

# Alfonso J. Pedraza-Martinez

Department of Operations & Decision Technologies  
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## Academic Positions

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- Indiana University, Kelley School of Business. Bloomington–Indiana, USA.
  - Associate Professor (Promoted with tenure in 2017). August 2017 – Present.
  - Department Chair, Operations and Decision Technologies. August 2021 – August 2022.
  - Assistant Professor. August 2011 – July 2017.
- ★ *John & Esther Reese Professor*. August 2021 – Present.
- ★ *Grainger Faculty Fellow*. Kelley School of Business, Indiana University. 2017-2021.
- INSEAD. Fontainebleau, France.
  - Visiting Scholar. Summer 2013, Summer 2018.
- Universidad de los Andes, School of Management. Bogota, Colombia.
  - Instructor, July 2004 – August 2006.
  - Research Assistant, August 2003 – July 2004.

## Education

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- PhD. Management. INSEAD, France. 2011.
  - ★ *Best PhD Proposal Award*. College of Sustainable Operations, Production and Operations Management Society (POMS). 2010.
- MSc. Management. INSEAD, France. 2009.
- MSc. Economics. Universidad Nacional, Colombia. 2004.
- BSc. Industrial Engineering (5-year Degree). Universidad de los Andes, Colombia. 1998.

## Research Interests

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- Humanitarian Operations, Disaster Management, Nonprofit Operations, Sustainability.

## Editorial Positions

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- Senior Editor, *Production and Operations Management (POM)*, since 2015.
- Associate Editor, *Manufacturing & Service Operations Management (M&SOM)*, since 2021.
- Associate Editor, *Information Systems Research (ISR)*, Special Issue: “Unleashing the Power of Information Technology for Strategic Management of Disasters”, 2021-2023.
- Associate Editor, *Decision Sciences Journal (DSJ)*, since 2020.
- Editorial Review Board, *Journal of Operations Management (JOM)*, since 2015.
- Editorial Advisory Board, *Journal of Humanitarian Logistics and Supply Chain Management*, since 2021.

## Edited Special Issues

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- *Production and Operations Management*, 2019-2021.
  - Humanitarian Operations and the UN Sustainable Development Goals.
  - Co-Editors: M. Besiou and L.N. Van Wassenhove.

- *European Journal of Operational Research*, 2016–2018.
  - Operations Research Applied to Humanitarian Operations.
  - Co-Editors: M. Besiou and L.N. Van Wassenhove.
- *Journal of Operations Management*, 2014–2016.
  - Humanitarian Operations Management.
  - Co-Editor: L.N. Van Wassenhove.

## Journal Publications

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- Corbett, C., A.J. Pedraza-Martinez, L.N. Van Wassenhove. 2022. Sustainable Humanitarian Operations: An Integrated Perspective. Forthcoming at *Production and Operations Management*.
  - Included in a Special Issue to celebrate *Production and Operations Management*'s 30<sup>th</sup> anniversary.
  - Featured in INSEAD Knowledge's "Making Humanitarian Operations More Sustainable." June, 2022.
  - Featured in UCLA Anderson Review "Can Humanitarian Aid Turn Wastefulness to Sustainability?" September, 2022.
- Kotsi, T., O.Q. Wu., A.J. Pedraza-Martinez. 2022. Donations for Refugee Crises: In-kind Versus Cash Assistance. Forthcoming at *Manufacturing & Service Operations Management*.
  - ★ *Honorable Mention*, MSOM Responsible Research Award, June 2022.
- Besiou, M., A.J. Pedraza-Martinez, L.N. Van Wassenhove. 2021. Humanitarian Operations and the UN Sustainable Development Goals. *Production and Operations Management*, 30(12) 4343–4355 (Authors in Alphabetical Order).
  - Introduction to the special issue "Humanitarian Operations and the United Nations Sustainable Development Goals."
- Rayawan, J., V. Tipnis, A.J. Pedraza-Martinez. 2021. On the Connection between Disaster Mitigation and Disaster Preparedness: The case of Aceh Province, Indonesia. *Journal of Humanitarian Logistics and Supply Chain Management*, 11(1) 135–154.
- Pedraza-Martinez, A.J., S. Hasija, L.N. Van Wassenhove. 2020. Fleet Coordination in Decentralized Humanitarian Operations Funded by Earmarked Donations. *Operations Research*, 68(4) 984–999.
- Mejia, J., G. Urrea., A.J. Pedraza-Martinez. 2019. Operational Transparency in Crowdfunding Platforms: Effect on Donations for Emergency Response. *Production and Operations Management*, 28(7) 1773–1791.
  - ★ *Best Paper Runner-Up*, Humanitarian Operations Track, POMS 2019.
- Yan, L., A.J. Pedraza-Martinez. 2019. Social Media for Disaster Management: Operational Value of the Social Conversation. *Production and Operations Management*, 28(10) 2514–2532.
  - ★ *Best Paper Runner-Up*, Humanitarian Operations Track, POMS 2016.
- Urrea, G., A.J. Pedraza-Martinez, M. Besiou. 2019. Volunteer Management in Charity Storehouses: Experience, Congestion and Operational Performance. *Production and Operations Management*, 28(10) 2653–2671.
- Ferrer, F., J. Martin, M.T. Ortuño, A.J. Pedraza-Martinez, G. Tirado and B. Vitoriano. 2018. Multi-Criteria Optimization for Last Mile Distribution of Disaster Relief Aid: Test Cases and Applications. *European Journal of Operational Research*, 269(2) 501–515 (Authors in Alphabetical Order).
- Stauffer, J.M., A.J. Pedraza-Martinez, L. Yan, L.N. Van Wassenhove. 2018. Asset Supply Networks in Humanitarian Operations: A Combined Empirical-Simulation Approach. *Journal of Operations Management*, 63 44–58.

