

ALFREDO R. ROA-HENRIQUEZ

North Dakota State University
College of Business
Department of Transportation, Logistics, and Finance
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EDUCATION

PhD Public Policy and Management

Glenn College of Public Affairs
Ohio State University – Columbus, OH – 2019

MSc Industrial & Systems Engineering

College of Engineering
University of Florida – Gainesville, FL – 2010

MA Economics

Universidad Javeriana – Bogotá, Colombia – 2006

BS Industrial Engineering

Universidad del Norte – Barranquilla, Colombia – 2001

RESEARCH INTERESTS

Resilience of Businesses and Supply Chains, Economic Resilience, Organizational Economics, Intersection of Behavioral Economics and Supply Chain Management, Business Government Interactions, Regulation and Deregulation, Business Ethics and Sustainability.

ACADEMIC POSITIONS

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| <i>Assistant Professor</i> | 2022 – |
| Department of Transportation, Logistics, and Finance North Dakota State University | |
| <i>Postdoctoral Scholar</i> | 2019 – 2021 |
| Applied Economics Office National Institute of Standards and Technology (NIST) and Johns Hopkins University | |
| <i>Faculty</i> | 2019 |
| Department of Industrial Engineering Universidad del Norte, Colombia | |
| <i>Graduate Research Assistant</i> | 2014 – 2019 |
| Glenn College of Public Affairs Ohio State University | |
| <i>Faculty</i> | 2011 – 2012 |
| Department of Industrial Engineering Universidad Militar Nueva Granada, Colombia | |
| <i>Faculty</i> | 2007 – 2008 |
| Business School Universidad del Norte, Colombia | |

PROFESSIONAL EXPERIENCE

Senior Analyst

National Planning Department – Public Procurement Agency, Colombia

2012 – 2013

Financial Consultant

Centro de Investigacion de Telecomunicaciones (CINTEL), Colombia

2011 and 2013

JOURNAL ARTICLES

Dormady, N., Rose, A., **Roa-Henriquez, A.** & Morin, B. (Forthcoming). The Cost-Effectiveness of Economic Resilience. *International Journal of Production Economics*, xx(x), pp-ppp.

Dormady, N., Fasano, A., **Roa-Henriquez, A.**, Flanagan, D., Welch, W., & Wood, D. (Forthcoming). Informational Determinants of Large-area Hurricane Evacuations. *Bulletin of the American Meteorological Society*, xx(x), pp-ppp.

Helgeson, J., Fung, J. and **Roa-Henriquez, A.** (2021), Rationally Bounded in a Storm of Complex Events: Small Businesses Facing Natural Hazard Resilience During a Pandemic. *Journal of Behavioral Economics for Policy*, 4(S3), 55-65.

Dormady, N., **Roa-Henriquez, A.** & Rose, A. (2019). Economic Resilience of the Firm: A Production Theory Approach. *International Journal of Production Economics*, 208, 446-460.

Winner of the Robert Backoff Research Award for Best Paper in the Glenn College (2018)

Dormady, N., Hoyt, M. **Roa-Henriquez, A.** & Welch, W. (2019). Who Pays for Retail Electric Deregulation?: Evidence of Cross-Subsidization from Complete Bill Data. *The Energy Journal*, 40(2), 161-194.

CHAPTERS IN BOOKS

Helgeson, J. & **Roa-Henriquez, A.** (Forthcoming). Supply Chain Resilience Planning & the Theory of Planned Behavior: A Theoretical Framework. In Khojasteh, Y. (Ed). Book chapter in *Managing Supply Chain Risks: Strategies, Methods and Applications* (pp. xxx-xxx). Springer.

Dormady, N., Rose, A., Rosoff, H. & **Roa-Henriquez, A.** (2018). Estimating the Cost-Effectiveness of Resilience to Disasters: Survey Instrument Design & Refinement of Primary Data. In, Ruth, M., & Reisman, S.G. (Eds). Book chapter in *Handbook on Resilience of Socio-Technical Systems* (pp. 227-246). Cheltenham: Edward Elgar.

PAPERS IN PROGRESS

Roa-Henriquez, A., Helgeson, J., & Fung, J. Resource Sharing, Supply Chain Disruption, and Perceptions: A Mediation Model of Business Resilience During the Covid-19 Pandemic (In preparation)

Helgeson, J., **Roa-Henriquez, A.**, & Watson, M. Business Recovery in Lumberton after Hurricane Florence (In preparation).

