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Professional Experience

Nov 2015... **Kedge Business School – Bordeaux**
Professor in Operations Management and Information Systems Department
Research Cluster in Supply Chain Management

Jan 2015 to Oct 2015 **Kedge Business School – Bordeaux**
Associate Professor in Operations Management and Information Systems Department
Research Cluster in Supply Chain Management

Jul 2012 to Jan 2015 **Haskayne School of Business**
University of Calgary, Alberta, Canada
Canadian Center for Advanced Leadership Researcher
Associate Professor of Operations Management
 Teaching Responsibilities Include(d):

- *MGST391 – Research and Analysis for Decision Making*
- *OPMA401 – Materials and Supply Chain Management*
- *OPMA411 – Field Investigation in Operations Management*
- *OPMA 745 – Operations Planning and Supply Chain (745)*
- *OPMA 799.02 - Tactical Research Issues*
- *OPMA 797.3 - Advanced Seminar in Operations Management*

April 2013 to Jan 2015 **Canadian Centre for Advanced Leadership in Business – CCAL.**
Haskayne School of Business
CCAL Leadership Researcher.

Jan 2013 to Dec 2015 **ICN Business School, France.**
Affiliate Professor – Research of Supply Chain Management at Nancy/Metz Campus.

Sep 2007 to July 2013 **Massachusetts Institute of Technology, Boston, U.S.A.**
Research Affiliate at the Center for Transportation and Logistics - CTL.

Sep 2007 to Jul 2012 **MIT-Zaragoza International Logistics Program**
Zaragoza Logistics Center, Zaragoza – Spain
Professor of Logistics and Supply Chain Management
Ramón y Cajal Chair in Economics – Supply Chain Management
 Administrative Positions:

- *PhD Summer Academy Director (2007 to 2010)*
- *PhD Program Director (2007 to 2009)*

Teaching Responsibilities Included:

- *Inventory Systems – Master Level course; Supply Chain Network Design – Master Level course; Probability and Statistics – Master Level course; Supply Chain Information Systems – Master Level course; and Mathematics of Facility Location – PhD Level course.*



- Sep 2004 to Sep 2008* **HEC School of Management, Paris - France.**
Assistant Professor - Department of Operations Management and Information Technology.
 Administrative Positions:
 • *Course Manager for the MBA Program (2006/07 and 2007/08)*
 Teaching Responsibilities included:
 • *Supply Chain Management – MBA and Grande École programs; Ph.D. Seminar Series; Executive Education Seminar; and Mathematics of Facility Location –Ph.D. Seminar Series*
- Mar 1991 to Jan 1996* **Procter & Gamble, Brazil**
Operations Department Manager. Responsibilities included: Operations' budget control; Production planning; and Operations daily activities.
- Mar 1990 to Mar 1991* **Departamento Municipal de Obras, Belém, Brazil**
Head of Estimating Section of the Construction Department of the City of Belém.
 Responsibilities included: Budget Control / Project Supervision on Urban Development Projects.
- Sep 1984 to Dec 1989* **Construtec Comp., Brazil**
Project Manager (Jun 86 to Dec 89)
Scheduling and Planning Supervisor (Sep 84 to Jun 86)
- Mar 1983 to Sep 1984* **M&M Engenharia Ltda., Brazil**
Project Manager
- Jan 1982 to Nov 1982* **Endeco Ltda., Brazil**
Field Assistant, Internship.

Education

- Sep 1999 to June 2004* **University of Toronto, Joseph L. Rotman School of Management, Toronto, Canada.**
Ph.D., Operations Management
- Jan. 1998 to Dec 1998* **Clemson University, Clemson, South Carolina, U.S.A.**
M. Sc., Industrial Administration
- 1996 to Dec 1997* **Clemson University, Clemson, South Carolina, U.S.A.**
M. Sc., Project Management (Civil Engineering Department)
- 1981 –1988* **Universidade Federal do Para, Belém, Pará, Brazil.**
B.Sc., Civil Engineering.
- 1990- 1991* **Cesupa - Centro de Estudos Superiores do Para, Belém, Brazil.**
Computer Sciences (no degree awarded)

Special Appointments

- ISOLDE XIV 2017 in Toronto/Huntersville, Canada. Scientific Committee Member.
- International Advisory Board Member of CiLOG 2015: The conference of the Mexican Logistics & Supply Chain Association.
- Program Committee member of ORPA'2015 : Operational Research Practice in Africa Conference 2015.

- Canadian Operational Research Society – CORS: President of Calgary Section, term 2014/2015.
- **Editorial Advisory Board** of the Journal of Cleaner Production for the Special volume on Organizational Creativity and Sustainability Theme “Paths for Integrating Creativity and Sustainability”
- Guest Editor for *Socio-Economic Planning Sciences*’ special issue in “**Public sector decision-making in the BRIC Countries**” to be published in early 2016.
- Advisory Committee on Analytics and Visualization (ACAV) for the year 2013-14. Advises the Vice President (Research). It is responsible for actively develop and grow the Analytics and Visualization area. Appointed by the University of Calgary’s Vice-President–Research. This is the committee’s first year.
- Canadian Operational Research Society – CORS: Vice-President of Calgary Section, term 2012/2014.
- P&OM World Conference: Amsterdam 2012 – Reviewer.
- Reviewer for the Italian Evaluation of Research Quality exercise; VQR 2004-2010 – CINECA; 2012, 2013. Italian Ministry of Education, University and Research (MIUR).

Special Awards / Certificates / Grants

- L'Habilitation à Diriger des Recherches, May 2017, University of Nantes.
- Awarded the title of Honorary Faculty Member of ICN Business School, November 20, 2015.
- *CCAL Leadership Researcher 2013*. Fellowship awarded by the Canadian Centre for Advanced Leadership in Business – *CCAL*.
- Research Chair Ramón y Cajal in Economics 2011 – 2016 (*RYC-2011-08762*), the most prestigious grant/chair awarded by the Spanish government to senior scientists. Subprograma Ramón y Cajal – Dirección General de Investigación y Gestión del Plan Nacional de I+D.
- Certificate from the International Teachers Program, Milan, Italy, 2007-2008.

