

Mateus do Rego Ferreira Lima

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Current position

Ph.D. Candidate, Department of Operations and Business Analytics at The Ohio State University.

Areas of specialization

Technology Management, Maintenance Operations, Empirical Research, Behavioral Operations.

Education

2019-2024	PhD, in Operations Management, The Ohio State University (USA)
2023-2025	MBA, Industry 4.0 and Digital Transformation, Federal University of Rio Grande do Sul (Brazil)
2016-2018	MS, Production Engineering (Major: Quality Systems), Federal University of Rio Grande do Sul (Brazil)
2014-2015	BS (exchange year), Industrial Engineering, Milwaukee School of Engineering (USA)
2010-2016	BS, Production Engineering, State University of Maranhao (Brazil)

Research

Research Interests

My research is dedicated to investigating how technologies can improve individual decision-making and operational processes. Major areas of application of my research include maintenance, manufacturing, and warehouse operations.

Journal Publications

2023

Bendoly, E., Chandrasekaran, A., **do Rego Ferreira Lima, M.**, Handfield, R., Khajavi, S. H., & Roscoe, S. (2023). The role of generative design and additive manufacturing capabilities in developing human-AI symbiosis: Evidence from multiple case studies. *Decision Sciences*.

Working Papers and Under Review

do Rego Ferreira Lima, M., Bendoly, E., Craig, N., & Boyer. Nudging Tactics for Enhanced Compliance with Condition-Based Maintenance Guidelines. Under 3rd round of review at the *Journal of Operations Management*.

Guedes, M., **do Rego Ferreira Lima, M.**, Bendoly, E., Bachrach, D., & Pankaj, P. Returns from aligning operational total productive maintenance tactics and contingent worker development: Strategic options for empowerment and skill enhancement. Preparing for 2nd round of review to *Production and Operations Management* (major revision).

do Rego Ferreira Lima, M., Franco, C. W., & Benitez, G.B. Performance Returns from Aligning Front-End Technologies and Just-in-Time Practices: Empirical Findings from the Brazilian Manufacturing Industry. Preparing for 2nd round of review to *International Journal of Logistics Management* (major revision).

do Rego Ferreira Lima, M., Craig, N., & Bendoly, E. Condition Based Preventive Maintenance With Operator Effort Investments. Preparing for re-submission to *Production and Operations Management*.

do Rego Ferreira Lima, M., Bendoly, E., Craig, N., & Boyer. Rosy signals and postpone-ment: Teeing up future risk in maintenance operations. *Work in Progress*.

Pre-Doctoral Program Publications

Benitez, G. B., **do Rego Ferreira Lima, M.**, Ayala, N. F., & Frank, A. G. Industry 4.0 technology provision: The moderating role of supply chain partners to support technology providers. *Supply Chain Management: An International Journal*, vol. 27, no. 1, pp. 89–112, 2022.

Frank, A. G., Benitez, G. B., **do Rego Ferreira Lima, M.**, & Bernardi, J. A. B. Effects of open innovation breadth on industrial innovation input-output relationships. *European Journal of Innovation Management*, vol. 25, no. 4, pp. 975–996, 2022.

Lerman, L. V., Gerstlberger, W., **do Rego Ferreira Lima, M.**, & Frank, A. G. How do governments, universities, and companies contribute to renewable energy development? a municipal innovation policy perspective of the triple helix. *Energy Research & Social Science*, vol. 71, p. 101 854, 2021.

Lerman, L. V., Koefender, A., Benitez, G. B., **do Rego Ferreira Lima, M.**, & Frank, A. G. Comparative analysis between transportation modes for sustainability perspective in one metropolitan region of southern Brazil. *Production*, vol. 30, e20190038, 2020.

Benitez, G. B., **do Rego Ferreira Lima, M.**, Lerman, L. V., & Frank, A. G. Understanding industry 4.0: Definitions and insights from a cognitive map analysis. *Brazilian Journal of Operations & Production Management*, Vol. 16, no. 2 (June 2019), p. 192-200, 2019.

