Analysis, in Proceedings of the AIRDEV 2012 - Airport Development Conference, Lisbon, 19th and 20th April, ISBN 978-989-20-3071-5, pp. 93-114.

Scientific Papers in Conferences

Reference: 2012-2003

- Braz, J., Baltazar, Maria E., Jardim J., Silva, J., and M. Vaz (2012) Performance and Efficiency Evaluation of Airports. The Balance between Data Envelopment Analysis (DEA) and Multi-Criteria Decision Analysis (MCDA) Tools, in Proceedings of the AIRDEV 2012 - Airport Development Conference, Lisbon, 19th and 20th April, ISBN 978-989-20-3071-5, pp. 11-30.
- Braz, J., Baltazar, Maria E., Silva, J. and M. Vaz (2012) MACBETH as A Multi-Criteria Decision Analysis Tool to Benchmark Airports, in II LAETA Young Researchers Meeting, FEUP, Porto, 10th and 11th April.
- Braz, J., Baltazar, Maria E., Silva, J., Vaz, M. (2011) MACBETH as an MCDA Tool to Benchmark Airports, in ICEUBI2011 – International Conference on Engineering UBI2011 (Innovation and Development) Proceedings, Covilhã, Portugal, 28 – 30 Novembro.
- Baltazar, Maria E., Braz, J., Silva, J., Vaz, M. (2011) New Business Models for Airport Landside. Insights and Challenges based on Value Network Analysis, in Actas, do ICEUBI2011 – International Conference on Engineering UBI2011 (Innovation and Development) Proceedings, Covilhã, Portugal, 28 – 30 November.
- Baltazar, Maria E., Braz, J., Silva, J., Vaz, M. (2011) Insights and Challenges about the use of VNA on Airport/Hinterland Linkages, in Proceedings of the 51st ERSA – Regional Science Association International Congress, Barcelona, Spain, 30th August – 03rd September.
- Braz, J., Baltazar, Maria E., Silva, J., Vaz, M. (2011) MACBETH as an MCDA Tool to Benchmark the Iberian Airports, in Proceedings of the 51st ERSA – Regional Science Association International Congress, Barcelona, Spain, 30th August – 03rd September.
- Bousson, K., Duarte, S. and Baltazar, Maria E., (2005), Dynamic Canonical Descent and Densification: A Direct Method for Optimal Control, in 2/18/2005 Innsbruck, Áustria and in the International Conference of Computational Methods in Sciences and Engineering 2004 (ICCMSE 2004), Vouliagmeni - Kavouri, Attica, Greece. 19-23 November 2004.
- Sarychev, V., and Baltazar, Maria E., (2003), Spin Stabilization and Dual-Spin Stabilization of Satellites with Gyrodamper. in Engenharias 2003 – Conferencias de Engenharia da Universidade da Beira Interior – Inovação e Desenvolvimento, Proceedings, Covilhã, Portugal, 5-7 Novembro.

Book Chapters

Reference: 2021-2011

Netto, O.; Baltazar, M.E.; Silva, J. (2019) Unmanned Aircraft Systems and Airspace Interfaces, in Pesquisa Científica e Inovação Tecnológica nas Engenharias, Vol. 2; Cap. 17, pp. 183-200, Ed: Tullio, F., Brasil, Ponta Grossa, Atena Editora, ISBN: 978-85-7247-903-5.

DOI: 10.22533/at.ed.03520060117.

ORGANISATIONAL SKILLS

Organisational skills

I work well in multitasking, project management, high-stress and deadline-oriented environments individually or as part of a team. Proficient in strategic thinking and implementing the strategy as well as decision making; also heavily experienced with coordinating events as a member of the Organizing Committee of International Scientific Conferences and Congresses as well as technical support. Knowledgeable in creating detailed reports, documents and presentations. Focused on consistent quality work and a desire to simplify and innovate within the university classes, teaching, research and innovation projects and technology.