Published/Accepted Papers

- “Constructing a Watts-Strogatz network from a small-world network with symmetric degree distribution,” with Seokjin Kim and Rongbing Huang. *PLoS ONE*, June 12, 2017.
Download: <https://doi.org/10.1371/journal.pone.0179120>
- “Coordinated lab-clinics: A tactical assignment problem in healthcare”, with Farzad Zaerpour and Diane Bischak. *European Journal of Operational Research* 263 (2017) 283–294.
Download: <http://dx.doi.org/10.1016/j.ejor.2017.05.012>
- “Directed Assignment vs. Customer Choice in Location Inventory Models,” co-authored with O. Berman and D. Krass. *International Journal of Production Economics* 179 (2016) 179–191.
Download: <http://dx.doi.org/10.1016/j.ijpe.2016.06.002>
- “A Rough-cut Approach for Evaluating Location-Routing Decisions via Approximation Algorithms,” with Vedat Verter and Diego Ruiz. *Transportation Research-Part B* Volume 87, May 2016, Pages 89–106.
Download: <http://dx.doi.org/10.1016/j.trb.2016.03.003>
- “Democratic Elections and Centralized Decisions: Condorcet and Approval Voting Compared with Median and Coverage Locations,” with Zvi Drezner and Giovanni da Silveira. *European Journal of Operational Research* 253 (2016) 195–203.
Download: <http://dx.doi.org/10.1016/j.ejor.2016.02.002>

- “The Component Commonality Problem in a Real Multidimensional Space: An Algorithmic Approach,” with Diego Ruiz-Hernández and Renato Guimarães. *European Journal of Operational Research* 249 (2016) 105–116.
Download: <http://dx.doi.org/10.1016/j.ejor.2015.08.021>
- “General Asymptotic and Submodular Results for the Median Problem with Unreliable Facilities”, with Serigne Gueye. *Operations Research Letters*. 43 (5), September 2015, 519-521.
Download: <http://dx.doi.org/10.1016/j.orl.2015.07.005>
- “Service Delivery to Moving Demand Points Using Mobile Servers,” co-authored with Michael Ketzenberg, Rogelio Oliva, and Richard Metters. *International Journal of Production Economics* 168 (2015) 158–166.
Download: <http://dx.doi.org/10.1016/j.ijpe.2015.06.024>
- “The Wisdom of Voters: Evaluating the Weber Objective at the Condorcet Solution,” co-authored with Zvi Drezner. *Annals of Operations Research*, 246(1), 205-226.
Download: <http://link.springer.com/article/10.1007/s10479-015-1906-5>
- “Return-on-Investment (ROI) Criteria for Network Design,” with R. Huang and S. Kim. *European Journal of Operational Research*, 245(1): 100-108 (2015)
Download: <http://dx.doi.org/10.1016/j.ejor.2015.03.009>
DOI: 10.1016/j.ejor.2015.03.009
- “Supply chain dynamics and the "cross-border effect": The U.S.- Mexican border's case,” by Cedillo-Campos MG, Sánchez-Ramírez C, Vadaly S, Villa JC, and Menezes MBC. *Computers & Industrial Engineering*. *Computers & Industrial Engineering* 72 (2014) 261–273.
Download: <http://dx.doi.org/10.1016/j.cie.2014.03.015>
- “Comparison of Condorcet and Weber solutions on a plane: Social choice versus centralization,” by Menezes MBC, Huang R. *Computers and Operations Research* (2014). *Computers & Operations Research* 62 (2015) 350–355.
Download: <http://dx.doi.org/10.1016/j.cor.2013.12.007>
- “Location and Reliability Problems on a Line: Impact of Objectives and Correlated Failures on Optimal Location Patterns,” co-authored with O. Berman and D. Krass. *Omega* 41 (2013), pp. 766-779.
Download: <http://www.sciencedirect.com/science/article/pii/S0305048312001788>.
- “The impact of cost uncertainty on the location of a distribution center,” co-authored with Rongbing Huang and Seokjin Kim. *European Journal of Operational Research* 218 (2012) 401–407.
Download: <http://www.sciencedirect.com/science/article/pii/S0377221711010071>.
- “Optimal Response Against Bioterror Attack on Airport Terminal,” co-authored with Oded Berman and Arie Gavious. *European Journal of Operational Research* 219 (2012), pp. 415-424.
Download: <http://www.sciencedirect.com/science/article/pii/S0377221711011301>.
- “A Generalized Single Product and Single Period Inventory Problem with Nonlinear Parameters,” co-authored with Kai Luo, Christian van Delft and Laoucine Kerbache. *International Transactions in Operational Research* (2012), Volume 19, Issue 3, Pages 323–491.
Download: <http://onlinelibrary.wiley.com/doi/10.1111/j.1475-3995.2011.00829.x/abstract>.
- “Facility Location for Large-Scale Emergencies,” with R. Huang and S. Kim. *Annals of Operations Research*, Volume 181, Issue 1 (2010), Page 271.
Free Download: <http://link.springer.com/article/10.1007%2Fs10479-010-0736-8?LI=true#page-1>

- “Facility Location in the Presence of Disruptions and Incomplete Information,” co-authored with O. Berman and D. Krass. *Decision Sciences*, Volume 40, 4, 2009.
Download: <http://onlinelibrary.wiley.com/doi/10.1111/j.1540-5915.2009.00253.x/abstract>.
- “Facility Reliability Issues in Network p -Median Problems: Strategic Centralization and Co-Location Effects,” co-authored with O. Berman and D. Krass. *Operations Research*, Vol.55, No 2, 2007, pp. 332-350.
Download: <http://or.journal.informs.org/content/55/2/332.abstract>.
- “Locating Capacitated Facilities to Maximize Captured Demand,” co-authored with Oded Berman, Rongbing Huang, and Seokjin Kim. *IIE-Transactions* (2007) 39, 1015-1029.
Download: <http://www.tandfonline.com/doi/abs/10.1080/07408170601142650>.
- “Inventory-Location Models for Remote and Direct Retailing with Time-Sensitive Demand,” co-authored with O. Berman and D. Krass, 2007. *Proceedings of IEEM2007* pp.347-352 (Honorable Mention).
Award Page: <http://www3.ntu.edu.sg/mae/admin/divisions/systems/ieem2007/awards.htm>.
- “Optimal Workforce Size and Allocation for Urban Retail Chains,” with S. Kim and R. Huang, *European Journal of Operational Research* 175 (2006) 1151-1163.
Download: <http://www.sciencedirect.com/science/article/pii/S0377221705005539>.

