

Giuliano Almeida Marodin

Operations and Supply Chain Center
Management Science Department
Darla Moore School of Business
University of South Carolina
1014 Greene Street, Office 405L, Columbia, SC 29205
Email: gmarodin@moore.sc.edu; Phone: (+1) 614 620-7201

Academic Employment

Management Science Department, University of South Carolina, Columbia, South Carolina

Jan 2021 – Present: Continental Chair Professor in Operations and Supply Chain

Aug 2020 – Present: Clinical Associate Professor

Aug 2015 – Present: Fellow of the Operations and Supply Chain Center

Aug 2015 – Aug 2020: Clinical Assistant Professor

Department of Management Sciences, The Ohio State University, Columbus, Ohio

Aug 2014 - July 2015: Visiting Professor & Fellow of the Center for Operational Excellence

Department of Industrial Engineering, Federal University of Rio Grande do Sul, Porto Alegre, Brazil

April 2013 - July 2014: Post-Doctoral Researcher & Adjunct Professor

Department of Industrial Engineering, UNIVATES, Lajeado, Brazil

Aug 2009– Dec 2009: Adjunct Professor

Business School, Federal University of Rio Grande do Sul, Porto Alegre, Brazil

March 2007 – Dec 2008: Adjunct Professor

Education

Federal University of Rio Grande do Sul (Brazil)

Ph.D. in Industrial Engineering, Spring 2013

Federal University of Rio Grande do Sul (Brazil)

Master in Industrial Engineering, Spring 2008.

Federal University of Rio Grande do Sul (Brazil)

Bachelor in Business Administration, Spring 2005

- 2003 – 2004: Exchange student for a year (non-degree seeking) at the École Supérieure des Affaires, Université Grenoble Alpes, Grenoble, France.

Publications

Scopus citations: 1,623

Scopus H-index: 21

Google scholar citations: 3,075

Google scholar H-index: 24

Research Gate Reads: 86,977

Refereed papers

43. Enrique, D.V., Marodin, G.A., Santos, F.B.C. and Frank, A.G., (2023). Implementing industry 4.0 for flexibility, quality, and productivity improvement: technology arrangements for different purposes. International Journal of Production Research, pp.1-26. International Journal of Production Research, v. 61, n. 20, pp. 7001-7026 (JCR 4.577, 1st Quartile at SJR 1.91).
42. Marodin, G.A., Tortorella, G.L., Saurin, T.A., Marcon, E. (2023). Shop floor performance feedback, employee's motivation, and engagement: study of a beverage distribution company. Management Decision, v. 61, n. 6, pp. 1535-1553 (JCR 2.723, 1st Quartile at SJR 0.92).
41. Marodin G.A., Chiappetta Jabbour C.J., Godinho Filho M.G., Tortorella, G. (2023). "Lean Production, Information and Communication Technologies and Operational Performance." Total Quality Management & Business Excellence, n. 34, v. 1-2, 183-200 (JCR 2.922, 1st Quartile at SJR 0.73).
