

Curriculum Vitae

Personal information

Surname(s) **Castelblanco**
First name **Gabriel**
Nationality Colombian



Personal Statement (Motivation/profile)

Gabriel Castelblanco is a consultant, academic researcher, and professor focused on project management- and PPP- related topics. Gabriel is a published author on the subject of PPP and risk management in ASCE and IPMA peer-reviewed journals. He has collaborated with universities in the US (University of Florida), Europe (University of Twente - the Netherlands, Polytechnic University of Turin – Italy, and University of Central Lancashire – the UK), and Latin America (Pontificia Universidad Católica de Chile and Universidad de los Andes – Colombia).

Work experience

University	University of Florida
Position	Assistant Professor
Dates	2021- Jul. 2023
Occupation or position held	Assistant Professor at the Polytechnic University of Turin – Italy
Main activities and responsibilities	Research: More than 10 papers published in peer-reviewed journals on Risk Management and Governance in PPPs Consultancy Projects for 1) a 220 million € Build-Lease-Operate-Transfer project on project management, 2) the biggest Concessionaire in Italy (Itinera SpA) to analyze the impact of raw material price increases on the CAPEX, and 3) Autostrade per l'Italia to optimize the operation and maintenance of interventions in 3.000 km of toll roads in Italy. Teaching: 1) Project Management course for Master's students (2022/2023), 2) Construction Project Management course for Master's students (2021/2022-2022/2023), 3) Student Challenge– System Dynamics for complex environmental problems in urban areas (2022)
Dates	2021-2023
Occupation or position held	Ad-hoc Researcher & Lecturer at the University of Central Lancashire (UK)
Main activities and responsibilities	Researcher SAFE Project funded by the UK's Home Office Lecturer courses for Master Thesis development
Dates	2018- 2022
Occupation or position held	Doctoral Researcher at Universidad de los Andes
Main activities and responsibilities	Develop Research Grant Proposals and more than 10 papers published in peer-reviewed journals
Dates	31/01/19-18/12/2020 (2 Years)
Occupation or position held	Instructor at Universidad Central
Main activities and responsibilities	Research focused on water resources in water collaborative governance and water-quality monitoring and modeling topics. Lecturer in Hydric and Environmental Modelling, Hydraulics, and Hydrology.
Dates	2017-2018 (2 Years)
Occupation or position held	Professor at Universidad Santo Tomas
Main activities and responsibilities	Teaching

Dates 2015-2017 (3 Years)
 Occupation or position held Project Manager at **Construcciones Proyecto SAS**
 Main activities and responsibilities Project Manager - Housing Projects

Dates 2010-2014 (4 Years)
 Occupation or position held Project Cost Engineer at **Arquitectura y Concreto SAS**
 Main activities and responsibilities Estimating costs and preparing budgets for projects exceeding 300,000 m²

Reviewer

Since 08-2021 **Journal of Management in Engineering, ASCE**
 Since 08-2022 **Journal of Construction Engineering and Management, ASCE**
 Since 07-2023 **Journal of Legal Affairs and Dispute Resolution in Engineering and Construction, ASCE**

Education

Title of qualification awarded Ph.D. in Engineering
 Principal subjects Research topics focused on PPPs, Sustainability, Contractual and Relational Governance, System Dynamics, Financial Assessment

Title of qualification awarded Master in Civil Engineering
 Principal subjects Research topics focused on Social Housing Management

Title of qualification awarded Bachelor in Civil Engineering

Language skills

Mother tongue Spanish

Other language(s)

English

Italian

Computer skills and competences

Understanding	Speaking	Writing
C1	C1	C1
B1	B1	B1

R, NetLogo (Agent-Based Modeling), UCINET (Social Network Analysis), Vensim (System Dynamics), NVivo, AutoCAD, Qual2K, Microsoft Project.

Grants and Internships

• Date (from – to)	2020-2021
• Position	PhD International Intern
Name and type of organization	University of Twente – Netherlands
• Principal subjects covered	Social Legitimacy Challenges in PPPs.
• Date (from – to)	2021
Name of organization providing grant	Fullbright
Name and type of organization	Texas International Education Consortium
• Principal subjects covered	Writing Skills for successful scholars

• Date (from – to)	07/2019-12/2019
Name of organization providing grant	Pacific Alliance Grant
Name and type of organization	Pontificia Universidad Católica de Chile
• Principal subjects covered	Social Legitimacy and Risk Allocation in Chilean PPPs