Papers under Review

- “An Energy-Sustainable Manufacturing System with Consolidation on Wind, Hydrogen, and Grid,” co-authored with Youyi Feng. Submitted to *Production and Operations Management*.
- “Towards a Unifying Framework for Measuring Supply Chain Complexity,” with Diego Ruiz-Hernandez. Submitted to *Production & Operation Management*.
- “Transportation infrastructure network design in presence of modal competition: computational complexity and a genetic algorithm,” with Juan Antonio Mesa, Federico Perea, and Fernando Rubiodel-Rey. Submitted to *European Journal of Operational Research*.
- “Estimating Demand Variability and Capacity Costs due to Social Network Influence”, with Giovanni da Silveira and Renato Guimarães. Submitted to the *International Journal of Production Economics*.
- “Hydrogen Production Facility Network Design from Stochastic Green Energy Supply Source,” with Jorge Barnett and Jarrod Goentzel. Submitted to *Transportation Science* (2nd Round of Review).

Selected Research Activities / Selected Working Papers

- “A Discussion on Theoretical and Practical Facility Location Decisions,” with Jesus Maria Pinar and Diego Ruiz-Hernández.
- “The Operational Cost of Complexity: A Behavioral Experiment,” with Kyle Hyndman.
- “Measuring the information content of ports’ sea-shipment lines.” with Pierre Cariou.
- “Empirical analysis of structural complexity,” with Diego Ruiz-Hernandez and Aicha Amrani.
- “A longitudinal and cross-sectional view of retailing complexity in the USA”, with Diego Ruiz-Hernandez and Jesus Maria Pinar.
- “The Variable-Capacitated Facility Location Problem”, with Serigne Gueye and Diego Ruiz.
- “Network Design for a New Product: The effect of a short lifecycle,” with Diego Ruiz-Hernandez, Kai Luo and Oihab Allal-Cherif.

- “Explaining manufacturing losses due to complexity”, with Zied Babai and Diego Ruiz-Hernandez.
- “The Fuzzy Candidate Election Model” w/ Roberto Pinto.

Selected Appearances in Newspaper / Magazines

- Supply Chain Magazine – Newsletter 2517 (19 June, 2017) - [Weblink](#)
- CORS Bulletin, Vol. 48, 1, February 2014. “Improving the collection of household recyclables at the City of Calgary” by Mozart Menezes and Vedat Verter.
- MIT SUPPLY CHAIN FRONTIERS, Issue #45, Spring 2012: “Are You in the Right Locations?”
- El Diario del Puerto, Zaragoza, Spain, 20/April/2012: “La innovación bien entendida será la clave de los nuevos valores añadidos que debe aportar la logística”. Press article about the PILOT 2012 Forum.
- El Periódico, Spain, 28/March/2012, “El Pilot convierte un año más a Zaragoza en capital de la logística”. Press article about PILOT 2012.

Visiting Positions

- Visiting Scholar at the Università degli Studi di Bergamo, Bergamo, Italy – April 2015.
- Visiting Professor at the Graduate School of Systems and Information Engineering, University of Tsukuba, Japan – October and November 2010.
- Visiting Researcher at Solutia, Brussels, Belgium – January to March 2011.
- Visiting Researcher at General Motors’ Operations Research Center, Warren (MI), USA – April to June 2011.
- Visiting Researcher at Center for Transportation and Logistics (CTL), Boston, USA – May to August 2011.

Visiting Scholars

- Serigne Gueye, Assistant Professor at University of Avignon, France, from January/2012 to December/2012.
- Rongbing Huang, Associate Professor at York University, Canada, May to July 2010.
- Gaston Cedillo, Assistant Professor at University of Monterrey-Guadalajara, Mexico, from May to August 2010.

Government Related Projects

- **Structural Analysis of Mathematical Models for Location and Transportation Planning (2016-2018)**. Starts 01/01/2016; Ends 31/12/2018. Government of Spain, National Plan of Research, Development and innovation 2008-2011: “Programa Estatal de Fomento de la Investigación Científica y Técnica de Excelencia, Subprograma Estatal de Generación de Conocimiento, en el marco del Plan Estatal de Investigación Científica y Técnica y de Innovación 2013-2016”. Program: Fundamental/Basic Research; Subprogram: Non-oriented fundamental. **Funds: 48.000,00 €**
- **City of Calgary – Urban Alliance**: Research Services File Number: **1025656** – Principal Investigator: **Mozart B.C. Menezes** – Sponsor(s) of Research: **City of Calgary** – Title of Research: **Optimization of Waste & Recycling Services Operational Logistics**. Value: **\$50,000**. *Objective*: exploring improvement opportunities for the waste and recycling collection processes.

The waste collection process has 300,000+ collection points and the recycling process has 200,000+ collection points. February 2013.