- Besiou, M., A.J. Pedraza-Martinez, L.N. Van Wassenhove. 2018. OR Applied to Humanitarian Operations. *European Journal of Operational Research*, 269(2) 397–405 (Authors in Alphabetical Order).
  - Introduction to the special issue “OR Applied to Humanitarian Operations.”
- Jola-Sanchez, A.F., A.J. Pedraza-Martinez, K. Bretthauer, R. Britto. 2016. Effect of Armed Conflicts on Humanitarian Operations: Total Factor Productivity and Efficiency of Rural Hospitals. *Journal of Operations Management*, 45 73–85.
- Aflaki, A., A.J. Pedraza-Martinez. 2016. Humanitarian Funding in a Multi-Donor Market with Donation Uncertainty. *Production and Operations Management*, 25(7) 1274–1291.
- Stauffer, J.M., A.J. Pedraza-Martinez, L.N. Van Wassenhove. 2016. Temporary Hubs for the Global Vehicle Supply Chain in Humanitarian Operations. *Production and Operations Management*, 25(2) 192–209.
- ★ *Best Paper Award*, Humanitarian Operations Track, POMS 2014.
- Pedraza-Martinez, A.J., L.N. Van Wassenhove. 2016. Empirically-Grounded Research in Humanitarian Operations Management: the Way Forward. *Journal of Operations Management*, 45 1-10.
  - Introduction to the special issue “Humanitarian Operations Management.”
- Besiou, M., A.J. Pedraza-Martinez, L.N. Van Wassenhove. 2014. Vehicle Supply Chains in Humanitarian Operations: Decentralization, Operational Mix and Earmarked Funding. *Production and Operations Management*, 23(11) 1950–1965 (Authors in Alphabetical Order).
  - ★ *Best Paper Award*, Humanitarian Operations Track, POMS 2012.
- Pedraza-Martinez, A.J., O. Stapleton, L.N. Van Wassenhove. 2013. On the Use of Evidence in Humanitarian Logistics Research. *Disasters*, 37(1) 51–67.
- Pedraza-Martinez, A.J., L.N. Van Wassenhove. 2013. Vehicle Replacement in the International Committee of the Red Cross. *Production and Operations Management*, 22(2) 365–376.
  - ★ *Best Paper Award*. Decision Sciences and Operations Management Track, Trans-Atlantic Doctoral Conference. London Business School, 2009.
- Pedraza-Martinez, A.J., L.N. Van Wassenhove. 2012. Transportation and Vehicle Fleet Management in Humanitarian Logistics: Challenges for Future Research. *EURO Journal on Transportation and Logistics*, 1(1-2) 185–196.
- Van Wassenhove, L.N., A.J. Pedraza-Martinez. 2012. Using OR to Adapt Supply Chain Management Best Practices to Humanitarian Logistics. *International Transactions in Operational Research*, 19(1-2), 307–322.
- Pedraza-Martinez, A.J., O. Stapleton, L.N. Van Wassenhove. 2011. Field Vehicle Fleet Management in Humanitarian Operations: A Case-Study Based Approach. *Journal of Operations Management*, 29(5) 404–421.
  - ★ Exemplary Contribution cited in “Notes from the Editors: Restructuring the Journal of Operations Management,” V.D.R. Guide Jr., M. Ketokivi. *Journal of Operations Management*, 2015, 38, v-x.

## Ongoing research

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- Dynamic Allocation of NGO Funds among Program, Fundraising, and Administration. Under second round of review at *Manufacturing & Service Operations Management*. With T. Kotsi, A. Aflaki and G. Aydin.
- Tweet in Unison? Examining Content Coordination and Social Media Engagement during Disasters. Under second round of review at *Information Systems Research*. With E. Yoo, C. Yoo and L. Yan.