40. Tortorella, G.L., Marodin, G., Saurin, T.A., Li, W. and Staines, J., (2022). How have lean supply chains coped with the COVID-19 pandemic? A normal accidents theory perspective. Production Planning & Control, pp.1-18. Forthcoming (JCR 3.605, 1st Quartile at SJR 1.33).
39. Henrique D.B., Godinho Filho M.G., Marodin G.A., Jabbour A.B., Chiappetta Jabbour C.J. (2021). "A framework to assess sustaining continuous improvement in lean healthcare." International Journal of Production Research, v. 59, n. 10, 2885-2904 (JCR 4.577, 1st Quartile at SJR 1.91).
38. Seidel, A., Saurin, T.A., Tortorella, G., & Marodin, G.A. (2019). "How can general leadership theories help to expand the knowledge of lean leadership?", Production Planning and Control, v. 30, n. 16, 1322-1336 (JCR 3.605, 1st Quartile at SJR 1.33).
37. Marodin, G. A., Frank, A., Tortorella, G.L., & Fettermann, D. C. (2019). "Lean production and operational performance in the Brazilian automotive supply chain", Total Quality Management & Business Excellence, v. 30, n. 3-4, pp. 370-385 (JCR 2.922, 1st Quartile at SJR 0.679).
36. Pelizzon, A, Saurin, T., & Marodin, G.A. (2019). "Help chain: guidelines for design and operation in Lean Production Systems", Gestão & Produção, v. 25, n. 4, pp. 1-19 (3rd Quartile at SJR 0.18).
35. Negrão, L., Godinho Filho, M.,Ganga, G., Chopra, S.,Thürer, M., Sacomano Neto, M., & Marodin, G.A. (2019). "Lean Manufacturing Implementation in Regions with Scarce Resources: A Survey in the Amazon Region of Brazil", Management Decision, v. 58, n. 2, pp. 313-343 (JCR 2.723, 1st Quartile at SJR 0.92).
34. Marodin, G.A., Frank, A., Tortorella, G.L., & Netland, T. (2018). "Lean Product Development and Lean Production: Testing Moderation Effects", International Journal of Production Economics, v. 203, pp. 301-310 (JCR 5.134, 1st Quartile at SJR 2.41).
33. Tortorella, G.L., Fettermann, D.C., Frank, A. Marodin, G.A. (2018). "Lean manufacturing implementation: leadership styles and contextual variables", International Journal of Operations and Production Management, v. 38, n. 5, pp. 1205-1227 (JCR 4.619, 1st Quartile at SJR 2.16).
32. Calegari, L. P., Barbosa, J., Marodin, G. A., & Fettermann, D. C. (2018). A conjoint analysis to consumer choice in Brazil: Defining device attributes for recognizing customized foods characteristics. Food Research International, v. 109, pp. 1-13 (JCR 4.972, , 1st Quartile at SJR 1.48).
31. Marodin, G. A., Saurin, T. A., Tortorella, G.L., & Fettermann, D. C. (2018). "Model of risk interactions hindering lean production implementation", Gestão & Produção, v. 25, n. 4, pp. 696-712 (3rd Quartile at SJR 0.18).