- **Location Analysis, and Network Design and Operation: Efficiency, Robustness and Reliability Aspects.** Starts 01/01/2013; Ends 31/12/2015. Government of Spain, National Plan of Research, Development and innovation 2008-2011: “Programa Estatal de Fomento de la Investigación Científica y Técnica de Excelencia, Subprograma Estatal de Generación de Conocimiento, en el marco del Plan Estatal de Investigación Científica y Técnica y de Innovación 2013-2016”. Program: Fundamental/Basic Research; Subprogram: Non-oriented fundamental. ResearchCode: *MTM2012-37048*. **Funds: 48.000,00 €**
- **Re use and development of Security Knowledge assets for International Postal Supply Chains.** Acronym: SAFEPOST Official reference: 285104 Funding body: European Commission, 7th Framework Programme Type of funding: Public. Main Researcher: Mozart Menezes. European Union: principal-leader investigator of SAFEPOST, an European Union funded project. Total Allocation: Approx. **€400k**. Total Value: **€14M**.
- **Facility Reliability Issues in Network Problems: Planning for Mitigation** Project Reference: RYC-2011-08762 Funding Body: Subprograma Ramón y Cajal, Dirección General de Investigación y Gestión del Plan Nacional I+D, Ministerio de Economía. Beneficiary: Dr. Mozart B. C. Menezes. Total Value: **€150k**.
- **Facility Location Optimization under disruptions and in an Uncertain Environment.** Acronym: FLOUE Project Reference: 275413 Funding Body: Comisión Europea. 7º Programa Marco. Marie Curie Intra European Fellowship (IEF) Type of Funding: Public Main researcher: Serigne Gueye. Leading Researcher: Dr. Mozart Menezes. Start date: 16/01/2012 End date: 31/12/2012 Duration: 12 months.
- **Logistics and supply chain management.** Official reference: FMI057/09. Funding Body: Government of Aragón. Type of Funding: Public. Main Researcher: Mozart B.C. Menezes; Other Researchers: Rongbing Huang –Term: 01-05-2010 a 31-07-2010.
- **Logistic Models for Hydrogen Distribution and Supply.** Acronym: SPHERA. Financing Body: Ministry of Industry, Tourism and Commerce. Main Researchers: Jarrod Goentzel, Mozart Menezes, Jorge Barnett, Rosemary Berger. Term: 14/02/2007-13/06/2010. Link to Project Website: <http://www.cenitsphera.com/>. Total Value: €400k.
- **New Technologies in Logistics Situation and trends.** Funding Body: Botegón y Cuesta asociados. Main Researcher: Mozart Menezes. Term: 02/11/2007-31/12/2007.

Pro-bono Consulting

- Evaluation of a Central Distribution Center in Africa: Economic feasibility of a distribution center in Nairobi (2009).
- Medicos Sin Fronteras (MSF – Doctors without Borders) : Supervisor of Master Thesis “Push versus Pull Systems: A Case Study of a Humanitarian Supply Chain” by Karla Ruvalcaba, 2010.
- Auditing MSF’s mission in India (November ‘09). Including *in-loco* assessment in New Delhi, Patna, Hajipur and Biraal (the last three in the State of Bihar).
- Evaluation of and improvements for a highly-responsive supply chain, 2009.
- Auditing MSF’s mission in Zimbabwe (May ‘09). Including *in-loco* assessment in Harare, Bullawayo, Beitbridge and Tsholotsho.

PhD/M.Eng./M.Sc. Advisory Experience

- M.S. Thesis PGE Program Advisor. Mathieu Xavier, (Sept. 2016). Thesis title “La complexité d’une supply chain a-t-elle un lien avec la perception du processus S&OP ? Cas d’une entreprise de l’industrie pharmaceutique.”
- M.S. Thesis ISLI Program Advisor. Dongzhou Zhao, (2016). Thesis title “How to Choose Key Performance Indicators to Compare Supply Chain of Apples with that of Oranges?”
- M.S. Thesis ISLI Program Advisor. Benjamin Glusman, (2016). Thesis title “How to reduce vulnerability in Supply Chain Network?”
- M.S. Thesis ISLI Program Advisor. Mélanie Urvoy, (2016). Thesis title “Inventory Control Affecting Marketing and Operations: Between Conflicts and Cooperation.”
- PhD Thesis Main Advisor. Jorge Enrique Barnett, (2013) Universidad de Zaragoza / Zaragoza Logistics Center. Thesis title “Location models applied to the design of a distribution network for hydrogen fuel produced from renewable energy sources“
- PhD Thesis Co-Advisor. Kai Luo (2011) HEC School of Business-Paris, “Analysis and optimization of single and dual sourcing decisions in supply chain”
- PhD Thesis Co-Advisor. Farzard Zaepour (in-progress) “Operations Management in a respiratory clinic.”
- M.Eng. Thesis Advisor. Sponsored by Acciona: Using wind farms as energy source for producing hydrogen; a study of a distribution supply chain.
 - Supervisor of master thesis “Modeling the Supply Chain within Spain for Hydrogen Fuel Produced Using Sustainable Inputs” by Kenneth Kell, Mauricio Hoyos and Lyneth Rodrigues ’08.
- M.Eng. Thesis Advisor. Sponsored by Alcatel-Lucent, Spain.
 - Supervisor of Master Thesis “Telecom-Network Disruptions and Repair Services” by HanCheol Lee and Yuliya Kasavira.
- M.Eng. Thesis Advisor. Sponsored by General Motors, Detroit
 - Supervisor of the Master thesis “Optimal Strategies for Managing Supply Chain Risk for Precious Group Metals (PGM) in Automotive Catalytic Converters” by Federico Vargas, 2010.
 - Supervisor of the Master thesis “The impact of duties and tariffs and local content threshold on the supply chain design.” By Maria Patricia Atienza and Paola Sarmiento, ’09.
 - Supervisor of Master thesis “Barebones Project: Conceptual design of a supply chain for low volume (10K to 20K cars per year) automotive plants” by Reza Borazjani and Connie Wang ’08.
- M.Eng. Thesis Advisor. Sponsored by Imaginarium, Spain
 - Supervisor of Master thesis “Sales Forecasting & Replenishment Definition for a Medium Retail Toys Brand” by Carolina Ruiz and Neil Smith.
- M.Eng. Supported by China Technology Development Corp. – CTDC: Supervisor of Master thesis “Supply Chain Strategy Development for the Chinese Solar Energy Industry: A Focus on Thin Film Photovoltaic Manufacturers” by Linda Zhixing Li ’09.

