

Mohammad R. Oskoorouchi, Ph.D.

Associate Dean

Director of Graduate Programs

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PROFESSIONAL POSITIONS

- 2013 – present *Associate Dean, College of Business Administration, California State University San Marcos.*
- 2013 – present *Director of Graduate Programs, College of Business Administration, California State University San Marcos.*
- 2012 – present *Professor, College of Business Administration, California State University San Marcos.*
- 2011 – 2013 *MBA Director, College of Business Administration, California State University San Marcos.*
- 2007 – 2012 *Associate Professor, College of Business Administration, California State University San Marcos.*
- 2002 – 2007 *Assistant Professor, College of Business Administration, California State University San Marcos.*
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- 2010 – 2012 *Lecturer, FEMBA Program, The Paul Merage School of Business, University of California, Irvine.*
- 2009 – 2011 *Lecturer, EMBA Program, The Gary Anderson Graduate School of Management, University of California, Riverside.*
- 2000 – 2002 *Lecturer, MBA, MMM and BCOM programs, Faculty of Management, McGill University, Montreal, Canada.*
- 1997 – 2002 *Teaching / Research Assistant, Faculty of Management, McGill University, Montreal, Canada.*
- 1993 – 1995 *Lecturer and Teaching Assistant, Department of Mathematical Sciences, Sharif University of Technology, Tehran, Iran.*

EDUCATION

- Ph.D. Management Science, McGill University, Montreal, Canada 2002.
- M.S. Applied Mathematics, Sharif University of Technology, Tehran, Iran 1996.
- B.Sc. Applied Mathematics, Shiraz University, Shiraz, Iran, 1993.

RESEARCH INTERESTS

- Large Scale Optimization with healthcare applications
- Interior Point Methods
- Column generation techniques
- Conic optimization
- Nondifferentiable Optimization

TEACHING

Graduate Courses:

- CSUSM: Statistics for Management, Managerial Model Building, Management Science, Management Decision Analysis, Masters Project
- UC Irvine: Statistics for Management (FEMBA)
- UC Riverside: Review Of Quantitative Methods for Management (EMBA), Quantitative Analysis (EMBA),
- McGill: Data, Models, and Decisions (MMM)

Undergraduate Courses:

- CSUSM: Decision models, Data Analysis – Flipped Version, Operations Management, Senior Experience
- UC Irvine: Management Science, Statistics for Business Decisions,
- McGill University: Operations Research

PEER REVIEWED JOURNAL PUBLICATIONS

1. M. R. Oskoorouchi, H. R. Ghaffari, T. Terlaky, D. Aleman, "An interior point constraint generation method for semi-infinite optimization with healthcare application", *Operations Research*, Vol. 59, No. 5, 2011, pp. 1184 – 1197.
2. Katta G. Murty and Mohammad R. Oskoorouchi, "Sphere methods for LP", *Algorithmic Operations Research*, Vol. 5, 2010, pp. 21 – 33.
3. Katta G. Murty and Mohammad R. Oskoorouchi, "Note on implementing the new sphere method for LP using matrix inversions sparingly", *Optimization Letters*, Vol. 3, No. 1, 2009, pp. 137 – 160.
4. M. R. Oskoorouchi and John E. Mitchell, "A second-order cone cutting surface method: complexity and applications", *Computational Optimization and Applications*, Vol. 43, No. 3, 2009, pp. 379 – 409.
5. M. R. Oskoorouchi and J.-L. Goffin, "A matrix generation approach for eigenvalue optimization", *Mathematical Programming*, Vol. 109, No. 1, 2007, pp. 155 – 179.
6. M. R. Oskoorouchi and J.-L. Goffin, "An interior point cutting plane method for convex feasibility problem with second-order cone inequalities", *Mathematics of Operations Research*, Vol. 30, No. 1, February 2005, pp. 127 – 149.
7. M. R. Oskoorouchi and J.-L. Goffin, "The Analytic Center Cutting Plane Method with Semidefinite Cuts", *SIAM Journal on Optimization*, Vol. 13, No. 4, 2003, pp. 1029 – 1053.

BOOKS EDITED

8. TutORial in Operations Research: Decision Technologies and Applications, *INFORMS 2009*.

MANUSCRIPTS

9. Fast Descent Methods for LPs With Minimal or No Matrix Inversions, with K. G. Murty.

MANUSCRIPTS IN PREPARATION

10. A variant of sphere method using ACCPM for large-scale linear programming
11. A cutting plane algorithm for semi-infinite optimization with second-order cone constraints
12. A cutting plane algorithm for second-order cone optimization

INVITED TALKS AND CONFERENCE PRESENTATIONS

Southern California OR Day, UC Irvine (2010)
INFORMS Annual Meeting (2000, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010)
AdvOL (Advanced Optimization Laboratory), McMaster University, Hamilton, Canada July 2008.
SIAM Conference on Optimization (2002, 2005)
International Symposium on Mathematical Programming (2000, 2003)
International Conference on Continuous Optimization (2004)
CORS/INFORMS meeting (2004)
Southern California OR Day (2003)
McMaster Optimization Conference (2001)
Novel Approach to Hard Discrete Optimization Conference (2001)
Graduate Industrial Mathematical Modeling Camp (2000)
Optimization Days (2000).