- Donations in Humanitarian Operations: Earmarking, Competition and Joint Fundraising. Under second round of review at *Manufacturing & Service Operations Management*. With A. Aflaki.  
 ★ *Finalist*, Public Sector Operations Research Best Paper Award, INFORMS, 2022.  
 ★ *Honorable Mention*, Best Paper Competition, Humanitarian Operations Track, POMS, 2022.
- How to Share Prosocial Behavior without a Negative Perception? Under second round of review at *Management Information Systems Quarterly*. With J. Tan and L. Yan.
- Improving Drinking Water Access and Equity in Rural Sub-Saharan Africa. Second major revision invited at *Production and Operations Management*. With C. Zhai, K. Bretthauer, J. Mejia.  
 ★ *Finalist*, MSOM Best Student Paper Competition, 2022.  
 ★ *Honorable Mention*, Best Paper Competition, Humanitarian Operations Track, POMS 2021.
- Communities in the Crossfire: How Companies Can Do Well by Doing Good. Reject and resubmit at *Management Science*. With A.F. Jola-Sanchez and L. Turrini.
- Fear Reduction through Social Media Updates during Wildfires. Reject and resubmit at *Management Science*. With P. Moravec, L. Yan, and S. Villa.
- Business Analytics: Opportunities and Challenges for Disaster Management Research. With L. Yan, Y. Kan, and G. Urrea. Working paper.
- Fleet Composition Management in Response to Natural Disasters and Armed Conflicts. With T. Kotsi and M. Besiou. Ongoing analysis.
- Gender and Crowdfunding for Emergency Response. With J. Mejia and K. Kelley. Ongoing analysis.
- Industrialization of Humanitarian Operations: The Role of Standards. With J. Mejia and G. Urrea. Ongoing analysis.
- Customer Preferences in Cause Marketing Initiatives. Work in progress. With V. Tipnis, S. Villa and F. Gao. Ongoing analysis.
- Keep Water Flowing: The Hidden Crisis of Rural Water Management in Sub-Saharan Africa. With C. Zhai, R. Parker, K. Bretthauer, J. Mejia. Ongoing analysis.

## Book Chapters

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- Private Donations and the Disaster Management Cycle. In “Decision-Making in Humanitarian Operations - Strategy, Behavior and System Dynamics.” Edited by S. Villa, G. Urrea, J.A. Castañeda, E. Larsen. 2018. *Palgrave Macmillan*. With G. Urrea.
- On the Use of Information in Humanitarian Operations. In “Decision Aid Models for Disaster Management and Emergencies.” Edited by J. Montero and B. Vitoriano, Department of Mathematics, Universidad Complutense, Spain. *Atlantis Computational Intelligence Systems Volume 7, 2013*, pp. 1-15.

## Pedagogical Publications

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- Network Hubs in Humanitarian Logistics. *ECCH 01/2017/6266*. 2017. With J.M. Stauffer and L.N. Van Wassenhove.
- The Armenia Earthquake: Grinding Out an Effective Disaster Response in Colombia’s Coffee Region. In “Sustainability in Supply Chain Management Casebook: Applications in SCM.” Edited by Steven M. Leon. *Pearson Education*. 2013. *Part of the FT Press Operations Management Series*, pp. 3–26. With L.N. Van Wassenhove, C. Estrada Mejia and O. Stapleton.

- Revised version published in *Operations Management Education Review*, 4, pp. 5–40. 2010.
- Published as a case by *European Case Clearing House (ECCH)* 609-028-1. 2009.
- Managing Projects in Decentralised Organizations. *ECCH* 612-008-1. 2011. With O. Stapleton and L.N. Van Wassenhove.
- Fleet Care: Servicizing in the Humanitarian World. *ECCH* 609-027-1. 2009. With O. Stapleton and L.N. Van Wassenhove.

## Managerial Publications

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- Giving Refugees Money Instead of Stuff Can Lead to Price Gouging - But It Doesn't Have to. *The Conversation*. Published June 3, 2022. With O. Wu and T. Kotsi.
- Responding to the Haiti Earthquake Disaster: One Year On. *POMS Chronicle*, 2011, 18 (1), pp. 12–15. With J. Balaisyte, O. Stapleton and L.N. Van Wassenhove.
- Using OR to Support Humanitarian Operations: Learning from the Haiti Earthquake. INSEAD Working Paper 2010/47/TOM/ISIC. With O. Stapleton and L.N. Van Wassenhove.
- Funding Structures in Humanitarian Organizations. *International Aid & Trade Review*, 2009, pp. 39–43. With O. Stapleton, R. McConnell and L.N. Van Wassenhove.
- Last Mile Vehicle Supply Chain in the International Federation of Red Cross and Red Crescent Societies. INSEAD Working Paper 2009/40/TOM/ISIC. With O. Stapleton and L.N. Van Wassenhove.
- Vehicle Replacement in the Humanitarian Sector. *Car Nation N. 4*, 2008, pp. 22–25. With O. Stapleton.
- The Impact of Catastrophes on Shareholder Value: The Latin American Case (Ad-hoc Translation of 'El Impacto de las Catastrofes en el Valor de las Acciones. El Caso Latinoamericano'). *Cuadernos de Economía*, 23 (40) pp. 111–141, 2004.
- ★ *Outstanding Research Distinction*. Universidad de los Andes School of Management, 2005.