Benitez, G. B., & **do Rego Ferreira Lima, M.** The real options method applied to decision making—an investment analysis. *Brazilian Journal of Operations & Production Management*, vol. 16, no. 4, pp. 562–571, 2019.

Enrique, D. V., Ayala, N. F., **do Rego Ferreira Lima, M.**, Marodin, G. A., Gzara, L., & Frank, A. G. The use of ict tools to support collaborative product development activities: Evidences from Brazilian industry. *Production*, vol. 28, 2018.

do Rego Ferreira Lima, M., Toddaro, M.C., & dos Santos Rocha, M. A methodological approach for kaizen events in assembly lines. *Journal of Lean Systems*, vol. 3, no. 1, pp. 46–65, 2018.

Invited Presentations

Virginia Commonwealth University, The University of Alabama, Indiana University-Purdue University Indianapolis (IUPUI), Federal University of Rio Grande do Sul (UFRGS).

Awards and Fellowships

Awards

- 2024 Runner-up, POMS Operational Excellence College Junior Scholar Best Paper Competition.
- 2024 Honorable Mention, 38th Edward F. Hayes Graduate Research Forum, The Ohio State University.
- 2023 Excellence in Ph.D. Student Teaching Award - Fisher College of Business.
- 2023 First Place, 37th Edward F. Hayes Graduate Research Forum, The Ohio State University.
- 2017 Best Student Paper Award - Institute for Industrial and Systems Engineers Conference at Pittsburgh (Awarded by the Missouri University of Science and Technology).
- 2012 First Place, 24th Undergraduate Research Forum, The State University of Maranhao.

Fellowships

- 2019-2024 Graduate Research Fellowship (Ph.D.). Department of Operations and Business Analytics. Fisher College of Business, The Ohio State University (USA).
- 2016-2018

Graduate Research Fellowship (Master's Degree), Department of Industrial Engineering and Transportation, Federal University of Rio Grande do Sul (Brazil).

2014-2025 International Undergraduate Scholarship, Milwaukee School of Engineering (USA).

2010-2016 Undergraduate Scholarship, State University of Maranhao (Brazil).

Teaching

The Ohio State University

BUSOBA 3230 - Introduction to Operations Management: Improving Competitiveness In Organizations.

Semester: Summer, 2022.

Student Evaluation of the Instructor (SEI): 5/5.

Federal University of Rio Grande do Sul

ENG 09106 - Industrial Organization.

Semester: Winter and Spring, 2019.

Work Experience

2019-
Current Graduate Research Associate, The Ohio State University (Columbus - OH, USA).

Jan.2019-
June2019 Instructor of Industrial Organization, Federal University of Rio Grande do Sul (Porto Alegre, Brazil).

2016-2018 Graduate Research Associate, Federal University of Rio Grande do Sul (Porto Alegre, Brazil).

May2015-
Sep.2015 Engineering Intern, Phoenix Products Company Inc. (Milwaukee - WI, USA).

2012-2014 Engineering Maintenance Intern, CAEMA (Sao Luis, Brazil).

June2013-
Dec.2013 Teaching Assistant of Operations Research, State University of Maranhao (Sao Luis, Brazil).

2011-2012 Undergraduate Research Assistant, State University of Maranhao (Sao Luis, Brazil).

Service

Academic Services

Reviewer: *Journal of Operations Management, Journal of Business Logistics, International Journal of Operations and Production Management.*

Session Chair: POMS 2023, INFORMS 2023, DSI 2023.

Professional Memberships

Decision Sciences Institute (DSI), Institute of Operations Research and Management Science (INFORMS), Production and Operations Management Society (POMS), Academy of Management (AoM).

Skills

Programming

R, Python, SPSS, Mathematica, STATA.

Languages

Portuguese (native), English (fluent), Spanish (fluent), French (proficient).