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

Respected leader, equipped with powerful communication, coordination and analysis skills. Fully committed to providing and implementing dynamic, compelling solutions to the ongoing objectives of the charitable organization.

Good communication skills gained through my experience scope in:

- musical (Schooled in music and I play the Guitar),
- cultural (funder of a musical group that now has 34 years of existence)
- and radio (I was a radio presenter on local radio).

Excellent written and verbal communication skills (In Portuguese and English languages), and confident, articulate, and professional speaking abilities with experience of speaking in public, to groups, or via electronic media;

Empathic listener and persuasive speaker;

Equally effective in writing creative or factual with excellent presentation and negotiation skills;

Proactively spearhead the long-term success experienced in the management of diverse groups of people;

Culturally sensitive and internationally travelled leader; with proven adaptability to differing cultural and business environments, solid experience and select strengths that encompasses different countries and continents.

OTHER SKILLS

Other skills

- MS Office (Word, Excel, Outlook, Powerpoint, OneNote, Access)
- Google Drive (Docs, Sheets, Slides, Forms)
- Spreadsheets (Excel, Google Sheets, OpenOffice Calc). as well as pivot tables, comparative analyses, link to a database, macros, sensitivity tables, vertical lookups.
- Email (mail merge, filters, folders, rules)
- Presentations/Slideshows (Powerpoint, Google Slides, Keynote(apple))
- Database Management (MS Access, MySQL, SQL)
- Quickbooks, invoicing, cash flow management, employee time tracking, reports, payroll.
- Social Media (Facebook, Instagram).
- Web (HTML, CSS, Javascript, WordPress, code libraries)
- Writing Skills (WordPress, research, scientific and technical)
- Graphics (Photoshop, Illustrator, InDesign, Acrobat, Corel Draw, HTML/CSS)
- Enterprise Systems. Automated Billing Systems, Payment Processing, Customer Relationship Management (Salesforce, Oracle Netsuite) Enterprise Resource Planning (Oracle, SAP) Business Intelligence, Business Continuity Planning
- Software Skills. Java, PHP, MySQL, SQL, C#, JavaScript, C++, Python, iOS/Swift, Ruby on Rails
- Computer Hardware Skills. System administration, network configuration, software installation, security, tech support, updates, project management, research, TCI/IP, DNS, DHCP, WAN/LAN, Windows, Apple, virtualized networks, network automation, cloud management
- Advanced Computer Skills. Web development, open-source, data structures, coding, security, machine learning, debugging web design and web pages creation.

Participation in Scientific Events Program Committees

- **GET'2020**-17º Encontro Anual do **Grupo de Estudos em Transportes**, Hotel H2O, Unhais da Serra, 10 - 11 Fevereiro 2020, Member of the organizing committee, Covilhã, Portugal
- **ICEUBI2019** - International Congress on Engineering – Engineering for Evolution, organized by UBI Faculty of Engineering, 5-7 December – Member of the organizing committee, Covilhã, Portugal
- **VII RIDITA** – International Congress of the Iberoamerican Air Transportation Research Society, UBI Faculty of Engineering, 9-11 de October, – Member of the organizing committee. Covilhã, Portugal
- **SEPIN** (Seminário de Extensão, Ensino, Pesquisa e Inovação), Londrina, Brasil, October 19, 2018,
- **PCF2018**-Portuguese conference on fracture (PCF 2018), organized by UBI Faculty of Engineering, 23-24 April – Member of the organizing committee.
- **ICEUBI2017**-International Conference on Engineering UBI 2017 "Vision for the Future", organized by UBI Faculty of Engineering, 5-7 December – Member of the organizing committee.
- **4th COST** Management Committee meeting preceded by a GARS workshop on the topic "Current Issues in Air Transport Economics and Policy", University of the Azores (Ponta Delgada Campus) March 30, 2015.
- **1st COST** Workshop on the Relationship between Air Transport and Regional Development – Chair on the panel for Regional Assessments, Amsterdam University of Applied Sciences (Hogeschool van Amsterdam) 3 de June 2015.
- **ICEUBI2015**-International Conference on Engineering UBI 2015 "Engineering for Society", organized by UBI Faculty of Engineering, 2-4 December – Member of the organizing committee.
- **AIRDEV II Conference 2015**, organized by Instituto Superior Técnico, Antwerp University, and the Indian Institute of Science (IISc, Bangalore), hosted by IIS centre 4-6 de November - Member of the International Organizing Committee, Bangalore, India
- **GET'2014** - 11th Annual Conference Transports Study Group (GET), Covilhã, 6th and 7th January 2014.
- **ICEUBI '2013** - International Conference on Engineering UBI2013 (Engineering for Economic Development), Covilha, Portugal, 27-29 November 2013.
- **ICEUBI2011** - International Conference on Engineering UBI2011 (Innovation and Development), Covilha, Portugal, 28-30 November 2011.
- **Engenharias 2001-2007** - Conference on Engineering - Member of the organizing committee.