## Other Academic Awards and Honors

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- ★ *Luk Van Wassenhove Career Award*, European Working Group on Humanitarian Operations (EURO HOpe), 2022.
- ★ Supervised PhD dissertation of Telesilla Kotsi won the 2021 *Elwood Buffa Dissertation Award*, at Decision Sciences Institute Annual Conference, 2021.
- ★ *Meritorious Service Award*. M&SOM, 2020.
- ★ *Sauvain Teaching Award*, Finalist. Kelley School of Business, Indiana University, 2016.
- ★ *Service Teaching Award*, Finalist. Kelley School of Business, Indiana University, 2016.
- ★ *Trustee Teaching Award*, Finalist. Kelley School of Business, Indiana University, 2015.
- ★ Featured in *Annual Research Report*, the Indiana University Vice President for Research, 2014.
- ★ Supervised research of Laura Hoover won the *Kate Hevner Mueller Outstanding Senior Class of 2013 Award*, Indiana University, 2013.
- ★ Supervised research of Soraya Zoque and Angelica Patiño was published at the *Best Thesis Monograph Series*, Universidad de los Andes, 2008.
- ★ Supervised research of Diego Martinez Quiñonez was published at the *Best Thesis Monograph Series*, Universidad de los Andes, 2007.

★ PhD Scholarship. INSEAD 2006 – 2011.

## Grants

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- \$2,500 Research Grant. Center for International Business Education and Research (CIBER), Indiana University, 2019.
- \$2,500 Research Grant. Center for International Business Education and Research (CIBER), Indiana University, 2018.
- \$700 Overseas Conference Grant. Office of the Vice-President for International Affairs, Indiana University, 2012.

## Media Mentions and Public Videos

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- Indiana University Research Impact Podcast: “Racial justice protests, and helping refugees”. April 1, 2022.
- “New Research Finds Partnership Between Humanitarian Organizations and Government is Essential to Providing Cash Assistance to Refugees,” *INFORMS Press Release*, March 21, 2022.
- Indiana University News Release: “Transparency from charities about how funds are used builds trust and increases giving”. April 15, 2019.
- Quoted in “How infrastructure can improve mass evacuations” by Kim Slowey, *ConstructionDive*, September 2017.
- Quoted in “How technology is reinventing logistics” by Minda Zetlin, *Profit Magazine*, February 2016.
- Quoted in: “Katrina: How the political ball gets dropped during disaster” by George Jones, *Raycom Media*, August 2015.
- Indiana University News Release: “IU Expert Comments on Fuel Shortage, Logistical Challenges Following Superstorm Sandy”. Nov 5, 2012.
- Vehicle Replacement at the International Committee of the Red Cross, Kelley Institute of Business Analytics. 2012. (youtube.com)
- Humanitarian Logistics, Kelley School of Business, Indiana University. 2012. (indiana.edu)
- Mining for knowledge: The Universidad de los Andes Success Case. SAS, 2006.

## Invited Academic Talks

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- Pamplin College of Business, Virginia Tech. Blacksburg, VA, USA, October 7, 2022. Competition and Collaboration on Fundraising for Short-Term Disaster Response: The Impact on Earmarking and Performance.
- Mendoza College of Business, University of Notre Dame. Notre Dame, IN, USA, October 8, 2021. Earmarked Donations for Disaster Response: Competition vs. Joint Fundraising.
- Singapore Management University. Singapore, August 16, 2019. Operations Management Summer Camp 2019. Discussant of Post-Disaster Humanitarian Logistics Planning: A Time-to-Survive Framework by Y. Gao et al.
- Carlson School of Management, University of Minnesota. Minneapolis, MN, USA, October 28, 2016. Actionable Information for the Disaster Management Cycle through Social Media.
- Fisher School of Business, Ohio State University. Columbus – Ohio, USA, September 30, 2016. Actionable Information for the Disaster Management Cycle through Social Media.