- Co-Supervisor of master thesis “Future Supply Networks at Hewlett Packard” by Reinaldo Fioravanti ’08.
- Co-Supervisor of master thesis “Supply Chain 2020: How changing macroeconomic factors affect supply chain network design of an apparel company” by Mary Margaret York ’08

Selected Applied Work / Consulting

- Environmental Refuelling Systems Inc. (2014). ERS provides a complete fuel management service from procurement, to transportation, to on-site storage, to customer refueling.
- Casino Group. Performance Drivers of Supply Chain Network Design (2012). Casino, based in France, is the holding of several supermarket chains with retail outlets in several countries in 4 continents.
- SAICA Natur Supply Chain Network Design: A paper recycling business. (2012)
- Independent Work:
 - Analysis of future supply chains: Scenario analysis of how a supply chain should look like in the medium-term future.
 - Co-Supervisor of master thesis “Future Supply Networks at Hewlett Packard” by Reinaldo Fioravanti ’08.
 - Co-Supervisor of master thesis “Supply Chain 2020: How changing macroeconomic factors affect supply chain network design of an apparel company” by Mary Margaret York ’08

Other Publications

Ph.D. Thesis, “Reliability Issues in Strategic Location Problems,” Rotman School of Management, University of Toronto. – 2004; Master’s Thesis, “Utilization of Data Management Technologies within a State Transportation Agency,” Clemson University – 1997.

Co-author of the report “Materials Management: Innovative Concepts and Current Technology,” submitted to Construction Industry Institute Team 96-2.

Academic (Teaching) Experience

- MISI – The Malaysian Institute for Supply Chain Innovation (MIT Scale Network) – January 2018: *Mathematics of Facility Location: An introduction to Combinatorial Optimization*
- Supply Chain Management – MBA program. Haskayne School of Business, University of Calgary, January 2016.
- Introduction to Operations Management. An introductory course for first year Specialized Master students at Kedge – Toulon campus, with a total of 30hr. September 2015.
- Supply Chain Management lecture at Università degli Studi di Bergamo, Bergamo, Italy – April 2015.
- Graduate School of Systems and Information Engineering, University of Tsukuba, October 2010. “Supply Chain Network Design Problems”. Class within the Master Program.
- Master en Planificacion y Geston de Procesos Empresariales, Department of Mathematics, Universitat de Valencia. March 2010: Supply Chain Network Design (3-hour session).
- MIT-Zaragoza International Logistics Program (ZLOG): Supply Chain Network Design 2009/10.
- Pontificia Universidade Catolica, Rio de Janeiro – Brazil, March 2009: Mathematics of Facility Location, 18-hour PhD level course.
- Tecnológico de Monterrey, Guadalajara, March 2009: Capacity management and Network Design.

- HEC School of Management-Paris: MBA Program: Supply Chain Management course. Years 2005/06, 2006/07 and 2007/08.
- HEC School of Management: Undergraduate/Master Program (*Grande École*): Supply Chain Management course to first year Students. Academic years 2004/05, 2005/06, 2006/07.
- HEC School of Management-Paris: Executive Education - Inventory Management Module. July/2006.
- HEC School of Management-Paris: Ph.D. students' advisor in the Operations Management and Logistics program.
- HEC School of Management-Paris: Research advisor for a Master Student in the *Management Industriel et Logistique - Master Spécialise* program (2005).

Memberships

INFORMS, ISNA, CORS, EUROMA, EURO, EWGLA, and Red Temática "Localización y Problemas Afines" MTM2008-02221-E.

Special Participations

- Invited Speaker to the Workshop Mathematical Methods and Algorithms for the Optimization of Public Transport – Instituto de Matemáticas de la Universidad de Sevilla (IMUS). supported by the project MTM2015-67706-P and IMUS Seville, October 30-31, 2017.
- ORPA'2015 : Operational Research Practice in Africa Conference 2015. Program committee member.
- External Reviewer for Research Grants Council (RGC) of Hong Kong in 2014.
- INTERNATIONAL ADVISORY BOARD and TECHNICAL REVIEWER of the CiLOG2013. International Congress on Logistics and Supply Chain, Sanfandila, Queretaro, Mexico.
- Academic Committee – Mathematics of Operations and Logistics Conference (MOLC 2013). Jun 26-28, 2013 at the Faculty of Science, University of Zaragoza.

Current Editorial Appointments

- Socio-Economic Planning Sciences: Public Sector Decision-Making in the BRIC Countries – Guest Editor.
- CORS 2014 – Canadian Operational Research Society's Annual Conference, Ottawa. Cluster Chair of Location Theory sessions.
- Has been working as referee (ad-hoc) for Annals of OR; Computers and Operations Research; European Journal of Operational Research; Industrial & Engineering Chemistry Research; IIE-Transactions; International Transactions in Operations Research; INFOR; Management Science; Manufacturing & Service Operations Management; Naval Research Logistics; Omega; and Transportation Sciences journals.
- Editorial Board member of IJBEX – International Journal of Business Excellence.

Seminars / Special Talks

- Workshop on Mathematical Methods and Algorithms for Optimization of Public Transport, the 30-31 October at the Institute of Mathematics of the University of Seville (IMUS). Topic: "A rough-cut approach for evaluating location-routing decisions via approximation algorithms"
- Kedge Insights-Breakfast @ Hotel Intercontinental Paris Le Grand – Friday, June 16, 2017: "Supply Chain Complexity and Profit & Loss(P&L): An attempt to understand the true cost of complexity." – The first of its kind at Kedge Business School.
- CESIT's Seminar Series – Supply Chain & Complexity Management Lab (sc2m lab) – May 30, 2017: "A framework and preliminary results on supply chains' structural complexity"
- Colegio Universitario de Estudios Financieros (CUNEF) Seminar Series in Managements Science and Quantitative Economics – March 28, 2017: Measuring Supply Chain Complexity in Industrial and Services Environments.
- Kedge Business Club Conferences – June 2016: "Why Managing a Supply Chain is a Tough Business". A talk part of the series "Chatting with the industry"

