

CURRICULUM VITAE
HAMID POURMOHAMMADI

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EDUCATION

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|------|-------|---|
| 2005 | Ph.D. | Industrial and Systems Engineering
University of Southern California, LA, CA
Thesis: “Green Logistics for Regional Industrial Waste
Materials and By-Products” |
| 2001 | M.S. | Operations Research Engineering
University of Southern California, LA, CA |
| 1999 | M.S. | Industrial Engineering
AmirKabir University of Technology, Tehran, Iran |
| 1996 | B.S. | Industrial Engineering
AmirKabir University of Technology, Tehran, Iran |

RESEARCH INTERESTS:

Supply Chain Management, Logistics and Transportation, Facility Layout and Location, Production Planning and Scheduling, Application of Operations Research in Industry, and Simulation.

WORK EXPERIENCE

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| Aug. 2017 – Present | Professor,
California State University, Dominguez Hills
College of Business Administration and Public Policy
Department of Information Systems and Operations Management |
| 2013 – Present | Supply Chain Management Executive Advisor,
Weather-Tech Fasteners Global Solutions, Inc. |
| 2011 – 2017 | Associate Professor,
California State University, Dominguez Hills
College of Business Administration and Public Policy
Department of Information Systems and Operations Management |
| 2005 – 2011 | Assistant Professor,
California State University, Dominguez Hills
College of Business Administration and Public Policy
Department of Information Systems and Operations Management |

USDA Project Director,

Managing \$250,000 United State Dept. of Agriculture grant to develop a new undergraduate and graduate program in Global Logistics and Supply Chain Management.

Developed Programs:

- ✓ Global Logistics and Supply Chain Management (undergraduate)
- ✓ Logistics Management (Graduate – MBA)
- ✓ Logistics Management (Certificate Program)

Developed Courses:

- ✓ Introduction to Transportation Management (OMG 220)
- ✓ Introduction to Logistics Management (OMG 225)
- ✓ Introduction to Supply Chain Management (OMG 230)
- ✓ Global Transportation Management (OMG 420)
- ✓ Global Logistics (OMG 425, undergraduate)
- ✓ Business Process Improvement (OMG 427)
- ✓ Supply Chain Management Design and Strategy (OMG 570)
- ✓ Global Logistics Management (OMG 580)
- ✓ Introduction to Global Transportation Management (OMG 595)

Courses Taught

- **California State University, Dominguez Hills:**
 - OMG 321: Introduction to Business Statistics
 - OMG 322: Introduction to Operations Management
 - OMG 420: Introduction to Transportation Management
 - OMG 423: Introduction to Operations Research
 - OMG 425: Logistics Management
 - OMG 430: Supply Chain Management
 - BUS 495: OR/Statistics (Bridge Course)
 - OMG 502: Operations Management
 - OMG 595: Global Transportation Management
- **University of California, Irvine:**
 - MGMT 101: Management Science
 - MGMT 189: Operations Management
 - MGMT 182: Supply Chain Management
 - MGMT 208: Operations Management (MBA)
 - MGMT 285: Supply Chain Management (MBA)
- **University of Southern California:**
 - ISE 330: Introduction to Operations Research I: Deterministic Models
 - ISE 331: Introduction to Operations Research II: Stochastic Processes
 - ISE 426: Statistical Quality Management
 - ISE 513: Inventory Management

2001 – 2005

Graduate Research Assistant

Epstein Department of Industrial and Systems Engineering,
University of Southern California, Los Angeles, CA

- ❑ Created a database and applied SAS and Access packages to analyze data obtained through a survey, which conducted among LA County Electronic industries.
- ❑ Developed a mathematical model (MILP) to determine the optimal waste flow in a supply chain network with minimum environmental impacts of Production and Transportation. In this study the concept of Reverse Logistics was applied to a B2B environment.
- ❑ Developed a mathematical model to cluster and prioritize bridges in the LA Metropolitan area to repair damaged bridges efficiently in emergency circumstances (e.g. earthquake).

2000 – 2001

Graduate Research Assistant

Center for Advance Transportation Technology (CATT),
University of Southern California, Los Angeles, CA

- ❑ Developed a mathematical model for dynamic optimization of cargo movement by trucks in metropolitan area with adjacent ports.
- ❑ Proposed different approaches for port material handling problem. These approaches include: AGV (Automated Guided Vehicle), AS/RS (Automated Storage and Retrieval Systems), GRAIL (Grid Rail), and LM (Linear Motor).
- ❑ Developed an algorithm for modeling and route guidance of trucks in metropolitan areas, using Arcview-GIS software.

1996 – 1999

Systems Analyst

RADHA Co. (Research, Analysis, Design and High-Tech
Advisory), Tehran, Iran.

- ❑ Applied MCDM (Multi Criteria Decision Making) analysis to develop an analytical algorithm that assesses candidates for managerial positions according to their skills and characteristics.
- ❑ Developed a mathematical model for regional postal companies' size selection. The model was implemented based on Genetic Algorithm heuristic.
- ❑ Participated in structured system analysis for a chain store Management-Operation Information Systems.

- Designed a quality control system based on Statistical Quality Control methods for Iran Dairy Industries Company and obtained ISO 9002 approval for the company.

PUBLICATIONS

Published Book:

Pourmohammadi, H., “*GREEN LOGISTICS FOR REGIONAL INDUSTRIAL WASTE MATERIALS & BYPRODUCTS: A Closed Supply Chain Management*”
Published by: VDM Verlag Dr. Muller, 2009.