Roa-Henriquez, A. The Relationship between Resource Sharing and Economic Resilience: An Empirical Analysis of Firms' Resilience from the Perspective of Resource Dependence Theory (draft)

Roa-Henriquez, A., Dormady, N. Critical Resource Pooling & Economic Resilience: A Resource Dependence Approach (draft)

Roa-Henriquez, A., & Hassan, S. Quality of Governance or Perceptions of Quality? A Multilevel Analysis of Firms' Decisions to Engage in Corruption (draft).

NIST PUBLICATIONS AND BRIEFING DOCUMENTS

Helgeson, J., Fung, J., **Roa Henriquez, A.**, Zycherman, A., Butry, D., Nierenberg, C., Ramkissoon, D. (2020). Respondent Summary Report – Business Survey: COVID-19 Impacts and Recovery in the Context of Complex Events, NIST SP 1264, Gaithersburg, MD. <https://doi.org/10.6028/NIST.SP1264>

- Helgeson, J., Fung, J., **Roa-Henriquez, A.**, Zhang, Y., Zycherman, A., Nierenberg, C., Butry, D., Ramkissoon, D. (2020). Complex Event Resilience of Small- and Medium-Sized Enterprises: Natural Disaster Planning During the COVID-19 Pandemic, NIST SP 1258, Gaithersburg, MD. <https://doi.org/106028/NIST.SP1258>
- Helgeson, J., Fung, J., **Roa-Henriquez, A.**, Zhang, Y., Zycherman, A., Nierenberg, C., Butry, D., Ramkissoon, D. (2020). Complex Event Resilience of Small- and Medium-Sized Enterprises: Natural Disaster Planning During the COVID-19 Pandemic. Briefing Document, NIST SP 1259, Gaithersburg, MD. <https://doi.org/106028/NIST.SP1259>.
- Helgeson, J., Fung, J., Zhang, Y., **Roa-Henriquez, A.**, Zycherman, A., Nierenberg, C., Butry, D., Ramkissoon, D. (2020). Eliciting lessons from small- and medium-sized enterprises (SMEs) for natural disaster resilience planning and recovery during the COVID-19 pandemic: SME Complex Event Resilience, NIST DCI 002, Gaithersburg, MD. <https://doi.org/106028/NIST.DCI002>.

PROCEEDINGS

- Roa-Henriquez, A.** (2020). Resource Sharing: An Empirical Analysis of Firms' Resilience Through Resource Dependence Theory. *Academy of Management Proceedings*, Vol. 2020, No.1.
- Roa-Henriquez, A.**, & Hassan, S. (2017). To Bribe or not to Bribe: A Multilevel Analysis of Effects of Quality of Governance on Bribery. *Academy of Management Proceedings*, Vol. 2017, No.1.

PRESENTATIONS AT CONFERENCES AND WORKSHOPS

- Resource Sharing, Supply Chain Disruption, and Perceptions: A Mediation Model of Business Resilience During the Covid-19 Pandemic. Western Economic Association International Conference, WEAI. June 29-July 3, 2021 Online Presentation
- Characterizing Regional Disaster and Resilience in Terms of Supply Chain Effects and Input-Output Economic Data. Production and Operations Management Annual Conference, POMS. April 30-May 5, 2021 – Online Presentation.
- Supply Chain Resilience Planning and The Theory of Planned Behavior: A Theoretical Framework. International Joint Conference on Industrial Engineering and Operations Management, IJCIEOM. February 22-24, 2021 – Online Presentation.
- Resource Sharing: An Empirical Analysis of Firm's Resilience through Resource Dependence Theory. Academy of Management Conference, AOM. August 7-11, 2020 – Online Presentation.
- Hope for Economically Sustainable Mitigation and Recovery. Natural Hazards Center – Natural Hazards Workshop 2020. July 12-15 – Online Presentation.
- Influence of a Resource Sharing Strategy on Business Recovery. U.S. Department of Homeland Security – Centers of Excellence Summit 2018. George Mason University, May 29-31, 2018 – Arlington, VA.
- Who Pays for Retail Electric Deregulation? Evidence of Cross-Subsidization from Complete Bill Data. American Economic Association, ASSA. January 5-7, 2018 – Philadelphia, PA.
- To Bribe or not to Bribe: A Multilevel Analysis of Effects of Quality of Governance on Bribery. Academy of Management Conference, AOM. August 4-8, 2017 – Atlanta, GA.
- Do Institutions Matter on Reducing in Bribery by Firms to Secure Government Contracts? Midwest Public Affairs Conference, MPAC. June 2-4, 2016 – Columbus, OH.

ACADEMIC AWARDS AND HONORS

- Robert Backoff Research Award – Glenn College, Ohio State University – 2018
 Scholarship – Colciencias, Colombian Government – 2014
 Scholarship – Colfuturo Program, Colombian Government, 2009