- Sixth OSCM Research Fair – Haskayne Business School – December 2014: “Social Network Influence on Purchasing Decisions”.
- University of Lethbridge, Department of Mathematics and Computer Science – October 2014: “The Impact of Social Network Influences on the Cost of Capacity Reservation”.
- Canadian Operational Research Society – Calgary. Professional Development Seminar “Social Network Influence on Variability of Demand: The Hidden Cost of a Connected World”. September 17, 2014 – Calgary.
- CUNEF–Ingenium Research Seminar Series – May 2014: “Potential Root Causes of Problems when Managing a Supply Chain.”
- CUNEF–Ingenium Research Seminar Series – May 2014: “The Unreliable Facility Location Problem: Mitigating the Consequences of Facility Failure through Network Design.”
- Alberta School of Business – University of Alberta, February 2014, “Mitigating the effect of facility disruptions through network design: Understanding centralization and co-location.”
- Laboratoire de Génie Industriel et Production Mécanique (LGPIM), Université de Lorraine – France, February 2013: Anticipating Disasters: Locating Facilities for Mitigation.
- OPMA Research Fair 2012 (University of Calgary): The Wisdom of Voters Evaluating the Weber Objective at the Condorcet Solution.
- Canadian Operational Research Society – Calgary. Professional Development Seminar “The Wisdom of Voters: Evaluating the Weber Objective at the Condorcet Solution”. September 20, 2012 - Calgary.
- XII International PILOT 2012 Forum, April 18, 2012. “Gestión de la *Supply Chain*: Decisiones Importantes”. About 200 speakers and over 10,000 attendees have participated in annual meeting. The 2012 edition of Pilot brought together 850 attendees.
(<http://www.aragonempresa.com/empresa/empresa.nsf/paginas/8D71BA998817BB81C12579C20033D5F2?OpenDocument>)
- Drucker School Speaker Series presentation “The Wisdom of Voters: Evaluating the Quality of a Voting Outcome” at the Peter F. Drucker and Masatoshi Ito Graduate School of Management, Claremont Graduate University - California, April 20, 2012.
- Seminar “Correlation and Disruption Induced Effects on Location Problems” at Haskayne School of Business, University of Calgary, March 2012.
- Seminar “Are locational decisions through voting good enough?” at the Desautels Faculty of Management, Management Sciences Research Centre, McGill University. November 2011.
- Seminar “Impact of Facility Disruption on Network Design.” at the Department of Decision Sciences & Information Management, K. U. Leuven, November 2011.
- Talk “Efficiency of Democratic vs. Centralized Decisions: A Max-Sum Objective Assessing the Quality of Simpson's (Condorcet's) Solution” at the Department of Information Systems & Mathematical Sciences, Nanzan University, Nagoya, Japan. November 2010.
- SCOPE - Seminars on Computation and Optimization for new Extensions, Operations Research Society of Japan. “Correlation and Disruption Induced Effects on Location Problems”. November 2010 in Tokyo, Japan.
- Dpto. de Matemática Aplicada II, Escuela Técnica Superior de Ingenieros, Universidad de Sevilla, Spain, September 2010. “Correlation and Disruption Induced Effects on Location Problems”.
- Seminario de Transporte y Logística, Curitiba, Brazil, March 2010. “Network Design and Urban Logistics Platforms”. An event coordinated by the Interamerican Development Bank (IDB).
- Department of Civil Engineering, Universidade de Coimbra, February 2010. “Correlation and Disruption Induced Effects on Location Problems”.
- Rotman School of Management, University of Toronto, April 2009. “Correlation and Disruption Effects on Facility Location”.
- Tecnológico de Monterrey, March 2009. Academic Leaders Program – Conference speech on “Supply Chain Risks”.

- MIT - Supply Chain 2020 European Advisory Council, 2008. Host: Microsoft, Copenhagen, Denmark. "Supply Chain Design in Uncertain Environment".
- Barcelona, 13/12/2007. Presentation of research work "Reliability vs. Travel Distance Trade-offs in Facility Location Problems". Universitat Politecnica de Catalunya. Dpt.Estadística i Investigacion Operativa. Seminar Series.
- ESADE/HEC Seminar Series – Barcelona, Spain, June 2005: "Facility Location: Median and Facility Reliability".

Conferences

- POM International Conference 2017, Sydney, Australia. "A framework for measuring supply chain complexity with internal and external consistency" with Diego Ruiz-Hernandez.
- INFORMS 2017 – Houston, Texas, USA. Measuring Complexity in Healthcare Systems, with Diane Bischak and Farzad Zaerpour.
- INFORMS 2017 – Houston, Texas, USA. Understanding the Impact Of Complexity On Facility Location, with Diego Ruiz-Hernández and Jesus Maria Pinar Perez.
- ISOLDE XIV 2017 – Toronto/Huntersville, Canada. The effect of product's short lifecycle on network design.
- IFORS 2017 – Quebec City, Canada. Relevant measure for quantifying supply chain complexity. In collaboration with Diego Ruiz.
- EurOMA 2017 – Edinburgh, Scotland. Measuring supply chain complexity: Method and relevance. In collaboration with Diego Ruiz-Hernández and Aicha Amrani.
- ILS 2016 – Bordeaux, France. Scientific Committee member and Chair of sessions Facility Location I and Facility Location II.
- Sunbelt 2016 – Newport Beach, CA, USA. Estimating Demand Variability Due To Social Network Influence: Hidden Costs of A Connect World. In collaboration with Giovani J.C. Da Silveira and Renato Guimarães.
- REDLOCA 2015 – Barcelona, Spain. New products supply chains: the effect of short lifecycles on the supply chain network design. In collaboration with Diego Ruiz-Hernandez, Kai Luo, and Oihab Allal-Cherif.
- REDLOCA 2015 – Barcelona, Spain. Analyzing the impact of capacity volatility on the design of a supply chain network. In collaboration with Diego Ruiz-Hernandez and Serigne Gueye.
- INFORMS 2015 – Philadelphia, USA. New Product Network Design: Facility Location and Capacity Decisions under Uncertainty. In collaboration with Diego Ruiz-Hernandez, Kai Luo, and Oihab Allal-Cherif.
- The 27th European Conference on Operational Research – Glasgow, UK, 12-15 July 2015. Practical benchmarks for location-routing decisions via approximation algorithms. In collaboration with Vedat Verter and Diego Ruiz-Hernández*.
- EWGLA 2015, Budapest, Hungary. Social Network Influence on Demand and its Impact on Forecast Accuracy. In collaboration with Giovani JC da Silveira and Renato Guimarães.
- CMS Conference, 12th International Conference on Computational Management Science 2015 in Prague, Czech Republic. The Component Commonality Problem in a Real Multidimensional Space. In collaboration with Diego Ruiz-Hernández* and Renato Guimarães.
- INFORMS 2014 – San Francisco, USA. Practical Benchmarks for Location-Routing Decisions via Approximation Algorithms. In collaboration with Diego Ruiz-Hernández* and Renato Guimarães.
- INFORMS 2014 – San Francisco, USA. Scheduling Coordinated Respirirolgy Lab-clinics to Maximize the Service Level under Stochastic Time. In collaboration with Farzad Zaerpour* and Diane Bischak.
- INFORMS 2014 – San Francisco, USA. The Multidimensional Component Commonality Problem: Re-visiting facility location problems. In collaboration with Diego Ruiz-Hernández and Renato Guimarães.