30. Enrique, D.V., Ayala, N.F., Ferreira Lima, M. J. R., Marodin, G.A., Gzara, L., Frank, A.G. (2018). "The use of ICT tools to support collaborative product development activities: evidences from Brazilian emerging industry", Production, Vol 28, pp. 1-13 (*SJR 0.22*).
29. Tortorella, G. L., Miorando, R. Marodin, G. A. (2017). "Lean Supply Chain Management: empirical research on practices, contexts and performance." International Journal of Production Economics, v. 193, pp. 98-112 (*JCR 5.134, 1st Quartile at SJR 2.41*).
28. Marodin, G.A., Frank, A., Tortorella, G.L., & Godinho Filho, M. (2017). "The moderating effect of Lean Supply Chain Management on the impact of Lean shop floor practices on Quality and Inventory Turnover," Supply Chain Management, v.22, No.6, p. 473-485 (*JCR 4.725, 1st Quartile at SJR 2.04*).
27. Seidel, A., Saurin, T.A., Ribeiro, J. D., Marodin, G.A. (2017). Lean Leadership Competencies: A multimethod study. Management Decision, v. 55, n. 10, pp 2163-2180 (*JCR 2.723, 1st Quartile at SJR 0.92*).
26. Anzanello, M., Mazzillo, C., Tortorella, G. L., Marodin, G. A. (2017) "Variable selection framework for allocating products to recommended replenishment models in VMI applications", Journal of Advances in Management Research, v.14, n. 2, 128-142 (*2nd Quartile at SJR 0.46*).
25. Negrao, L., Godinho Filho, M., Marodin, G.A. (2017). "Lean practices and their effect on performance: literature review." Production Planning & Control, v. 28, n. 1, p. 33-56 (*JCR 3.605, 1st Quartile at SJR 1.33*).
24. Tortorella, G.L. Fogliatto, F.S., Anzanello, M., Marodin, G.A., Garcia, M., Esteves, R.R. (2017) "Making the value flow: application of value stream mapping in a Brazilian public healthcare organization". Total Quality Management & Business Excellence, v. 28, n. 13-14, p. 1544-1558 (*JCR 2.922, 1st Quartile at SJR 0.73*).
23. Tortorella, G.L., Marodin, G.A., Fettermann, D.C., Fogliatto, F.S. (2016). "Relationships between Lean Product Development enablers and problems". International Journal of Production Research, v. 54, n. 10, p. 2837-2855 (*JCR 4.577, 1st Quartile at SJR 1.91*).
22. Marodin, G.A., Tortorella, G.L., Frank, A., & Saurin, T.A. (2016) "Contextual factors and Lean Production implementation in the Brazilian automotive supply chain". Supply Chain Management, v. 21, p. 417-432, (*JCR 4.725, 1st Quartile at SJR 2.04*).
21. Enrique, D. V., Bertoni, V. B., Paslauski, C. A., Marodin, G.A., Frank, A.G. (2016). "Study of the joint implementation of Information Technologies and Lean Practices." Journal of Lean Systems, v. 2, n. 3., p. 119-134.
20. Marodin, G.A., Saurin, T.A., Tortorella, G.L. & Denicol, J. (2015) "How context factors influence Lean production practices in manufacturing cells?". International Journal of Advanced Manufacturing Technology, v. 79, n. 5, 1389-1399 (*JCR 2.633, 1st Quartile at SJR 0.95*).
19. Marodin, G.A., & Saurin, T. A. (2015). "Identificação, classificação e priorização de riscos na implantação da produção enxuta". Production, v. 25, n. 4, p. 911-925 (*SJR 0.22*).
18. Marodin, G.A., & Saurin, T. A. (2015). "Managing barriers to lean production implementation: context matters". International Journal of Production Research, 53(13), 3947-3962 (*Acceptance rate 16%, JCR 4.577, SJR 1.776*).
17. Tortorella, G. L., Marodin, G. A., Fogliatto, F. S., & Miorando, R. (2015). "Learning organisation and human resources management practices: an exploratory research in medium-sized enterprises undergoing a lean implementation". International Journal of Production Research, 53(13), 3989-4000 (*JCR 4.577, 1st Quartile at SJR 1.91*).
16. Marodin, G. A., & Saurin, T. A. (2015). "Classification and relationships between risks that affect lean production implementation: a study in Southern Brazil". Journal of Manufacturing Technology Management, 26(1), 57-79 (*JCR 3.385, 1st Quartile at SJR 1.29*).
15. Tortorella, G. L., Marodin, G. A., Miorando, R., & Seidel, A. (2015). "The impact of contextual variables on learning organization in firms that are implementing lean: a study in Southern Brazil". International Journal of Advanced Manufacturing Technology, 78(9-12), 1879-1892 (*JCR 2.633, 1st Quartile at SJR 0.95*).
14. Flessas, M.; Rizzardi, V.; Tortorella, G.; Fettermann, D.; Marodin, G.A. (2015) "Layout performance indicators and systematic planning: a case study in a southern Brazilian restaurant". British Food Journal, v. 117, n. 8 (*JCR 2.102, 2nd Quartile at SJR 0.51*).
13. Fettermann, D.C.; Echeveste, M.; Tortorella, G., & Marodin, G (2015). Benefícios e os fatores de sucesso na cooperação com o fornecedor durante o processo de desenvolvimento de produto. Espacios (Caracas), v. 36, p. 17, 2015 (*3rd Quartile at SJR 0.215*).