- School of Mathematics, Universidad Complutense. Madrid, Spain, September 15, 2016. Actionable Information for the Disaster Management Cycle through Social Media.
- III International Congress on Industry and Organizations (Plenary Speaker), Cali, Colombia, August 25, 2016. Empirically-Grounded Research in Humanitarian Operations Management: the Way Forward.
- Universidad de los Andes School of Management. Bogota, Colombia, September 23, 2014. Temporary Hubs for the Global Vehicle Supply Chain in Humanitarian Operations.
- Kuehne Logistics University. Hamburg, Germany, July 5, 2012. Fleet Management Coordination in Decentralized Humanitarian Operations.
- School of Mathematics, Universidad Complutense. Madrid, Spain, May 8 - 12, 2011. Humanitarian Logistics: a Field Perspective.
- School of Business, University of Florida. Gainesville – Florida, USA, February 14, 2011. An Operational Mechanism Design for Fleet Management Coordination in Humanitarian Operations.
- Kelley School of Business, Indiana University. Bloomington – Indiana, USA, February 7, 2011. An Operational Mechanism Design for Fleet Management Coordination in Humanitarian Operations.
- Queen’s University. Kingston, Canada, February 3, 2011. An Operational Mechanism Design for Fleet Management Coordination in Humanitarian Operations.
- Fisher School of Business, Ohio State University. Columbus – Ohio, USA, February 1, 2011. An Operational Mechanism Design for Fleet Management Coordination in Humanitarian Operations.
- Sungkyunkwan University, Graduate School of Business. Seoul, Korea, January 25, 2011. An Operational Mechanism Design for Fleet Management Coordination in Humanitarian Operations.
- IESE. Barcelona, Spain, January 12, 2011. An Operational Mechanism Design for Fleet Management Coordination in Humanitarian Operations.
- Tilburg University. Tilburg, the Netherlands, January 20, 2011. An Operational Mechanism Design for Fleet Management Coordination in Humanitarian Operations.
- Kuehne Logistics University. Hamburg, Germany, June 2010. Incentive Coordination in Humanitarian Fleet Management.
- POMS College of Sustainable Operations Mini-Conference, Vancouver, Canada, May 7, 2010. Humanitarian Logistics: a Field Perspective.
- Erasmus University. Rotterdam, the Netherlands, February 19, 2010. Field Vehicle Fleet Management in Humanitarian Operations: a Case-Based Approach.
- Universidade Nova. Lisbon, Portugal, February 2010. Field Vehicle Fleet Management in Humanitarian Operations: a Case-Based Approach.
- Universite Catholique de Louvain, CESC. Brussels, Belgium, January 21, 2010. Incentive Coordination in Humanitarian Fleet Management.
- Universidad de los Andes School of Management. Bogota, Colombia, November 2009. Vehicle Replacement in the International Committee of the Red Cross.

### **Invited Presentations in Academic Conferences**

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- Improving Drinking Water Access and Equity in Rural Sub-Saharan Africa. INFORMS, Indianapolis, Indiana, October 18, 2022.
- Panel - Creating a Co-author Network in Operations and Supply Chain Management. POMS. Online, April 22, 2022.
- Data Analytics for Disaster Management: Research Opportunities and Challenges.

- POMS. Online, April 24, 2022.
- INFORMS, Online, October 27, 2021.
- Sustainable Humanitarian Operations: A Forward-Looking Perspective. Decision Sciences Institute Annual Conference. Online, November 19, 2021.
- Panel - Meeting Rigor with Relevance in Humanitarian Operations. Decision Sciences Institute Annual Conference. Online, November 17, 2021.
- Panel - Humanitarian Supply Chain and Sustainable Innovation: Exploring Ways Forward for Practice and Academia. Decision Sciences Annual Conference. Online, November 21, 2020.
- Communities in the Crossfire: How Companies Can Do Well by Doing Good. INFORMS, Online, November 8, 2020.
- Fleet Composition Management in Response to Natural Disasters and Armed Conflicts. INFORMS, Seattle, WA, October 21, 2019.
- Funding-Based Competition in Humanitarian Operations.
  - EURO, Dublin, Ireland, June 24, 2019.
  - POMS, Orlando FL, USA, May 6, 2016.
- OR Applied to Humanitarian Operations. EURO, Valencia, Spain, July 9, 2018.
- Inventory Fortification, Decentralization and Response Interval for the Disaster Management Cycle. POMS, Houston TX, May 6, 2018.
- Actionable Information for the Disaster Management Cycle through Social Media. INFORMS, Nashville TN, November 13, 2016.
- Volunteer Management in Charity Storehouses, INFORMS, Nashville TN, November 16, 2016.
- Empirical Research in Humanitarian Operations Management: the Way Forward.
  - EURO HOpe mini-conference, Hamburg, Germany, March 4, 2016.
  - POMS, Orlando FL, USA, May 7, 2016.
- Effect of Armed Conflicts on Humanitarian Operations: Total Factor Productivity and Efficiency of Rural Hospitals.
  - POMS, Orlando FL, USA, May 6, 2016.
  - INFORMS, Philadelphia, PA, USA, November 4, 2015.
- Humanitarian Funding in a Multi-donor Market with Donation Uncertainty. INFORMS, Philadelphia, PA, USA, November 4, 2015.
- Potential of Social Media for Disaster Management. POMS, Washington D.C., USA, May 8, 2015.
- Donor Behavior and Earmarked Donations. National Science Foundation Workshop on Multi-Disciplinary Research on Disaster Response Logistics, Washington D.C., USA, December 2, 2014.
- Temporary Hubs for the Global Vehicle Supply Chain in Humanitarian Operations.
  - INFORMS, San Francisco–California, USA, November 12, 2014.
  - Universidad ICESI. Cali, Colombia, September 12, 2014.
- Vehicle Supply Chains for Disaster Response in International Humanitarian Organizations
  - INFORMS, Minneapolis–Minnesota, USA, October 7, 2013.
  - POMS, Denver–Colorado, USA, May 4, 2013.