- IFORS 2014 – Barcelona: Practical Benchmarks for Location-Routing Decisions via Approximation Algorithms. In collaboration with Vedat Verter.
- IFORS 2014 – Barcelona: Component Commonality: the p-Median solution to a product design problem. In collaboration with Diego Ruiz-Hernández and Renato Guimarães.
- CORS 2014 Annual Conference, Ottawa, Canada. “Practical Benchmarks for Location-Routing Decisions via Approximation Algorithms.” In collaboration with Vedat Verter.
- INFORMS 2013 – Minneapolis, MN, USA. “The Unreliable Capacitated Facility Location Problem: Submodularity and Bounding Techniques”. In collaboration with Serigne Gueye.
- INFORMS 2013 – Minneapolis, MN, USA. Approximation Algorithms for Location-routing Problems: Creating Benchmark for Strategic Decisions. In collaboration with Vedat Verter.
- EURO/INFORMS 2013, Rome, Italy. “The Stochastically Capacitated Location Problem”. In collaboration with Serigne Gueye.
- Canadian Operational Research Society – CORS – Annual Conference 2013. “The Variable-Capacitated Facility Location Problem.” In collaboration with Serigne Gueye.
- BICSS 2013 – Bangkok, Thailand, January 2013: The Wisdom of Voters - Evaluating the Benevolent Dictators’ Objective at the Condorcet Solution when Locating Facilities. In collaboration with Zvi Drezner.
- INFORMS – Phoenix, USA, Oct. 2012: “The Wisdom of Voters: Evaluating the Weber Objective at the Condorcet Solution.” In collaboration with Zvi Drezner*.
- INFORMS – Phoenix, USA, Oct. 2012: “Upper Bound on the Inefficiency of Condorcet Solution Using Weber Optimal Value as Benchmark.” In collaboration with Rongbing Huang*.
- INFORMS – Phoenix, USA, Oct. 2012: “Return-on-investment (ROI) Criteria for the Network Design of Retail Chains.” In collaboration with Seokjin Kim* and Rongbing Huang.
- INFORMS – Phoenix, USA, Oct. 2012: “Linearization Techniques for the p-Median Problem with Unreliable Facilities.” In collaboration with Serigne Gueye*.
- INFORMS – Phoenix, USA, Oct. 2012: “Hydrogen Production Facility Network Design from Stochastic Green Energy Supply Source.” In collaboration with Jorpe Barnett* and Jarrod Goentzel.
- INFORMS – Phoenix, USA, Oct. 2012: “Stroke Network Design: A Location-allocation Problem.” In collaboration with Beste Kucukyazici*.
- EURO 2012 – Vilnius, Lithuania, Jun. 2012: ”The Wisdom of Voters: Evaluating the Weber Objective at the Condorcet Solution.” In collaboration with Zvi Drezner.
- EURO 2012 – Vilnius, Lithuania, Jun. 2012: ”Hydrogen Production Facility Network Design from Stochastic Green Energy Supply Source.” In collaboration with Jorge Barnett* and Jarrod Goentzel.
- EURO 2012 – Vilnius, Lithuania, Jun. 2012: ”A Bilinear Programming Formulation for the p- Median Problem with Unreliable Facilities and Disruption Probability Classes.” In collaboration with Serigne Gueye*.
- INFORMS – Charlotte, USA, Nov. 2011: “Assessing the Quality of Simpson's (Condorcet's) Solutions through a Max-sum Objective.” In collaboration with Yoshitsugu Yamamoto and Rongbing Huang.
- INFORMS – Charlotte, USA, Nov. 2011: “Return-on-investment (ROI) Criteria for the Network Design of Retail Chains.” In collaboration with Seokjin Kim and Rongbing Huang.
- INFORMS – Charlotte, USA, Nov. 2011: “Hydrogen Production Facility Network Design From Stochastic Green Energy Supply Source.” In collaboration with Jorge Barnett* and Jarrod Goentzel.
- INFORMS – Charlotte, USA, Nov. 2011: “The Impact of Cost Uncertainty on the Location of a Distribution Center.” In collaboration with Rongbing Huang and Seokjin Kim*.
- INFORMS – Austin, USA, Nov. 2010: “Strategic Design of a Hydrogen Supply Chain*,” co-authored with Rosemary Berger and Jarrod Goentzel.
- INFORMS – Austin, USA, Nov. 2010: “Hydrogen Production Facility Network Design from Stochastic Green Energy Supply Source*,” co-authored with Jorge E. Barnett Lawton and Jarrod Goentzel.
- EURO-Lisbon 2010, Lisbon, Portugal. “Hydrogen Production Facility Network Design with Stochastic Wind Energy Supply and Nodal Pricing”, co-authored with Jorge Barnett* and Jarrod Goentzel.

