

Gonzalo Romero

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Research Interests

Operations Management (OM) in Developing Countries, OM and Data Analytics in Healthcare, Supply Chain Management, Revenue Management, Sustainability.

Appointments

ASSISTANT PROFESSOR OF OPERATIONS MANAGEMENT AND STATISTICS 2014 - Present
Rotman School of Management, University of Toronto, Toronto, ON, Canada.

INSTRUCTOR AND RESEARCH ASSISTANT 2008-2009
Department of Industrial Engineering, Universidad de Chile, Santiago, Chile.

Education

PH.D. IN OPERATIONS MANAGEMENT 2009-2014
Sloan School of Management, Massachusetts Institute of Technology, Cambridge, MA.

BACHELOR OF SCIENCE AND INDUSTRIAL ENGINEERING DEGREE 2002-2008
Department of Industrial Engineering, Universidad de Chile, Santiago, Chile.

Publications

“Near-Optimality of Uniform Co-payments for Subsidies and Taxes Allocation Problems”
Retsef Levi, Georgia Perakis and Gonzalo Romero.
Operations Research, forthcoming, 2018.

“On the Effectiveness of Uniform Subsidies in Increasing Market Consumption”
Retsef Levi, Georgia Perakis and Gonzalo Romero.
Management Science, 63(1), 40-57, 2017.

“A Continuous Knapsack Problem with Separable Convex Utilities:
Approximation Algorithms and Applications”
Retsef Levi, Georgia Perakis and Gonzalo Romero.
Operations Research Letters, 42(5), 367-373, 2014.

“An Approach for Efficient Ship Routing”

Gonzalo Romero, Guillermo Durán, Javier Marenco and Andrés Weintraub.
International Transactions in Operational Research, 20(6), 767-794, 2013.

Papers Under Review

“Optimizing Purchasing and Handling Costs for Supply Chain Procurement”

Retsef Levi, Georgia Perakis and Gonzalo Romero. *Submitted*.

“A Risk-Sharing Pricing Contract for Healthcare Referral Services”

Fernanda Bravo, Retsef Levi, Georgia Perakis and Gonzalo Romero. *Submitted*.

“Operations Strategy in the Base of the Pyramid:

Consumer Education and Reverse Logistics in a Durable Goods Supply Chain”

Andre Calmon, Diana Jue-Rajasingh, Jackie Stenson and Gonzalo Romero. *Submitted*.

“Revenue Management with Repeated Customer Interactions”

Andre Calmon, Florin Ciocan and Gonzalo Romero. *Submitted*.

Working Papers and Work in Progress

“Cherry-picking and its Impact on the Service Level of a Radiology Workflow Platform”

Timothy C. Y. Chan, Nicholas Howard, Saman Lagzi, and Gonzalo Romero. *Working paper*.

Honors and Awards

DISCOVERY GRANT, NATURAL SCIENCES AND ENGINEERING RESEARCH COUNCIL OF CANADA	2018
CONNAUGHT NEW RESEARCHER AWARD, UNIVERSITY OF TORONTO	2016
ARNOLDO HAX FELLOWSHIP, SLOAN SCHOOL OF MANAGEMENT, MIT	2013
FULL TUITION AND FELLOWSHIP, SLOAN SCHOOL OF MANAGEMENT, MIT	2009-2014
RANKED 1/102 AMONG INDUSTRIAL ENGINEERING GRADUATES, UNIVERSIDAD DE CHILE	2008.

Teaching Experience

ROTMAN SCHOOL OF MANAGEMENT, UNIVERSITY OF TORONTO 2015-18

- “RSM270 Operations Management”, Undergraduate course, Winter 2015-2018
- “RSM3090 Theory of Inventory Management”, Ph.D. course, Winter 2017.

INDUSTRIAL ENGINEERING DEPARTMENT, UNIVERSITY OF CHILE 2009

- “IN3701 Optimization”, Undergraduate course, Winter 2009.

Research Presentations

“OPERATIONAL CHALLENGES IN A MEDICAL TRANSPORTATION PLATFORM IN INDIA”

November 2018, INFORMS Annual Meeting, Phoenix, AZ (scheduled).

“DATA ANALYTICS ON THE OPERATIONS OF A RADIOLOGY WORKFLOW PLATFORM”

November 2018, INFORMS Annual Meeting, Phoenix, AZ (scheduled)

June 2018, CORS Annual Meeting, Halifax, NS

May 2018, Rotman School of Management, University of Toronto, Toronto, ON

November 2017, INFORMS Annual Meeting, Houston, TX.