Journal Papers

1. Castelblanco, G., Mangano, G., Zenezini, G., and De Marco, A. (Under Review). "Once Concessioned, Twice Shy: Asymmetries of "Reconcession" in National PPP Programs." **Journal of Management in Engineering**
2. Castelblanco, G., Guevara, J., Mangano, G., and Rafele, C. (Under Review). "Financial Dynamic Model for Toll Road PPPs: A Life-Cycle Analysis." **Construction Management and Economics**
3. Castelblanco, G., Fenoaltea, E. M., De Marco, A., and Demagistris, P. (Under Review). "Integrating risk and stakeholder management in complex megaprojects: A multilayer network analysis approach." **Journal of Construction Engineering and Management**
4. Castelblanco, G., De Marco, A., and Casady, C. (Under Review). "Optimizing Public-Private Partnership (PPP) Concession Periods: A System Dynamics Approach." **Journal of Management in Engineering**
5. Ottaviani, F., Castelblanco, G., De Marco, A., and Rafele, C. (Under Review). "Project Contingency Management Optimization Framework." **Expert Systems with Applications**
6. Guevara, J., Rojas, D., Khallaf, R., and Castelblanco, G. (Under Review). "Navigating PPP Renegotiations in the Wake of COVID-19: Insights from a Toll Road Program." **Journal of Legal Affairs and Dispute Resolution in Engineering and Construction**
7. Castelblanco, G., et al. (Under Review). "A Cross-Country Analysis of Pandemic Risks in Delivering PPP Projects in Developing Countries." **International Journal of Construction Management**
8. Castelblanco, G., Safari, P., and De Marco, A. (Under Review). "Driving Factors of Concession Period in Healthcare Public Private Partnerships." **Buildings**
9. Narbaev, T., Castelblanco, G., et al. (Under Review). "Risk assessment in public-private partnership projects: Evidence from Colombia, Kazakhstan, and Ghana." **Construction Innovation**
10. Castelblanco, G., Guevara, J., and De Marco, A. (2023). "Crisis management in Public-Private Partnerships: lessons from the global crises in the XXI century". **Built Environment Project and Asset Management**. DOI: 10.1108/BEPAM-11-2022-0174
11. Castelblanco, G., Guevara, J., and Salazar, J. (2022). "Remedies to the PPP Crisis in the Covid-19 Pandemic: Lessons from the 2008 Global Financial Crisis". **Journal of Management in Engineering**. DOI: 10.1061/(ASCE)ME.1943-5479.0001036
12. Castelblanco, G., Guevara, J., Mesa, H., and Hartmann, A. (2022). "Social Legitimacy Challenges in Toll Road PPP Programs: Analysis of the Colombian and Chilean Cases". **Journal of Management in Engineering**. DOI: 10.1061/(ASCE)ME.1943-5479.0001010
13. Castelblanco, G., Guevara, J., Rojas, D., Correa, J., and Verhoest, K. (2023). "Environmental Impact Assessment Effectiveness in Public-Private Partnerships: Study on the Colombian Road Program". **Journal of Management in Engineering**. DOI: 10.1061/JMENE/MEENG-5015
14. Castelblanco, G. and Guevara, J. (2022). "Building Bridges: Unraveling the Missing Links between Public-Private Partnerships and Sustainable Development". **IPMA – Project Leadership and Society**. DOI: 10.1016/j.plas.2022.100059
15. Castelblanco, G., Guevara, J., Mesa, H., Sánchez, A. (2021). Semantic Network Analysis of Literature on Public-Private Partnerships. **Journal of Construction Engineering and Management**. DOI: 10.1061/(ASCE)CO.1943-7862.0002041
16. Castelblanco, G., Guevara, J., Mesa, H., Flores, D. (2020). Risk Allocation in Unsolicited and Solicited Public-Private Partnerships: sustainability and management implications. **Sustainability (Switzerland)**. DOI: doi:10.3390/su12114478
17. Rojas, R., Bennison, G., Gálvez, V., Claro, E., Castelblanco, G. (2020). Advancing Collaborative Water Governance: Unravelling Stakeholders' Relationships and Influences in Contentious River Basins. **Water (Switzerland)**. <https://doi.org/10.3390/w12123316>

Conference Proceedings

1. Khallaf, R., Guevara, J., Mendez-Gonzalez, P., and Castelblanco, G. (2024). A System Dynamics Model for a National PPP Program: The Egyptian Project Portfolio. **Construction Research Congress (CRC 2024) – Des Moines/Iowa**.
2. Biziorek, S., De Marco, A., and Castelblanco, G. (2023). Enhancing the Public Investment in Public-Private