12. Escobar, L., Rodrigues, C., Tortorella, G., Denicol, J. & Marodin, G.A. (2014). "Índice de satisfação geral (ISG) aplicado a pesquisa de clima organizacional: uma nova abordagem voltada a instituições bancárias". Espacios (Caracas), 35(12) (3rd Quartile at SJR 0.215).
11. Flessas, M., Rizzardi, V. M., Tortorella, G., Denicol, J., & Marodin, G.A. (2014) "Planejamento sistemático de layout aplicado à cozinha industrial de um restaurante temático". Revista Produção em Foco, 4(2), 449-480.
10. Fettermann, D., Marodin, G.A., Martins, V.L.M., Pereira, J.P.C.N. (2014). "Avaliação comercial da utilização do toolkit para customização online de automóveis". Revista Produção em Foco, 4(2), 367-387.
9. Fettermann, D., Guerra, K., Mano, Marodin, G. A (2014). method for fraud detection in water supply system. Interciencia (0378-1844), v. 40, n. 2, p. 114 (JCR 0.448, 3rd Quartile at SJR 0.17) .
8. Marodin, G. A., Saurin, T. A. & Fettermann, D.C. (2014) "Uma sistemática para a avaliação de riscos na implantação de produção enxuta". Revista Produção Online, v. 14, p. 364-401.
7. Tortorella, G. L., Fogliatto, F. S., Marodin, G. A., Vieira, J.F.F., Denicol, J. (2014) "Dimensões do aprendizado organizacional: variáveis contextuais em empresas em implementação enxuta". Revista Produção Online, v. 14.
6. Marodin, G. A., & Saurin, T. A. (2013). "Implementing lean production systems: research areas and opportunities for future studies". International Journal of Production Research, 51(22), 6663-6680 (Acceptance rate 16%, JCR 4.577, 1st Quartile at SJR 1.91).
5. Marodin, G. A., & Saurin, T. A. (2013). "A influência das práticas de produção enxuta nos atributos qualificadores das células de manufatura". Revista Produção Online, v. 13, p. 1252.
4. Marodin, G. A., Eckert, C.P., & Saurin, T. A., G. (2012). "Avançando na implantação da logística interna lean". Revista Produção Online, v. 12, p. 455, 2012.
3. Saurin, T.A., Marodin, G. A., & Ribeiro, J. L. D. (2011). "A framework for assessing the use of lean production practices in manufacturing cells". International Journal of Production Research, 49(11), 3211-3230 (Acceptance rate 16%, JCR 4.577, 1st Quartile at SJR 1.91).
2. Saurin, T.A., Ribeiro, J. L. D., & Marodin, G. A. (2010). "Identificação de oportunidades de pesquisa a partir de um levantamento da implantação da produção enxuta em empresas do Brasil e do exterior". Gestão & Produção, v. 17, p. 829-841 (3rd Quartile at SJR 0.18).
1. Marodin, G. A., & Saurin, T. A. (2007). Modelo de avaliação de arranjos físicos sob a ótica da manufatura celular. Revista Gestão Industrial, v. 3, p. 66-86.

