Maria Gisela Bardossy, Ph.D.

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Education

Ph.D., University of Maryland, Robert H. Smith School of Business, 2011.
Major: Management Science

M.S., Clemson University, Department of Mathematical Sciences, 2005.
Major: Mathematical Sciences

B.S., Universidad Catolica de Cordoba, Facultad de Ingenieria, 2002.
Major: Industrial Engineering

Licentiate, Universidad Nacional de Cordoba, Facultad de Administracion, 2002.
Major: Business Administration

Professional Positions

Academic - Faculty

Assistant Professor of Decision Science, University of Baltimore Merrick School of Business. (2011 - Present).

Instructor, University of Maryland. (2010).

Instructor, University of Maryland. (2008).

Lecturer, Clemson University. (2005).

Lecturer, Clemson University. (2004).

Professional

Program Analyst, Sigma Space Corp. (2005 - 2006).

Professional Memberships

Decision Sciences Institute (Present).

Institute for Operations Research and the Management Science (INFORMS) (Present).

Awards and Honors

SOLA - Air Products Biannual Dissertation Award. Section on Location Analysis - INFORMS. (2012).

Finalist for the 2012 Doctoral Dissertation Award for Operations Research in Telecommunications. INFORMS Technical Session on Telecommunications. (2012).

Future Academician Colloquium. INFORMS Austin, TX. (2010).

Jacob K. Goldhaber Grant. Graduate School, University of Maryland. (2010).

Ann G. Wylie Dissertation Fellowship. Graduate School, University of Maryland. (2010).

Professional Colloquium. INFORMS Practice Conference Miami, FL. (2006).

Excellence in Teaching Award. Department of Mathematical Sciences, Clemson University. (2005).

The Honor Society of Phi Kappa Phi. Clemson University, Chapter 49, College of Engineering and Science. (2004).

Outstanding Engineering Undergraduate Award. Universidad Catolica de Cordoba. (2003).

RESEARCH

Intellectual Contributions

Book Chapters

Arsham, H., Bardossy, G., & Sharma, D. K. (2014). Essentials of Linear Programming for Managers: From System of Inequalities to Software Implementation. *IGI Global publisher. Chapter 7*(First Edition), 96-127.

Bardossy, G., & Shier, D. (2006). Label-Correcting Shortest Path Algorithms Revisited. *Springer.* 179-197.

Refereed Journal Articles

Bardossy, G., & Raghavan, S. (2010). Dual-Based Local Search for the Connected Facility Location and Related Problems. *22*(4), 584-602.

Conference Proceedings

Bardossy, G., & Raghavan, S. (Present). Robust Optimization for the Connected Facility Location Problem. *Electronic I Electronic Notes in Discrete Mathematics.*

Presentations

Bardossy, G. "The Mathematics of YouTube: Where Exactly on the Internet is the Gangnam Style Video?," Mathematical Association of America, Townson University. (2013).

Bardossy, G. "Stochastic Dynamic Allocation of Deceased-Donor Kidneys Based on Historical Data Logs," Austin, TX. (2010).

Bardossy, G. "The Connected Facility Location Problem under Customer Uncertainty," Austin, TX. (2010).

Bardossy, G. "The Stochastic Connected Facility Location Problem," Montreal, Canada. (2010).

Bardossy, G. "Dual-Based Local Search for the Connected Facility Location and Related Problems," Chicago, IL. (2009).

Bardossy, G. "Stochastic Dynamic Allocation of Deceased-Donor Kidneys Based on Historical Data Logs," University of Maryland, MD. (2009).

Bardossy, G. "Dual-Based Local Search Heuristics for the Connected Facility Location Problem," Pisa, Italy. (2009).

Bardossy, G. "Dual-Based Local Search Heuristics for the Connected Facility Location Problem," The Institute for systems research, University of Maryland, MD. (2009).

Bardossy, G. "Dual-Based Local Search Heuristics for the Connected Facility Location Problem," Charleston, South Carolina. (2009).

Bardossy, G. "Dual-Based Local Search Heuristics for the Connected Facility Location Problem," Buenos Aires, Argentina. (2008).

Bardossy, G. "Dual-Based Local Search Heuristics for the Connected Facility Location Problem," Washington D.C. (2008).

Bardossy, G. "Heuristics for the Steiner Tree-Star Problem," University of Maryland, MD. (2008).

Bardossy, G. "Heuristics for the Steiner Tree-Star Problem," The Institute for systems research, University of Maryland, MD. (2008).

Bardossy, G. "Heuristics for the Connected Facility Location problem," University of Maryland, MD. (2008).

Bardossy, G. "Dual-ascent for the connected Facility Location problem," Seattle, WA. (2007).

Bardossy, G. "Label-Correcting shortest Path Algorithms Single-Source Shortest Path Problems," San Francisco, CA. (2005).

Contracts, Grants and Sponsored Research

Grants

Bardossy, Gisela (Principal), "Educational webcasts for Business Statistics and Decision Science" Sponsored by The University of Baltimore, $4755. (2012).

Intellectual Contributions in Submission

Bardossy, G. , & Raghavan, S. An Inexact Sample Average Approximation Approach for the Stochastic Connected Facility Location Problem. .

Research in Progress

"Stochastic Dynamic Allocation of Deceased - Donor Kidneys Based on Historical Data Logs"" (Writing Results)

"The Connected Facility Location Problem under Customer Uncertainty" (Writing Results)

Professional Service

University of Detroit Mercy, College of Business Administration.

American University, Kogod School of Business. (2011).

Pontificia Universidad Catolica de Chile, Ingenieria en Transporte y Logistica. (2011).

Universidad de Chile, Ingenieria Industrial. (2011).

Reviewer, Journal Article, Production and Operations Management. (2010).

Reviewer, Conference Paper, International Network Optimization. (2009).

Development Activities

Workshop, "Networked Learners and the Networked Economy," CELLT. (March 2013 - May 2013).

Conference Attendance, "VII Latin-American Algorithms, Graphs and Optimization Symposium (LAGOS)," Cinvestav-IPN, Conacyt, others. (April 2013 - April 2013).

"Thinking Outside of the CMS," CELLT. (April 2013 - April 2013).

Workshop, "Google Apps and Docs," CELLT. (March 2013 - March 2013).

Workshop, "Digital Scholarship," CELLT. (March 2013 - March 2013).

Conference Attendance, "Teaching Business Statistics e-Conference," Pearson Higher Ed. (March 2013 - March 2013).

Conference Attendance, "CELTT Fall Teaching & Learning Day," CELTT. (November 2012 - November 2012).

Conference Attendance, "INFORMS Annual Meeting 2012," INFORMS. (October 2012 - October 2012).

Workshop, "Harvey Brightman Master Teacher," (January 2012 - January 2012).

Workshop, "CTE Graduate TA Orientation Workshop Presenter," (2010).

Workshop, "University Teaching and Learning Program," (August 2009 - August 2010).

Conference Attendance, "Lilly-East Conference Grant," (2010).

Seminar, "Teaching Effectiveness Colloquium," INFORMS Annual Meeting, San Diego, CA. (2009).

Seminar, "International Teaching Fellowship," Center for Teaching Excellence, University of Maryland. (2009).