- EURO-Lisbon 2010, Lisbon, Portugal. “Node Fails, Facility Fails: Facility Location for Emergency Evacuation*”, co-authored with Rongbing Huang* and Seokjin Kim.
- EURO-Lisbon 2010, Lisbon, Portugal. “Location Problems with Two Unreliable Facilities on a Line,” co-authored with O. Berman and D. Krass.
- Alio/INFORMS, Buenos Aires, 2010. “Facility Location for Large-scale Emergencies”, co-authored with Rongbing Huang and Seokjin Kim.
- Alio/INFORMS, Buenos Aires, 2010. “Hydrogen Production Facility Network Design with Stochastic Wind Energy Supply and Nodal Pricing”, co-authored with Jorge Barnett Lawton and Jarrod Goentzel.
- Alio/INFORMS, Buenos Aires, 2010. “Exploring Kanban Principles for a Humanitarian Organization” co-authored with Karla Ruvalcaba and Maria Laura Varela.
- Alio/INFORMS, Buenos Aires, 2010. “Simulation of Sourcing Strategies for Materials Used in Catalytic Converters”, co-authored with Federico Vargas Madrigal and David Gonsalvez.
- Alio/INFORMS, Buenos Aires, 2010. “Median and Center Problems in a Unit Line: Correlation of Facility Disruption”, co-authored with Oded Berman and Dmitry Krass.
- EWGLA-Napoli, Italia, April 2010. “Correlation and disruption induced effects on Location Problems,” co-authored with O. Berman and D. Krass.
- Workshop on Locational Analysis and Related Problems 2010, Sevilla, February 2010. Talk on Optimization in Practice as part of the FORUM promoted within the conference.
- INFORMS – San Diego, USA, October 2009. “Location Reliability Problems – Linear Case” with O. Berman and D. Krass.
- INFORMS – Washington DC, USA, October 2008. “Facility Location for Emergency Evacuation*,” with R. Huang and S. Kim; “Median and Minimax Unreliable Facility Location Problems: Impact of Correlation,” with O. Berman and D. Krass; “Non-linear Relaxation for Classical Single-period Inventory Management Problem*,” with L. Kerbache, K. Luo and C. vanDelft; “The Impact of Cost Uncertainty on the Network Design of Supply Chains*,” with S. Kim and R. Huang.
- EWGLA-Alicante, Spain, September 2008. “Correlation Effects on Facility Location in the Presence of Disruption,” co-authored with O. Berman and D. Krass.
- INFORMS – Seattle, USA, November, 2007: “Impact of Time Sensitive Demand on Facility Location,” co-authored with O. Berman and D. Krass, and “Impact of Cost Uncertainty on the Location of Facilities in a Supply Chain,” co-authored with S. Kim and R. Huang..
- 17eme Journees des CPIM de France du Management des Operations (2007) – “Network design: Results on the benefits of internet based retail firm compared to the classical brick-and-mortar retail firm,” co-authored with O. Berman and D. Krass.
- 1° Congreso de Logistics Y Gestion de la Cadena de Suministro; Zaragoza- Spain, Septiembre 2007.
- EURO XXII – Prague, July 2007. “Locating Facilities in the Presence of Time-Sensitive Demand” and “Reliability and the Center Problem,” co-authored with Oded Berman and Dmitry Krass.
- EWGLA– Estoril, Portugal, February, 2007.
- INFORMS – Pittsburgh, USA, November, 2006: “Constrained Center Problem with Unreliable Facilities” and “Inventory-Location Problems in the Presence of Time-Sensitive Consumer Demand,” co-authored with O. Berman and D. Krass.
- INFORMS International Meeting in Hong Kong, China, June, 2006: “Optimizing Inventory-Location Decisions in the Presence of Time-Sensitive Consumer Demand,” and “Reliability vs. Travel Distance Trade-offs in Facility Location Problems.” Both papers co-authored with Oded Berman and Dmitry Krass.
- INFORMS – San Francisco, USA, November, 2005: “Reliability vs. Travel Distance Trade-offs in Facility Location Problems,” co-authored with Oded Berman, Simin Huang and Dmitry Krass.
- ISOLDE X – Seville, Spain, June, 2005: “Reliability and Facility Location: Modeling Frameworks and Results,” co-authored with O. Berman, D. Krass and Simin Huang.*

- IIE Annual Conference – Atlanta, USA., May, 2005: “Constrained Center Problem with Unreliable facilities.” In coll. with Oded Berman and Dmitry Krass.
- INFORMS – Denver, USA., October, 2004: “Locating Capacitated Facilities to Maximize Captured Demand.” In coll. with Oded Berman, Rongbing Huang and Seokjin Kim.
- Decision Sciences Institute – Annual Conference – Washington, D.C., November, 2003: “Optimal Workforce Size and Configuration for Urban Retail Store Chain,” in coll. with Rongbing Huang and Seokjin Kim* and “The MiniSum with Imperfect Information.” In coll. with Oded Berman and Dmitry Krass
- INFORMS – Atlanta, October, 2003: “MiniSum Location Problem with Unreliable Facilities and Imperfect Information”. in coll. with Oded Berman and Dmitry Krass and “The Median Problem and Reliability of Facilities,” in coll. with Oded Berman and Dmitry Krass.
- Euro-INFORMS – Istanbul, Turkey, June, 2003: “The Median Problem and Reliability of Facilities,” in coll. with Oded Berman and Dmitry Krass*.

** Presentation performed by co-author.*

Other Information

Alumni of the International Teachers Program held in Milan, Italy, during the 2007-2008 academic year.

Fluent in Portuguese and English. Basic knowledge of conversational French and Spanish.

Brazilian and Canadian Citizenships.