Special Issue Editorials

1. Marodin, G., Tortorella, G.L., Saurin, T.A. Guest Editorial at the Special Issue of the "IV Conference of Lean Systems" at the Produto & Produção journal, December, 2014.

Books and Book Chapters

3. Marodin, G., Saurin, T.A., Tortorella, G.L. (2015) Gestão de riscos em processos de implantação de produção enxuta. Novas Edições Acadêmicas, ISBN: 978-3-639-83965-
2. Tortorella, G. L., Fetterman, D.C., Fogliatto, F., Marodin, G. A. (2015) "Lean Product Development (LPD) enablers for product development process improvement", 31-57, In: Davin, P. Research Advances in Industrial Engineering", Springer.
1. Tortorella, G. L., Marodin, G. A. (2015). "Dimensions of learning organization and contextual factors: an exploratory study in companies undergoing a lean implementation". In: Lewis, H. "Organizational Learning: Individual Differences, Technologies and Impact of Teaching", Nova Science Publishers: NY, USA.

Conference presentations

11. Marodin, G.A., Saurin, T.A. "Operations Performance Information Feedback on Workers Motivation and Engagement: A Social Technical System perspective", DSI Annual Meeting, November 2021.
10. Marodin, G.A., Frank, A., & Tortorella, G. L. "Lean Production, Information and Communication Technologies and Operational Performance", POMS Annual Meeting, Houston, 2018.
9. Marodin, G.A., Tortorella, G.L., Frank, A., & Godinho Filho, M. "The Impact of Lean Supply Chain Management on Quality and Inventory". DSI Annual Meeting, Washington, November 2017.
8. Marodin, G.A, Frank, A., Tortorella, G. & Fettermann, D. "The Impact of Lean Product Development and Lean Shop Floor Practices on Quality and Inventory". POMS Annual Meeting, Orlando, 2016.
7. Seidel, A.; Saurin, T. A. & Marodin, G. "Lean Leadership, Lean Shop Floor Practices, and Operational Performance." POMS Annual Meeting, Orlando, 2016.
6. Marodin, G.A., Rungtusanatham, M., Ward, P. & Wilk, S. "Beliefs and assumptions embedded in lean: a multi-method study". POMS Annual Meeting, May, Washington, 2015.
5. Marodin, G. A., & Saurin, T.A. Barriers to Lean Production Implementation: Validating a Framework through a Case Study. DSI Annual Meeting, Tampa, November 2014.
4. Marodin, G. A., Tortorella, G., Saurin, T. A. & Seidel, A. "Factors that affect Lean Production practices implementation in manufacturing cells". DSI Annual Meeting, Tampa, November 2014.
3. Marodin, G. A., & Saurin, T. A. "Towards a model to understand risk factors that affect the lean production implementation". POMS Annual Meeting, Denver CO, May 2013.
2. Marodin, G., & Fensterseifer, J. "Using manufacturing strategy to develop focused factories: a case study". International Conference of the POMS, Rio de Janeiro. 2007.
1. Marodin, G., & Saurin, T.A. "A model for assessing layouts from a cellular manufacturing perspective: results of two case studies". International Conference of the POMS, Rio de Janeiro. 2007.

Teaching Experience

AT Darla Moore School of Business, University of South Carolina

MGSC 789 – Business Process Analysis, Design and Implementation (Master) – 3 credits

Fall 2018 Fall 2019 Fall 2020 Fall 2021 Fall 2022 Fall 2023

MGSC 395 – Operations Management (Undergrad) – 3 credits

Fall 2015 (2 sessions)	Spring 2016 (2 sessions)	Fall 2016 (2 sessions)
Spring 2017 (3 sessions)	Fall 2017 (3 sessions)	Spring 2018 (2 sessions)
Fall 2018	Spring 2019 (3 sessions)	Fall 2019
Spring 2020 (2 sessions)	Fall 2020	Spring 2021
Spring 2022 (2 sessions)	Spring 2023 (2 sessions)	

MGSC 485 – Business Process Management (Undergrad) – 3 credits

Fall 2018 Fall 2019 Fall 2020 Fall 2021 Fall 2022 (2 sessions) Fall 2023 (2 sessions)

MGSC 497 – Capstone Consulting Project (Undergrad) – 4 credits

Fall 2015 (2 sessions)	Spring 2016 (2 sessions)	Fall 2016 (2 sessions)
Spring 2017 (3 sessions)	Fall 2017 (3 sessions)	Spring 2018 (4 sessions)
Fall 2018 (3 sessions)	Spring 2019 (3 sessions)	Fall 2019 (2 sessions)
Spring 2020 (3 sessions)	Fall 2020 (2 sessions)	Spring 2021 (2 sessions)
Fall 2021 (2 sessions)	Spring 2022 (2 sessions)	Fall 2022 (3 sessions)
Spring 2023 (2 sessions)	Fall 2023 (3 sessions)	

AT Fisher College of Business, Ohio State University

BUSMGT 3230 – Introduction to Operations Management (Undergrad) – 3 credits

Summer 2015

AT Federal University of Rio Grande do Sul, Brazil

Production Systems I (Undergrad) – 3 credits

Fall 2013 Spring 2014

Supply Chain Management (Undergrad) – 3 credits

Fall 2008 (2 sessions) Fall 2007 (2 sessions) Spring 2007

Production Planning and Control (Undergrad) – 3 credits

Spring 2008 (2 sessions)

Science, Technology and Production (Undergrad) – 3 credits

Spring 2007

Lean Principles and Value Stream Mapping (Executive Education)

Fall 2008	Spring 2009	Spring 2010 (2 sessions)
Spring 2011	Spring 2012	Spring 2013
Spring 2014		

Managing Stability and Continuous Flow (Executive Education)

Spring 2009	Spring 2010	Spring 2011
Spring 2013	Spring 2014	

Pull Systems and Quick Changeover (Executive Education)