- Partnerships using System Dynamics Modeling. **2023 Winter Simulation Conference (WSC) – San Antonio-TX.**
3. Rojas, D., Guevara, J., Khallaf, R., Salazar, J., De Marco, A., and Castelblanco, G. (2023). NLP and SNA for understanding renegotiations of toll road PPPs amid the COVID-19 pandemic. **12th International Structural Engineering and Construction Conference (ISEC) – Chicago.**
 4. Biziorek, S., De Marco, A., and Castelblanco, G. (2023). Public-Private Partnership National Programs through the Portfolio Perspective: A System Dynamics Model of the UK PFI/PF2 Programs. **39th Annual ARCOM Conference**
 5. El Kawam, K., Castelblanco, G., Narbaev, T., and De Marco, A. (2023). Decoding Eastern European National Public-Private Partnership Infrastructure Programs. **44th Eurasia Business and Economics Society Conference - Istanbul**
 6. Castelblanco, G., Fenoaltea, E. M., Demagistris, P., and De Marco, A. (2023). Multilayer Analysis in Complex Large Infrastructure Projects. **ProjMAN - International Conference on Project Management.**
 7. Salazar, J., Guevara, J., and Castelblanco, G. (2024). Network Structures and Project Complexity in Environmental Impact Assessment Outcomes: A Colombian Case Study. **Construction Research Congress (CRC 2024) – Des Moines/Iowa.**
 8. Castelblanco, G., Narbaev, T., Mamyrbayev, A., Samoilov, A., and Guevara, J. (2023). Improving Public Investment in Kazakh PPPs from a Portfolio Perspective: A System Dynamics Approach. **44th Eurasia Business and Economics Society Conference - Istanbul**
 9. Valenzuela Blanco, M., Guevara, J., Salazar, J., and Castelblanco, G. (2023). Evaluation of Strategies for the Reduction of Water Consumption in Real Estate Projects. **12th International Structural Engineering and Construction Conference (ISEC) – Chicago.**
 10. Castelblanco, G., Fenoaltea, E. M., De Marco, A. et al. (2023). Integrating Risk and Stakeholder Management in Complex Mega-Projects: A Multilayer Network Analysis Approach. **Megaprojects Research Interdisciplinary Team (MeRIT) Conference 2022 – Milan/Italy.**
 11. Castelblanco, G., Guevara, J., and Mendez-Gonzalez, P. (2022). In the Name of the Pandemic: A Case Study of Contractual Modifications in PPPs Solicited and Unsolicited Proposals in COVID-19 Times. **Construction Research Congress (CRC 2022) – Arlington/Virginia.**
 12. Castelblanco, G., Guevara, J., and Mendez-Gonzalez, P. (2022). PPP Renegotiation Flight Simulator: A System Dynamics Model for Renegotiating PPPs after Pandemic Crisis. **Construction Research Congress (CRC 2022) – Arlington/Virginia**
 13. Marcellino, M., Castelblanco, G., and De Marco, A. (2022). Contract Renegotiation in PPPs: Evidence from Italy. **World Multidisciplinary Civil Engineering, Architecture, and Urban Planning Symposium (WMCAUS 2022) – Prague/Czech Republic.**
 14. Castelblanco, G., Mesa, H, and Serra, L. (2023). Risk Analysis in Private Building Projects: A Pilot Study in Chile. **Megaprojects Research Interdisciplinary Team (MeRIT) Conference 2022 – Milan/Italy.**
 15. Castelblanco, G. and Guevara, J. (2022). Crisis Driven Literature in PPPs. **World Building Congress 2022 – Melbourne - Australia.**
 16. Marcellino, M., Castelblanco, G., and De Marco, A. (2022). Building Information Modeling for Construction Project Management: A Literature Review. **World Multidisciplinary Civil Engineering, Architecture, and Urban Planning Symposium (WMCAUS 2022) – Prague/Czech Republic.**
 17. Ortiz-Mendez, L., De Marco, A. (2023), and Castelblanco, G. Building Information Modeling for Risk Management: A Literature Review. **The International Conference on Business and Technology (ICBT 2022) – Istanbul/Turkey.**
 18. Marcellino, M., Castelblanco, G., and De Marco, A. (2022). Multiple Linear Regression Model for Project's Risk Profile and DSCR. **World Multidisciplinary Civil Engineering, Architecture, and Urban Planning Symposium (WMCAUS 2022) – Prague/Czech Republic.**
 19. Castelblanco, G., Guevara, J., and Mendez-Gonzalez, P. (2021). Sustainability in PPPs: A Network Analysis. **11th International Structural Engineering and Construction Conference (ISEC) – El Cairo/Egypt.**
 20. Castelblanco, G. and Guevara, J. (2020). Risk Allocation in PPP Unsolicited and Solicited Proposals in Latin America: Pilot Study in Colombia. **Construction Research Congress (CRC 2020) – Tempe/Arizona.** DOI: <https://doi.org/10.1061/9780784482889.141>

gabriel.castelbl@ufl.edu

Personal information

www.linkedin.com/in/gabriel-castelblanco-bolivar-76226325
www.researchgate.net/profile/Gabriel-Castelblanco