Master's Student Monitoring

- The academic year 2018-2019: within the course of Master in Aeronautical Engineering UBI follows the guidance of the work of Manuel Duarte, Fábio Ventura, Leroy Nascimento and José Dinarte Gonçalves Theses.
- 2017 October: within the course of Master in Aeronautical Engineering of UBI accompanying guidance work of a thesis entitled *Business model for air transportation in specific market segments. Airships for the logistics case study* by Inês Cruz (18/20 points).
- 2017 October: within the course of Master in Aeronautical Engineering of UBI accompanying guidance work of a thesis entitled *Airport Performance Analysis and Forecasting* by Nuno Valente (18/20 points).
- 2017 October: within the course of Master in Aeronautical Engineering of UBI accompanying guidance work of a thesis entitled *Airport Benchmarking: The Key Performance Area of Safety* by Paulo Marchão (17/20 points).
- 2017 October: within the course of Master in Aeronautical Engineering of UBI accompanying guidance work of a thesis entitled *Performance and Efficiency Evaluation of Air Cargo Carriers Cargolux and Lufthansa Cargo Case Studies* by Duarte Cachola (18/20 points).
- 2017 April: within the course of Master in Aeronautical Engineering of UBI accompanying guidance work of a thesis entitled *Airports' Performance and Efficiency Concerning Low-Cost Carriers Operation. An MCDA and SPSS analysis* by Tiago Rosa (19/20 points).
- 2017 June: within the course of Master in Aeronautical Engineering of UBI accompanying guidance work of a thesis entitled *Airlines Performance and Efficiency Evaluation using an MCDA Methodology: MACBETH* by Miguel Miranda (17/20 points).
- The academic year 2014-2015: within the course of Master in Aeronautical Engineering UBI follows the guidance of the work of Francisco Fernandes and Paul Marchão Theses.
- 2014 November: within the course of Master in Aeronautical Engineering of UBI accompanying guidance work of a thesis entitled *Determination and Evaluation of the Airport Catchment Area: A Case Study* by Pedro Alves (18/20 points).
- 2012, November: within the course of Master in Aeronautical Engineering of UBI accompanying guidance work of a thesis entitled *Airports Efficiency Evaluation Based on MCDA and DEA Multidimensional Tools* by João Jardim (19/20 points).
- 2011, November: within the course of Master in Aeronautical Engineering of UBI accompanying guidance work of a thesis entitled *O MACBETH Como Ferramenta MCDA para o Benchmarking de Aeroportos* by José Braz (19/20 points).