Fall 2009	Fall 2010	Fall 2011
Fall 2012	Fall 2013	Spring 2014

Quality Management and VSM for Office Processes (Executive Education)

Fall 2010	Fall 2011	Fall 2013
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AT Department of Engineering, UNOESC, Chapeco, Brazil

Continuous Flow and Standardised Work (Masters) – 1.5 credits

Spring 2013	Fall 2013
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Kaizen and Continuous Improvement (Masters) – 1.5 credits

Spring 2013	Fall 2013
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AT Department of Industrial Engineering, UNIVATES, Lajeado, Brazil

Lean Manufacturing (Masters) – 1.5 credits

Fall 2011	Fall 2013
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Operations Management (Undergrad) – 1.5 credits

Fall 2009 (2 sessions)

Awards and Recognition

- 2023 Finalist at DSI Emerging Economies Research Award at DSI annual meeting in Atlanta
- 2022 Professional Track Research Award, Darla Moore School of Business
- 2013 Emerging Economies Doctoral Student Award, Production and Operations Management Society (POMS)

Research Grants

- 2014: Post-Doc scholarship at the Federal University of Rio Grande do Sul, National Council for Research and Development (CNPq, Brazil)
- 2013 – 2014: Post-Doc scholarship at the Federal University of Rio Grande do Sul, Council for the Improvement of Higher Education Personnel (CAPES, Brazil)
- 2009 – 2013: Doctorate student scholarship from Council for the Improvement of Higher Education Personnel (CAPES, Brazil)
- 2012: Doctoral student exchange program scholarship to be a visiting scholar at the Fisher College of Business, The Ohio State University, National Council for Research and Development (CNPq, Brazil)
- 2006 – 2008: Graduate student scholarship from Council for the Improvement of Higher Education Personnel (CAPES, Brazil)

Professional Experience

Lean Institute Brasil – Lean Global Network, Porto Alegre, Brazil

March 2008 – Aug 2014 | *Consultant*

Lead workshop activities and guided lean implementation in several national and global companies (e.g. Philip Morris, Parker Hannifin, Stihl, Dana, Whirlpool, John Deere, Legrand). Also he was responsible for creating, presenting and negotiating business proposals and contracts. Workshops included several Lean practices, such as Value Stream Mapping, Pull Systems/Kanban, Kaizen and Continuous Improvement, Lean Internal Logistics, Visual Management, Creating Continuous Flow, Standardized Work and others. Worked with more than 30 different companies in more than 40 consulting projects.

Kybernetics Consulting, Porto Alegre, Brazil

Aug 2005 – Dec 2014 | *Co-owner and Project Manager*

Managed projects and implemented tools and techniques to improve operational performance, especially those related to lean management systems in more than 25 Brazilian national firms and several global companies (e.g. Fluid Management, Yara International, British American Tabaco, GKN Driveline). Workshops included several Lean practices, such as Value Stream Mapping, Pull Systems/Kanban, Kaizen and Continuous Improvement, Lean Internal Logistics, Visual Management, Creating Continuous Flow, Standardized Work, Daily Management, Lean Leadership and others. Worked with more than 20 different companies in more than 30 consulting projects.

Hypertac France Ltd, Rouen, France

May 2004 – Sept 2004 | *Purchasing Intern*

Worked as a buyer of products from French and international suppliers (US, Italy, England, Germany, etc.) and helped to improve and standardize logistics and purchase processes.

Industry Presentation

- Speaker at the “4th Annual - Supply Chain Continuous Improvement Conference, organized by Syracuse University & University of South Carolina & APICS, Syracuse, New York, March, 2017.
- Speaker at the “Leading Through Excellence: COE Summit 2015”, organized by the Centre for Operational Excellence, Fisher College of Business, The Ohio State University, US, April 2015.
- Speaker at the “2nd South Brazilian Forum of Lean Manufacturing”, organized by the SindiMetal, Brazil, 2013.
- Speaker at the “Continuous Improvement Week”, organized by AGCO Brasil, Brazil, 2011.
- Lean Summit 2010, organized by Lean Institute Brasil, August, 2010.
- Speaker at the “Continuous Improvement Week”, organized by AGCO Brasil, Brazil, 2010.
- Speaker at the “Committee of Entrepreneurship” of the American Chamber of Commerce (AMCHAM), Porto Alegre, Brazil, 2008.

