

# Gemma Berenguer

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**POSITION**      **Assistant Professor, Purdue University**      June 2012 - Present  
Operations Management, Krannert School of Management

**EDUCATION**      **University of California, Berkeley**      Aug 2007 - May 2012  
Ph.D. in Industrial Engineering & Operations Research

**Massachusetts Institute of Technology - Zaragoza Logistics Center**      May 2007  
M.Eng. in Logistics and Supply Chain Management (ZLOG)

**Barcelona Graduate School of Economics (Spain)**      June 2006  
M.Sc. in Economics

**Universitat Politècnica de Catalunya, Barcelona (Spain)**      June 2005  
Mathematics (Llicenciatura, 5-year Degree)

**EMPLOYMENT**      **Graduate Student Instructor, U.C. Berkeley**      Aug 2009 - May 2012  
Courses at IEOR Department and Haas School of Business

**Lecturer, Santa Clara University**      Sep 2010 - March 2011  
Leavey School of Business, OMIS 108, Operations Management.

**Student Researcher, Lawrence Berkeley National Labs**      Sep 2009 - June 2010  
Energy Efficiency Standards Group

**Analyst, BTI Group**      June 2008 - August 2008  
Mergers and Acquisitions

**Teacher Assistant, Universitat Pompeu Fabra**      Sep 2005 - June 2006

**RESEARCH & TEACHING INTERESTS**      Operations Management, Supply Chain Management, Sustainable and Socially Responsible Operations, Nonprofit Supply Chains, Supply Chain Design Problems, Optimization.

## **PUBLICATIONS** Journal Articles

- “A Capacitated Facility Location Model with Bidirectional Flows”, with Zhi-Hai Zhang and Zuo-Jun (Max) Shen, *to appear, Transportation Science*.
- “A Conic Integer Programming Approach to Location-Inventory Problems”, with Alper Atamtürk and Zuo-Jun (Max) Shen, 2012, (60) 366-381, *Operations Research*.

### Book Chapters

- “Transportation-Location Problem for a Solar Stove Distributing Nonprofit Organization”, with Amber Righter and Zuo-Jun (Max) Shen, *Case Studies in Operations Research: Applications of Optimal Decision Making*, book edited by Katta G. Murty, Springer (2013), to appear.

### Working Papers

- “Challenges in Nonprofit Operations: an Operations Management perspective”, with Amber Righter and Zuo-Jun (Max) Shen.

### Work in Progress

- “Benchmarking for Improving the Efficiency of In-country Organizations in Global Health Supply Chains”, with Ananth Iyer and Prashant Yadav.

## TALKS

### Invited Talks

- “Continuous Productivity Improvement Opportunities: Private Goods Supply Chains to Country Level Healthcare Supply Chains”, Global Health Supply Chain Summit, Kigali (Rwanda), November 2012
- “Supply Chain Design: A Novel Solution Approach and a Humanitarian Setting”  
Santa Clara University (January 2012), London Business School (January 2012), Indiana University (January 2012), Purdue University (January 2012), McGill University (February 2012), University of Michigan (February 2012)

### Conference Presentations

- “Benchmarking for Improving the Efficiency of In-Country Organizations in Global Health Supply Chains”
  - INFORMS Healthcare 2013 Chicago
  - INFORMS Annual Meeting 2013 Minneapolis
- “Distribution of Solar Stoves in Senegal: a Nonprofit Supply Chain”
  - INFORMS Annual Meeting 2012 Phoenix
- “A Conic Approach for Supply Chain Design Problems”
  - INFORMS Annual Meeting 2011 Charlotte
- “Nonprofit Supply Chain Design with Unreliable Delivery Times and Capacity Constraints”
  - POMS Annual Meeting 2011 Reno
  - INFORMS Annual Meeting 2010 Austin
- “A Capacitated Nonprofit Supply Chain with Unreliable Maintenance and Shipping”
  - Humanitarian Logistics Conference 2010 Georgia Tech, Atlanta
- “Conic Program for a Capacitated Location-Inventory Model with Unreliable Supply and Transportation”
  - INFORMS Annual Meeting 2009 San Diego
  - MIP2009, Mixed Integer Programming Workshop Series, U.C. Berkeley

**AWARDS/  
FELLOWSHIPS**

**The Doug and Maria DeVos Faculty Summer Support Award in Global Supply Chain Management**, Krannert School of Management, Purdue University 2012

**Katta G. Murty Best Paper Prize**, U.C. Berkeley 2010  
Awarded by U.C. Berkeley's IEOR faculty to the best student paper in optimization.

**Outstanding Graduate Student Instructor Award**, U.C. Berkeley 2010  
Awarded by U.C. Berkeley's Teaching Center, less than 5% teacher assistants receive it.

**MOT-China Fellow**, U.C. Berkeley 2008

**La Caixa Graduate Fellowship**, Fundació La Caixa 2007 - 2009  
Granted for 24 months of fully covered graduate studies in the U.S.

**ZLOG Best Thesis Award and PILOT Award for the Best Thesis** 2007

**Full-tuition Scholarship**, Centro Nacional de Competencia en Logística Integral 2007

**Erasmus Scholarship**, Université Pierre et Marie Curie (Paris) Sep 2005 - June 2006  
Mathematics, Université Pierre et Marie Curie (Paris).

**SERVICE/  
AFFILIATIONS**

**Referee**, Production and Operations Management, Decision Sciences.

**Professional member**, INFORMS, MSOM, POMS, APICS.

**Session Chair**, INFORMS Healthcare 2013 Chicago, INFORMS 2012 Phoenix.