HONORS AND AWARDS

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| 2013 | Awarded , Outstanding MBA Instructor Award, College of Business Administration, CSUSM. |
| 2010 | Nominated , President's Outstanding Faculty Award for Teaching Innovation and Excellence |
| 2008 | Nominated , President's Outstanding Faculty Award for Scholarship and Creative Activity |
| 2002 | Dean's Honor List , Doctoral Dissertation, McGill University, Montreal, Canada. |
| 1995 | First rank , among graduate students in Applied Mathematics, Department of Mathematical Sciences, Sharif University of Technology, Tehran, Iran |
| 1993 | First rank , among over 1000 applicants in a nationwide admission test for graduate studies in applied mathematics, conducted in February 1993 in Iran. |

GRANTS

- Lecturer Professional Development Award, University of California, Irvine, 2009 - 2012.
- University Professional Development/Research, Scholarship and Creative Activity Grant, California State University San Marcos, 2003 – 2011.
- Markstein Faculty Fellowship Award, California State University San Marcos, 2004 – 2005.
- Fonds pour la formation de chercheurs et l'aide a la recherche (Fonds FCAR), a granting agency of the Québec government, 2000 – 2001.
- McGill University, McGill Major Fellowship for academic years 1999 – 2001.
- McGill University, research assistantship and differential tuition fee waiver, 1997 – 2002.
- Sharif University of technology, research/teaching assistantship, 1993 – 1996.

PROFESSIONAL SERVICE

CSU System–Level

- 2006 – 2012 CSU – Entry Level Mathematics Committee (ELM)
2009 – 2010 CSU – Lower-Division Transfer Project (LDTP)

University–Level

- 2011 - 2012 Chair, Professional Leave Committee
2009 – 2011 Executive Committee (Senate Secretary)
2009 – 2011 Secretary, Academic Senate
2007 – present Faculty Mentoring Program
2010 – 2011 Student Fee Advisory Committee
2009 – 2010 Data reconciliation and analysis subcommittee of BLP
2009 – 2010 NEAC
2008 – 2009 Learning Taskforce of Educational Effectiveness Review for the WASC Report
2005 – 2008 Academic Senate (CoBA rep and APC rep)
2005 – 2007 Chair, Academic Policy Committee
2005 – 2007 Executive Committee (APC rep)
2004 – 2008 Academic Policy Committee (CoBA rep)

College–Level

- 2012 – present MBA Director
2011 – 2013 Chair, Research and Development Committee
2011 – 2012 MBA Interim Director
2007 – 2009 MBA Committee (At Large)
2002 – 2004 MBA Committee
2002 – 2004 MBA Admission Subcommittee
2002 – 2003 Senior Experience Advisory Board

Department–Level

- 2012 – 2013 Chair, PRC, ISOM Department
2010 – 2012 Co-Chair, GSCM Advisory Board
2010 – 2012 Faculty Advisor, GSCM Society
2004 – present Course Coordinator of Business Statistics and Decision Models
2009 – 2010 PRC, ISOM department
2005 – 2006 OM Recruitment Committee

Professional Service

- **Organizing Committee INFORMS Annual Meeting 2015, Philadelphia.**
 - Invited Clusters Chair
- **Program Committee, 4th International Conference on Operations Research and Enterprise Systems (ICORES 2015).**
- **Vice-Chair, Linear Programming and Complementarity, INFORMS Optimization Society 2011 – 2013.**
- **Program Committee, 2nd International Conference on Operations Research and Enterprise Systems (ICORES 2013).**
- **Advisory Board: INFORMS TutORials in Operations Research, 2009 – 2012.**
- **Editorial Board: International Journal of Operations Research and Information Systems – Listed in the Cabell's Directory (an AACSB standard) and indexed in Science Direct.**
- **Organizing Committee, INFORMS Annual Meeting 2009, San Diego.**
 - Program Co-Chair
 - Tutorial Chair
 - Cluster Chair, Large-Scale optimization
- **Ad-Hoc Reviewer: Management Science, Mathematical Programming, Mathematics of Operations Research, SIAM Journal on Optimization, Journal of Applied Mathematics and Decision Sciences, Journal of Optimization: Theory and Applications, Computational Optimization and Applications, International Journal of Operations Research and Information Systems, Journal of Industrial and Management Optimization, Journal of Engineering and Applied Science.**