Service

AT Moore School of Business, University of South Carolina

- Thesis Director for the Honors Thesis of Morgan Messer entitled “Impact of COVID in JIT and non-JIT companies”, Fall 2023 and Spring 2024.
- Member of the Undergraduate Program Faculty Committee (2022-present)
- Faculty Advisor for Association of Latino Professionals for America (ALPFA) (2023-present)
- Member of the Operations and Supply Chain Major Enrolment Committee (2022-present)
- Member of the Operations and Supply Chain Major Curriculum Revision Committee (2019-present)
- Member of the Search Committee for Operations and Supply Chain Clinical Position (2022/2023)
- Chair of a Search Committee for a Supply Chain and Operations Full-time Lecturer Position (2017)
- Thesis Director for the Honors Thesis of Lyndsey Wilson entitled “Evaluating replenishment systems in make-to-order firms”, Spring 2018
- Thesis Director for the Honors Thesis of Christopher Messer entitled “Phi Sigma Kappa Process Improvement Thesis”, Spring 2016
- Faculty Advisor of the Phi Sigma Kappa fraternity (student organization) (2015 – 2018)
- Member of a Search Committee for an Information Technology Clinical Professor position (2016)
- Member of a Search Committee for an Information Technology Full-Time Instructor position (2016)
- Managed Capstone Consulting Projects for the Operations and Supply Chain Center (2014-present):
 - **Alpek Polyester**
 - Fall 2023 – Increasing cost visibility to PX storage and transportation in NA.
 - Spring 2023 – Improving and controlling railcar and truck capacity utilization.
 - Fall 2022 – Mapping and developing KPIs dashboard for invoice processing.
 - Spring 2022 – Railcar demand long term forecasting model.
 - Fall 2021 – US and Canada MEG supply chain analysis and optimization.
 - Spring 2021 – Materials planning mapping and improvement.
 - Fall 2020 – Improving project management in logistics department.
 - Spring 2020 – Reducing transportation and storage costs in rail logistic network.
 - Fall 2019 – Improving railyard utilization: reducing number of rail cars on site.

- **Atrium Healthcare**
 - Spring 2019 - Operating room supply chain efficiency process improvement.
 - Fall 2018 – Assessing and improving the low-level equipment cleaning process at CMC.
 - Spring 2018 - CHS Lincoln supply chain evaluation and redesign. Fall 2017 - CHS DC delivery truck route optimization.
- **Avaya**
 - Fall 2016 – Improving raw component purchasing and inventory management strategies.
 - Spring 2016 – Reducing cost in the billing adjustment process.
 - Fall 2015 – Improving demand forecast with sales funnel forecasting.
- **BMW**
 - Fall 2018 – Improving inventory accuracy of test car parts.
 - Spring 2018 – Reducing trailer dwell time in BMW Greer plant.
 - Fall 2017 - Optimizing rounding quantity and mixed pallets deliveries.
 - Spring 2017– Improving service parts readiness for new models launch.
 - Fall 2016 – Calculating Safety Lead time for material planning and orders.
- **Continental Tires**
 - Fall 2023 – Designing North America Motorcycle tires distribution network.
 - Spring 2023 – Bicycle tire North America distribution evaluation.
 - Fall 2022 – Evaluating costs for 1-step and 2-seps US distribution networks.
 - Spring 2022 – Reno Warehouse Distribution Center productivity optimization.
 - Fall 2021- Improving demand forecast process for Brazilian market.
 - Spring 2021 – Harvest Hope collecting donations improvement project.
 - Fall 2020 – Reducing order to delivery times of tires from SLP plant to US Warehouses. Spring 2020 – Improving tread tires supply chain replenishment processes.
- **Coca-Cola Bottling Consolidated**
 - Fall 2015 – Improving shop floor daily communication – KPI boards.
- **Cummins**
 - Spring 2018 – Value Stream Mapping of Beta line product family.
 - Fall 2017 - Demand management with international inbound transportation.
 - Spring 2017 - Transportation cost reduction opportunities with parcel shipments
- **Electrolux**
 - Spring 2020 – Attracting top candidates to entry level positions in a manufacturing environment.
 - Fall 2019 – Supply base consignment and VMI strategy analysis.
 - Spring 2019 – Improving raw material inventory management in Juarez Mexico campus.
 - Fall 2018 - Volume vs. Price Analysis and Methodology Consolidation (VPAMEC).
- **Harvest Hope:**
 - Fall 2023 – Achieving equitable distribution of food to South Carolina Agencies
- **Hilti**
 - Fall 2022 – Calculating and improving logistics cost for Tool Combos distribution in US.
- **Ingersoll Rand**
 - Fall 2021 – Reduction of Excess and Obsolete inventory from engineering changes.
- **Sonoco Packaging**
 - Spring 2019 – Southeast region warehouse optimization strategy for Sonoco packaging.
 - Spring 2018 - Sonoco Elk Grove, Illinois forming films inventory reduction.
 - Spring 2017 - Inventory replenishment process improvement for reels division.
 - Spring 2016 – Inventory management process improvement at Sonoco Flexibles division.
- **Textron**
 - Fall 2017 - Improving Inventory Accuracy.
 - Spring 2017 - Scheduling the plant to gain shipment linearity.
 - Fall 2016 – Re-designing fabrication plant layout to improve flow and prepare for expansion.
 - Spring 2016 – Designing sub-assembly operations for High-School & Manufacturing program.