SCIENTIFIC IMPACT

[01/03/2011 – Current] **Links**

Google Scholar: <https://scholar.google.pt/citations?user=oGbypu0AAAAJ&hl=pt-PT>

Research ID: <https://publons.com/researcher/1460392/maria-emilia-da-silva-baltazar/>

SCOPUS ID: [https://www.scopus.com/authid/detail.uri?](https://www.scopus.com/authid/detail.uri?origin=AuthorProfile&authorId=57192007902&zone=)

[origin=AuthorProfile&authorId=57192007902&zone=](https://www.scopus.com/authid/detail.uri?origin=AuthorProfile&authorId=57192007902&zone=)

ORCID ID: <http://orcid.org/0000-0001-8497-7027>

[10/06/2013 – Current] **2021-2013**

2021 - CERIS/IST - Technical and consulting services for the elaboration of the KIC Urban Mobility 2018 application submission of the EIT - European Institute of Innovation & Technology Call for R&D Innovation Projects - **Verticity - integrating vertiports in cities.**

2020-2021 - UBI Technical and consulting services provision contract with Covilhã City Council to elaborate the application to the National Civil Aviation Authority for obtaining authorization to use the Cortes do Meio helicopter runway certification.

2020 - UBI - Technical and consulting services for the elaboration of the KIC Urban Mobility 2018 application submission of the EIT - European Institute of Innovation & Technology Call for R&D Innovation Projects - **VERTICITY - Design and Integration of Air Mobility Vertiports in Cities.**

2019 - UBI -Technical and consulting services for the elaboration of the Marie Skłodowska-Curie Innovative Training Networks application submission of the Calls for H2020 MSCA-ITN-2019 - **Marie Curie "TRIAS: Training to Improve Air Transport Sustainability"**

2018 - CERIS/IST -Technical and consulting services for the elaboration of the KIC Urban Mobility 2018 application submission of the EIT - European Institute of Innovation & Technology Call for R&D Projects - **DURABL.me-Innovative mobility solutions for liveable and resilient cities and metropolis.**

2018 - UBI -Technical and consulting services for the elaboration of the Marie Skłodowska-Curie Innovative Training Networks (ITN) application submission of the Calls for H2020-MSCA-ITN-2018 - **Marie Curie CORINA – Competitiveness and Innovation: toward**

the fulfilment of the EU aviation strategy.

2018 - UBI -Technical and consulting services for the elaboration of the FCT application submission in Portuguese and English languages of the Calls for R&D Projects PCIF/SSI/ 0162/2017 - **Forest fires prevention with RAPS and DSS.**

2018 - UBI -Technical and consulting services for elaborating the FCT application submission in Portuguese and English languages of the Calls for R&D Projects PCIF/SSI/ 0242/2017 - **Autonomous Analysis System for the Prevention of Re-ignitions in Forest Fires.**

2015 - UBI -Technical and consulting services for elaborating the EU Consortium application submission of the Call H2020-TWINN-2015 in the topic H2020-TWINN-2015 Typo of action CSA, Proposal number 692086 **AIROBS - Air Transport Observatory in Secondary Airports.**

2015 - UBI -Technical and consulting services provision contract with **TISPT - Consultores em Transportes, Inovação e Sistemas, S.A.** for the elaboration of the report on **PAMUS-BSE: Diagnóstico, Cenários e Definição da Estratégia.**

[01/01/2011 – Current] **Journals Reviewer**

Reviewer of the Journal "**Case Studies on Transport Policy**", (CiteScore: 1.58; SNIP: 1,060; SJR: 0.602).

Reviewer of the Journal of **Air Transport Management** (CiteScore: 3.27; IF: 2.412; 5 -Year IF: 2.700; SNIP: 1.616; SJR: 1.090).

Reviewer of the Journal of **Transportation Research Part E: Logistics and Transportation Review** (CiteScore: 9.3; IF: 4.690; 5 -Year IF: 5326; SNIP: 2.485; SJR: 2.042).

Reviewer of "**InSITE 2019**" - **Informing Science & IT Education Conferences (InSITE)**

Senior Reviewer of **ICAO Scientific Review: Analytics and Management Research (ceased publication) (AMR)**

Reviewer of the **Journal of Spatial and Organizational Dynamics**