- Funding Structures in Humanitarian Relief and Development Programs
  - POMS, Denver–Colorado, USA, May 3, 2013.
  - EURO, Vilnius, Lithuania, July 11, 2012.
  - P&OM, Amsterdam, the Netherlands, July 4, 2012.
- An Operational Mechanism Design for Fleet Management Coordination in Humanitarian Operations. Fleet Management Coordination in Decentralized Humanitarian Operations
  - MSOM, Fontainebleau, France, July 30, 2013.
  - INFORMS, Phoenix–Arizona USA, October 15, 2012.
  - POMS, Chicago–Illinois, USA, April 21, 2012.
  - University of Michigan, PhD Seminar on SCM, Ann Arbor–Michigan, USA, December 7, 2011.
  - POMS, Reno–Nevada, USA, April 30, 2011.
  - INFORMS, Austin –Texas, USA, November 9, 2010.
- Incentive Coordination in Humanitarian Fleet Management
  - ALIO - INFORMS, Buenos Aires, Argentina, June 6, 2010.
  - POMS, Vancouver, Canada, May 8, 2010.
  - INFORMS, San Diego –CA, USA, October 14, 2009.
- Field Vehicle Fleet Management in Humanitarian Operations: a Case-Based Approach. POMS, Canada, May 8, 2010.
- Vehicle Replacement in the International Committee of the Red Cross
  - Ninth Trans-Atlantic Doctoral Conference – LBS, London, England, May 14, 2009.
  - INFORMS, Washington–DC, USA, October 15682, 2008.
  - POMS, La Jolla – CA, USA, May 11, 2008.
- Fleet Management in Humanitarian Logistics
  - POMS, Chicago–Illinois, USA, April 21, 2012.
  - Invited Speaker at the Inaugural Humanitarian Assistance Research Thought Leaders (HART) Workshop, Kuehne Logistics University, Hamburg, Germany, January 16, 2012.
  - INFORMS, Charlotte–NC, USA, November 14, 2011.
- Last Mile Vehicle Supply Chain in the IFRC. POMS, Reno–Nevada, USA, April 29, 2011.
- Humanitarian Logistics: a Field Perspective. University of Paris XII, Paris, France, November 25, 2009.
- Impact of Catastrophes on Shareholder Value: the Latin American Case. Business Association of Latin American Studies (BALAS) Annual Conference, Instituto Empresa (IE) Business School, Madrid, Spain, May 26, 2005.

### **Invited Presentations in Practitioner Conferences**

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- Aid & International Development Forum. Washington D.C., USA, June 2012. Fleet Management Standards – Improving Fleet Management Practices in Humanitarian Organizations.
- Fleet Forum Annual Conference. Geneva, Switzerland, March 2011. Vehicle Tracking Technology for Fleet Management in Humanitarian Organisations: Add-On or Add-Value?
- Fleet Forum Annual Conference. Fontainebleau, France, February 2010. The Effect of Fleet Configuration on 4x4 Fleet Size. Dedicated vs. Shared Fleets.

- HBS Program for Leadership Development Alumni Reunion, Paris, France, June 2009. Fleet Care - Who Cares? Breaking New Ground in Humanitarian / Private Sector Collaboration.
- Fleet Forum Annual Conference. Brindisi, Italy, November 2008. Fleet Management in the Humanitarian Sector.
- Kjaer Group. Svendborg, Denmark, September 2008. Fleet Management in the Humanitarian Sector.
- Fleet Forum Annual Conference. Vienna, Austria, October 2007. Vehicle Replacement in the International Committee of the Red Cross.

## Teaching Experience in North America

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- Indiana University, Kelley School of Business (USA)
  - PhD. P635: Special Topics in Operations Management, Humanitarian Operations Management. Spring 2012, 2014.
  - PhD. K635: Special Topics in Decision Sciences, Humanitarian Operations Management. Spring 2021.
  - MBA. P506: Logistics and Distribution. Spring: 2012–2015.
  - Online MBA. E733: Supply Chain Management - Enterprise Operations & Planning. Spring: 2012–2019, 2021, 2022.
  - Undergraduate. K303: Technology and Business Analytics. Fall, 2022.
  - Undergraduate. P431: Logistics and Distribution. Spring: 2012–2019, 2021.

## Teaching Experience in Europe

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- Bordeaux School of Management (France)
  - Masters in Global Supply Chain Management. Introduction to Humanitarian Logistics. Spring 2010, 2011.

## Teaching Experience in South America

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- Universidad de los Andes, School of Management (Colombia)
  - MBA. Data Mining. Spring 2005.
  - Undergraduate. Optimization 2004, 2005; Simulation, Spring 2006; Spreadsheet Modeling 2004 – 2006.