AT Department of Industrial Engineering, Federal University of Rio Grande do Sul, Brazil

- Member of a PhD Committee of Verônica Tabim, Dissertation entitled “Guidelines to support the implementation vertical integration in the context of Industry 4.0 technologies”, UFRGS/Brazil, 2022.
- Member of a PhD Committee of Marlon Soliman, Dissertation entitled “The impact of Lean Production Systems at the Complexity of Production Systems”, UFRGS/Brazil, 2016.
- Member of 4 Masters’ Thesis Committees
- Member of 11 Undergraduate Thesis Committees

Service to the Profession

- Track Chair for Decision Science in Practice track at Decision Science Institute (DSI) Annual Meeting in Atlanta, 2023.
- Vice President of Awards for the College of Operational Excellence of the Production and Operations Management Society – POMS, 2022-2024.
- Invited Session Chair of “Technological Systems in Manufacturing and Production” at the 52nd Decision Science Institute Annual Conference, Online, 2021
- Member of the Editorial Board of the “VI Conference of Lean Systems”, held at Pontificia Universidade Católica of Parana, Curitiba, Brazil, June 2016.
- Member of the Consulting Committee for “Gestão e Produção” journal (2016 – present).
- Session Chair on “Manufacturing Empirical Research” at Production and Operation Management Society (POMS) Annual Meeting, Washington, 2015.
- Session Chair on “Implementing Lean Practices and Tools in Manufacturing and Non-Manufacturing Settings” at the Decision Science Institute Annual Conference, Tampa, 2014
- Program Manager and Proceedings Editor for the “IV Conference of Lean Systems”, held at the Federal University of Rio Grande do Sul, Porto Alegre, Brazil, May 2014.
- Reviewer for Production Planning and Control (2019 – present)
- Reviewer for International Journal of Operations and Production Management (2018 – present)
- Reviewer for Total Quality Management and Business Excellence (2017 – present)
- Reviewer for Production and Operations Management (2016 – present)
- Reviewer for International Journal of Production Economics (2013 – present)
- Reviewer for Journal of Manufacturing Technology Management (2015 – present)
- Reviewer for Gestão & Produção (2013 – present)
- Reviewer for Production journal (2012 – present)
- Reviewer for a conference: Academy of Management Annual Meeting (2012)
- Reviewer for International Journal of Production Research (2011 – present)
- Session Chair of “Global Applications for JIT, TQM and TOC”, International Conference of the Production and Operation Management Society (POMS), Rio de Janeiro, 2007.