Pedro N. de Lima

Ph.D. Candidate, Pardee RAND Graduate School

Summary

I am a Policy Research Assistant at RAND Corporation and a Ph.D. Candidate at Pardee RAND Graduate School (PRGS), specializing in the field of Decision Making Under Deep Uncertainty. My academic interests often gravitate towards the intersection between OR, Programming, and Management of Wicked Problems.

Education

2019 - 202X	Ph.D. in Policy Analysis. Pardee RAND Graduate School, CA, U.S.
2016 - 2018	M.Sc. in Production Engineering. UNISINOS University, Brazil
2009 - 2015	B.Sc. in Production Engineering. UNISINOS University, Brazil

Work & Research Experience

2019 - current
Policy Research Assistant, *RAND Corporation, US.*
- Provides assistantship to research projects undertaken at RAND Corporation.

2018 - 2019
Lecturer, *UNISINOS University, Brazil.*
- Served as a Lecturer for Undergraduate and MBE courses in the Industrial Engineering Department. Disciplines: Operations Research - Linear Programming; Simulation Modeling (Discrete Event Simulation); System Dynamics Simulation. Operations Management; Information Systems Management.

2016 - 2018
Master Research Assistant, *UNISINOS University, Brazil.*
- Developed a Monte Carlo Simulation package in R for cost-benefit analysis of Organizational Safety and Health Initiatives. In the scope of the master's research project, developed a range of algorithms for exploratory modeling and analysis of system dynamics models in R, using the Robust Decision Making approach.

2013 - 2015
Undergraduate Research Intern, *UNISINOS University, Brazil.*
- Provided assistantship for research projects delivered to private companies and public agencies. Developed an interface for system dynamics simulation integrating Ithink software and Excel, using VBA.

2012 - 2013
Chief Analyst, *Rede Industrial, Brazil.*
- Oversaw SIGMA's (a computerized maintenance management software) development and support teams.

2009 - 2012
Business Analyst, *Rede Industrial, Brazil.*
- Carried out requirement and use-case analysis for software improvements; Developed a working knowledge of Structured Query Language (SQL) for database reporting.

2008 - 2009
Support Assistant, *Rede Industrial, Brazil.*
- Assisted Sigmas customers issues troubleshooting and Sigmas Quality Assurance processes.

Awards

2018 **Best Brazilian Production Engineering Masters Dissertation**, *ABE-PRO - Brazilian Association for Industrial Engineering.*
  - Dissertation Title: Strategic Decision Making Under Deep Uncertainty in the 3D Printing Industry: A Robust Decision Making (RDM) Analysis. [Avaliação de Decisões Estratégicas sob Incerteza Profunda na Indústria da Manufatura Aditiva: Uma Análise a partir do Método Robust Decision Making (RDM).]

2016 **Best Brazilian Production Engineering Undergraduate Dissertation**, *ABEPRO - Brazilian Association for Industrial Engineering.*
  - Dissertation Title: Problem Structuring Methods: A Review of methods to approach complex situations. [Problem Structuring Methods: Uma Revisão de Métodos para a Abordagem de Situações Complexas.].

2016 **CAPES PROSUP Scholarship**, *Education Ministry, Brazilian Federal Government.*
  - Merit-based scolarship for master-level studies.

2015 **InovApps Prize**, *Communications Ministry, Brazilian Federal Government.*
  - For proposing and deploying the Avalia Brasil App (an Android app aiming to measure Brazilian public service quality with the SERVPERF scale).

2013 **PROUNI Scholarship**, *Education Ministry, Brazilian Federal Government.*
  - Merit- and need-based scolarship for undergraduate studies.

Publications

Journal Publications

1. Tegner, MG, PN de Lima, DR Veit, and SLHC Neto (Sept. 2016). Lean Office and BPM: Method Proposition and Application for reducing waste on administrative areas (Lean office e BPM: proposição e aplicação de método para a redução de desperdícios em áreas administrativas). *Revista Produção Online* **16**(3), 1007.

2. Dresch, A, DR Veit, PND Lima, DP Lacerda, D Cisco, A Dresch, DR Veit, PND Lima, DP Lacerda, D Cisco, and A Dresch (2018). Inducing Brazilian manufacturing SMEs productivity with Lean tools. *International Journal of Productivity and Performance Management.*

Books and Chapters

1. Rodrigues, LH, FC Ahlert, DP Lacerda, LFR Camargo, and PN de Lima (2014). *Pesquisa operacional : programação linear passo a passo : do entendimento do problema à interpretação da solução.* São Leopoldo: Editora UNISINOS.

2. Veit, DR, DP Larcerda, and PN de Lima (2019). "The impacts of Additive Manufacturing on production systems". In: *Lecture Notes in Management and Industrial Engineering.* Ed. by J Mula, R Barbastefano, M Díaz-Madroñero, and Raúl Poler. Springer, pp.187–194. `https://doi.org/10.1007/978-3-319-93488-4%7B%5C_%7D21`.

Conference Papers

1. Lima, PN de, DR Calderaro, DB Goldmeyer, LH Rodrigues, and MIWM Morandi (2015). Minimizando Custos de Manutenção: Uma alternativa para o Nivelamento de Recursos de um Cronograma de Manutenção. In: *XXXV - Encontro Nacional de Engenharia de Produção - ENEGEP.* Vol. 35. ABEPRO - Associação Brasileira de Engenharia de Produção, 2015, pp.18.

2. Lima, PN de and MG Tegner (2015). O que Melhora a Operação de Serviço de uma Pequena Empresa? Ferramentas para a Melhoria de Operações de Serviço e Aplicação em seis empresas. In: *XXXV - Encontro Nacional de Engenharia de Produção - ENEGEP, 2015*. Vol. 35. ABEPRO - Associação Brasileira de Engenharia de Produção, pp.15.

3. Lima, PN de, MG Tegner, SLHC Neto, and DR Veit (2015). Lean Office na Prática: Proposição e Aplicação de Método à Luz do Gerenciamento de Processos. In: *XXXV - Encontro Nacional de Engenharia de Produção - ENEGEP*. Vol. 35. ABEPRO - Associação Brasileira de Engenharia de Produção, pp.19.

4. Lima, PN de, DC Vieira, MG Tegner, I Heck, and FR da Luz (2015). Ergonomia e Segurança no Setor Aeronáutico: A Contribuição do Diagnóstico Participativo de Riscos em um Ambiente de Manutenção de Aeronaves. In: *XXXV - Encontro Nacional de Engenharia de Produção - ENEGEP, 2015,* vol. 35. ABEPRO - Associação Brasileira de Engenharia de Produção, pp.15.

5. Machado, MdS, LH Rodrigues, PN de Lima, and MIWM Morandi (2015). Proposição de uma Abordagem Sistêmica para identificar ações alavancadoras para o aumento da cooperação intedepartamental. In: *XXXV - Encontro Nacional de Engenharia de Produção - ENEGEP, 2015,* vol. 35. ABEPRO - Associação Brasileira de Engenharia de Produção, pp.21.