## Curriculum Development

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- PhD. Humanitarian Operations Management. Research Seminar. 2012, 2021.
- Online MBA. Supply Chain Management - Enterprise Operations & Planning. I received the course title and developed all the material. 2012.
- MBA. Logistics and Distribution. I received the course title and developed all the material. 2012.
- MBA. Data Mining. 2005.
- Undergraduate in Business. Logistics and Distribution. I received the course title and developed all the material. 2011.

## Supervision to Students

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- PhD Students in USA

- Co-Chair of the PhD Committee of Chengcheng Zhai, Operations and Decision Technologies Department, Kelley School of Business, Indiana University.
- Chair of the PhD Committee of Telesilla O. Kotsi, Operations and Decision Technologies Department, Kelley School of Business, Indiana University.
  - Appointed Assistant Professor (Tenure Track) at Fisher College of Business, Ohio State University, 2020.
- Chair of the PhD Committee of Andres Jola-Sanchez, Operations and Decision Technologies Department, Kelley School of Business, Indiana University.
  - Appointed Assistant Professor (Tenure Track) at Mays Business School, Texas A&M University, 2018.
- Member of the PhD Committee of Jon Stauffer, Operations and Decision Technologies Department, Kelley School of Business, Indiana University, 2016.
- PhD Students in Europe
  - Ad-Hoc Advisor to Gloria Urrea, Visiting PhD Student, Operations and Decision Technologies Department, Kelley School of Business, Indiana University, 2017-2019.
  - Appointed Assistant Professor (Tenure Track) at Leeds School of Business, University of Colorado Boulder, 2019.
  - Referee for the PhD proposal of Xishu Li, “Green Port Initiatives and Environmental Fleet Management”, supervised by Prof. dr Rommert Dekker, Prof.dr. Rene de Koster and Prof.dr. Rob Zuidwijk. Erasmus University and Rotterdam School of Economics at the Erasmus University Rotterdam (ERIM). 2014.
  - Referee for the PhD proposal of Harwin de Vries, supervised by Prof.dr. A.P.M. Wagelmans. ERIM. 2014.
- PhD Students in Latin America
  - Referee for the qualification exam of Diana Guzman. Universidad de la Sabana, Colombia. January 2020.
- Masters Students
  - Rob McConnell. The Road to Polio Eradication in India. University of Lugano, Switzerland. Masters in Humanitarian Logistics & Management, 2011.
  - James D. Nowselski. Supervised Independent Study Project. MBA. Global Logistics: the Case of Singapore-Based Firms. Indiana University, USA. 2015.
- Undergraduate Students
  - Vinit Tipnis. Supervised Independent Research Project. BSc. in Business. Global Fleet Size Analysis of the UN. Indiana University, USA. 2018.
    - Mr. Tipnis joined the PhD Program in Operations Management at the Kelley School of Business, Indiana University in 2020.
  - James Rayawan. Supervised Independent Research Project. BSc. in Business. Assessing Resilience and Mitigation Capacity in Indonesia Post 2004 Indian Ocean Earthquake and Tsunami. Indiana University, USA. 2017.
  - Hao Ding. Supervised Independent Research Project. BSc. in Business. Vehicle Tracking and Pooling in the United Nations Development Program – UNDP. Indiana University, USA. 2017.
    - Mr. Ding joined the PhD Program in Operations Management at the Goizueta Business School, Emory University in 2018.

- Laura Hoover. Supervised Independent Research Project. BSc. in Business, Honors Program: A Case Study of How the Investment of International Development Internships Generate Lasting Returns in Uganda. Indiana University, USA. 2012-2013.
- Soraya Zoque and Angelica Patino. Supply Chain Disruptions: the Case of Meals de Colombia (In Spanish). BSc. in Management, Universidad de los Andes.
- Diego Martinez Quinonez. The Behavior of Customers in Hypermarkets: Simulation and Data Mining (In Spanish). BSc. in Management, Universidad de los Andes.