“REVENUE MANAGEMENT WITH REPEATED CUSTOMER INTERACTIONS”

August 2018, Department of Industrial Engineering, University of Chile, Santiago, Chile

July 2018, ISMP, Bordeaux, France

July 2018, INSEAD European Conference on Technology and Operations, Fontainebleau, France

June 2018, INFORMS Revenue Management and Pricing Section Conference, Toronto, ON

November 2017, INFORMS Annual Meeting, Houston, TX

June 2017, MSOM Conference, Chapel Hill, NC

November 2016, INFORMS Annual Meeting, Nashville, TN.

“OPERATIONS STRATEGY IN THE BASE OF THE PYRAMID:

CONSUMER EDUCATION AND REVERSE LOGISTICS IN A DURABLE GOODS SUPPLY CHAIN”

May 2018, POMS Annual Meeting, Houston, TX

January 2018, Sauder School of Business, University of British Columbia, Vancouver, BC.

“CONSUMER EDUCATION AND REGRET RETURNS IN A SOCIAL ENTERPRISE”

November 2017, INFORMS Annual Meeting, Houston, TX

July 2017, IFORS Annual Meeting, Quebec City, QC

June 2017, MSOM SIG Meeting, Chapel Hill, NC

March 2017, Junior Faculty Sustainability Workshop, University of Virginia, Charlottesville, VA

January 2017, Workshop in Management Science, Puerto Varas, Chile

November 2016, INFORMS Annual Meeting, Nashville, TN

May 2016, POMS Annual Meeting, Orlando, FL.

“HOW GOOD ARE UNIFORM CO-PAYMENTS IN MAXIMIZING MARKET CONSUMPTION?”

October 2016, Desautels Faculty of Management, McGill University, Montreal, QC

July 2016, INFORMS International Meeting, Waikoloa, HI

November 2015, INFORMS Annual Meeting, Philadelphia, PA

June 2015, MSOM Conference, Toronto, ON

May 2015, POMS Annual Meeting, Washington, DC.

“OPTIMIZING PURCHASING AND HANDLING COSTS FOR SUPPLY CHAIN PROCUREMENT”

May 2016, CORS Annual Meeting, Banff, AB

November 2014, INFORMS Annual Meeting, San Francisco, CA

June 2014, MSOM Conference, Seattle, WA

March 2014, Rotman School of Management, University of Toronto, Toronto, ON.

“PRICING CONTRACTS BETWEEN HEALTHCARE SYSTEMS”

July 2015, INFORMS Healthcare Conference, Nashville, TN

June 2014, MSOM Conference, Seattle, WA

May 2014, SIAM Optimization Conference, San Diego, CA

October 2013, INFORMS Annual Meeting, Minneapolis, MN.

“THE EFFECTIVENESS OF UNIFORM SUBSIDIES IN INCREASING MARKET CONSUMPTION”

December 2014, Workshop in Management Science & Economics, University of Chile, Santiago, Chile

November 2014, University of Toronto Operations Research Group, Toronto, ON

March 2014, Rotman School of Management, University of Toronto, Toronto, ON

February 2014, London Business School, London, England

February 2014, Industrial Engineering Department, University of Pittsburgh, Pittsburgh, PA

January 2014, Foster School of Business, University of Washington, Seattle, WA

January 2014, INSEAD, Fontainebleau, France.

“ON THE EFFECTIVENESS OF UNIFORM SUBSIDIES TO INCENTIVIZE DEMAND”

May 2014, SIAM Optimization Conference, San Diego, CA

December 2013, MIT Sloan Operations Management Seminar Series, Cambridge, MA

October 2013, INFORMS Annual Meeting, Minneapolis, MN

July 2013, MSOM Conference, Fontainebleau, France.

“ALLOCATING SUBSIDIES TO MINIMIZE A COMMODITY’S MARKET PRICE
A NETWORK DESIGN APPROACH”

October 2012, INFORMS Annual Meeting, Phoenix, AZ

August 2012, ISMP, Berlin, Germany

June 2012, MSOM Conference, New York, NY.

“NETWORK DESIGN UNDER EQUILIBRIUM FLOW

AN APPLICATION TO OPTIMAL SUBSIDY ALLOCATION”

November 2011, INFORMS Annual Meeting, Charlotte, NC

November 2011, MIT Sloan Operations Management Seminar Series, Cambridge, MA.

Professional Activities and Service

AD-HOC REVIEWER FOR: MANAGEMENT SCIENCE, OPERATIONS RESEARCH, MANUFACTURING & SERVICE OPERATIONS MANAGEMENT, PRODUCTION AND OPERATIONS MANAGEMENT, ANNALS OF OPERATIONS RESEARCH, NAVAL RESEARCH LOGISTICS, INTERNATIONAL TRANSACTIONS IN OPERATIONAL RESEARCH, AND THE CHILEAN FUND FOR SCIENCE AND TECHNOLOGY (FONDECYT).

AUGUST, 2018