## Service to the Profession

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- Senior Administrative Positions
  - Conference Co-Chair, M&SOM 2021 (Virtual). June 5-10, 2021.
  - Track Co-Chair, Humanitarian Operations and Crisis Management. POMS 2020 (The Conference was cancelled after the program track had been organized).
  - POMS, College of Humanitarian Operations and Crisis Management.
    - Board Member. Period 2019-2021.
    - President. Period 2017-2019.
    - Secretary. Period 2013-2015.
    - Vice-President of Meetings. Period 2011-2013.
- Journal Referee
  - Production and Operations Management (POM), Journal of Operations Management (JOM), Operations Research (OR), Management Science (MS), Manufacturing & Service Operations Management (MSOM), European Journal of Operational Research (EJOR), Decision Sciences.
  - Ad-Hoc: Computers & Operations Research, Transportation Research Part E, Journal of Humanitarian Logistics and Supply Chain Management, OR Spectrum, ITOR, Disasters, Interfaces.
- Conferences
  - Member of the Reviewing Committee, European Operations Management Association - EUROMA, Finland, 2019.
  - Award committee member for the Doing Good with Good OR Competition at INFORMS, 2020.
  - Co-Chair for the Doing Good with Good OR Competition at INFORMS, 2019.
  - Award committee member for the Doing Good with Good OR Competition at INFORMS, 2018.
  - Co-Chair of POMS College of Humanitarian Operations and Crisis Management:
    - Second Mini-conference, USA, May 2, 2013.
    - Inaugural Mini-conference, USA, April 19, 2012.
  - Award Committee member for the Emerging Economies Doctoral Student Award, POMS 2015.
  - Referee: MSOM Student Paper Competition 2014, 2015, 2016; Review Board for the Student Paper Competition, POMS Supply Chain College, 2012–2018; Best Paper Award, POMS College of Humanitarian Operations and Crisis Management, 2013, 2015; World P&OM Conference in Amsterdam, 2012.
  - 24 times Session Chair for conferences such as INFORMS, POMS, EURO and DSI.
- Referee for Research Proposals
  - External Referee for Research Proposals, Pontificia Universidad Católica del Perú (PUCP), Since 2019.
  - Referee for the United States–Israel Binational Science Foundation (BSF), 2015.

## Service to Indiana University, the Kelley School and ODT Department

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- Task Forces
  - Member, Center for Diversity, Equity, Inclusion and Belonging. 2021 - 2022.
- Committees
  - Chair of the Hiring Committee, ODT, Kelley School of Business, Indiana University. August, 2020 - January 2021.
    - The Committee: Reviewed over 180 applications, interviewed over 16 people on Zoom, invited 4 applicants for virtual campus visits, recommended one candidate for hiring. The School hired the candidate recommended by the Committee.
  - Chair of the Hiring Committee, ODT, Kelley School of Business, Indiana University. August, 2018 - March 2019.
    - The Committee: Reviewed over 200 applications, interviewed over 40 people at INFORMS 2018, invited 19 applicants for campus visits, recommended four candidates for hiring. The School hired all four candidates recommended by the Committee.
  - PhD Assessment Committee, ODT, Kelley School of Business, Indiana University. 2018, 2019.
  - PhD Recruiting Committee, ODT, Kelley School of Business, Indiana University. 2017-2019.
  - Undergraduate Research Task Force, Indiana University. April, 2018.
  - Hiring Committee, ODT, Kelley School of Business, Indiana University. 2016.
  - Committee for OM/SCM Majors' Adjustment at the Kelley School of Business. 2013-2014.
  - Faculty Advisor to the Graduate Chapter of Net Impact, Kelley School. 2012.
- Lectures
  - Humanitarian Operations Management. Kelley Living Learning Center (KLLC), Kelley School of Business. Fall 2017, 2018.
  - Humanitarian Operations for the Global Social Entrepreneurship Institute. July 17, 2015.
  - Panelist on the Faculty Success Program at the New Faculty Workshop, November 7, 2014. Event organized by the Office of Faculty and Academic Affairs, Indiana University.
  - Humanitarian Operations for the Global Social Entrepreneurship Institute. July 21, 2014.
  - Humanitarian Logistics for the Civic Leadership Development Speaker Series. Institute for Social Impact, Kelley School. October 24, 2012.
  - Humanitarian Logistics. IU Mini-University 2012. June 19, 2012.

## Service to the Humanitarian Sector

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- Jury for the *Best Transport Achievement Award 2012* sponsored by UPS, presented at the Fleet Forum Conference, Dubai UAE, 2013.

## Consultancy (Pro Bono)

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- Fleet Management Expert for the Evaluation of DG ECHO's Fleet Management. European Commission, Directorate-General Humanitarian Aid and Civil Protection - ECHO. Joint Project with INSEAD Humanitarian Research Group and Fleet Forum. August 2012 - February 2013.

## Other Positions

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- Administrative Department of Social Welfare (DABS), Bogota, Colombia. 1999-2003.
  - Humanitarian logistics planner for the city of Bogota, Planning Vice-Presidency.
- Ministry of Environment – SENA – SECAB, Bogota, Colombia. 1998-1999.
  - Assistant for the implementation of sustainable operations in zones of environmental protection.
- Colombian Army – Military Police Battalion N. 15, Bogota, Colombia. 1992.
  - ★ *Distinguished Private* – Dragoneante, promoted to Second Lieutenant.

## Memberships

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- POMS, MSOM, INFORMS, EURO, DSI.
- INSEAD Humanitarian Research Group.
- Kelley Institute of Business Analytics, Indiana University.
- Center for Latin American and Caribbean Studies–CLACS, Indiana University.

## Personal

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- Nationality: Colombian.
- Hobbies: Boxing, Triathlon, Salsa Dancing.
- Spoken Languages: Spanish, English, French (Intermediate).