Papers:

Sarfaraz, A. Pourmohammadi, H., Perez, J.E. “An Integration of Fuzzy-Analytic Hierarchy Process (AHP) and Quality Function Deployment (QFD) in Lean Concept Selection for Manufacturing Industries”, *Journal of Supply Chain and Operations Management*, 14(2), 2016.

Sarfaraz, A. Pourmohammadi, H., Latifian, A. “Application of Fuzzy Analytical Hierarchy Process and Quality Function Deployment (FAHP-QFD) Technique in Improving Employee Performance”, *Business Management Dynamics*, Vol. 5, Issue 8, P. 39-52, 2016.

Lin, P. Pourmohammadi, H., Sarfaraz, A. “A Combined AHP-GP Model for Selecting and Awarding Design-build Construction Contracts”, *Business Management Dynamics*, Vol. 5, Issue 4, P. 30-42, 2015.

Chadawad, R., Sarfaraz, A., Jenab, K., Pourmahammadi, H. “Integration of AHP-QFD for Selecting Facility Location”, *Benchmarking: an International Journal*, Vol.22, Issue 3. P. 411-425, 2015.

Jenab, K., Pourmohammadi, H., Sarfaraz, M. “An i-AHP&QFD Warranty Mode”, *Benchmarking: an International Journal*, Vol.21, Issue 6, P.884-902, 2014.

Moazeni, S., Pourmohammadi, H. “Smart Teaching Quantitative Topics through the VARK Learning Styles Model”. *Proceedings of the 3rd IEEE Integrated STEM Education Conference (ISEC 2013), USA (2013) pp. 1--5.*

Matsubara, K. T., Pourmohammadi, H., Wong, W.C. “A Novel Logistics Model to Support Green Automotive Manufacturing”, *Conference Proceedings, West Lake International Conference*, Hangzhou, China, 2011.

Matsubara K. T., Pourmohammadi, H. “The Automotive Industry Supply Chain: The Evolution of Quality and Supplier Relationships”, *International Review of Business Research Papers*, Nov. 2009 Issue

Riddle, G., Fee, G., Pourmohammadi, H. “Roadblocks to Widespread RFID Implementation: Issues of Design and Infrastructure”, *European Journal of Management*, Vol. 9, No. 1, 2009 P: 176-182.

Pourmohammadi, H. Ramazani, R. “Decentralization of a Post Company”, *California Journal of Operations Management*, Vol. 7, No. 1, 2009. P:104-111.

Pourmohammadi, H., Dessouky, M., Rahimi, M. “Sustainable Reverse Logistics for Distribution of Industrial Waste/By-Products: A Joint Optimization of Operation and Environmental Costs”, *Supply Chain Forum: an International journal*, Vol 9, No. 1, 2008.

Pourmohammadi, H. “Urban Transportation Network Recovery Following a Catastrophic Event”, *California Journal of Operations Management*, Vol. 6, No. 1, 2008.

Eyadat, M., Pourmohammadi, H. “Deployment Of The RFID System In Retail Supply Chain Management: Decision Tree Analysis”, *The Review of Business Research Journal*, Vol. II, 2007.

Eyadat, M., Pourmohammadi, H. “The Effect of RFID Technology on Supply Chain Management in Retail Industry”, *The Review of Business Research Journal*, Vol. II, 2006.

Pourmohammadi H., Rahimi M., Dessouky M., Rigby D., Vos B. “Green Logistics for Regional Industrial Waste Materials and By-Products” *Conference Proceedings, Industrial Engineering, Research Conference*, Texas, Houston, 2004.

Rahimi M., Dessouky M., Yenice-Ay B., Pourmohammadi H., Vos. R. “Greening of Industrial Materials Networks in Los Angeles County: Reverse Logistics Model Development” *Conference Proceedings, Industrial Engineering, Research Conference*, Oregon, Portland, 2003.

Papers Under Review

“Selection of an efficient energy resources toward reduction of carbon dioxide emissions and climate change” [with Sadeghi, M., and Sarfaraz, A.]

Technical Reports:

Ioannou, P., Jula, H., Liu, C., Vukadinovic, K., and Pourmohammadi, H. “Advanced Material Handling: Automated Guided Vehicles in Agile Ports” submitted to Center for Commercial Deployment of Transportation Technology (Jan. 2001).

Ioannou, P., Bose, A., Jula, H., Kanaris, A., Pourmohammadi, H., Sotelo, J., Vukadinovic, K. “Modeling and Route Guidance of Trucks in Metropolitan Areas; submitted to National Center for Metropolitan Research (Aug. 2000).

PRESENTATIONS

INFORMS Annual meeting (Washington, DC 2008), “Efficient Supply Chain Management in Metropolitan Area Adjacent to a port”.

ISETL (Palm Springs, CA 2006), “Comparison of Quantitative Teaching Approaches in a Business School”.

INFORMS Annual meeting (Denver, Colorado 2004), “Bridge Reconstruction Strategy”.

INFORMS Annual meeting (Atlanta, Georgia 2003), Speaker and Session Chair: “Regional Industrial Waste Materials and By-Products Exchange Network Optimization”.

GRANTS:

- The Leonard Transportation Center (Aug. 2009, \$4999.00).
Proposal Title: Improving Goods Movement in a Metropolitan Area Adjacent to a Port.
- SALLY CASANOVA MEMORIAL RSCAAP FELLOWSHIP APPLICATION (Summer 2009, \$5000.00)
Proposal Title: Los Angeles Urban Transportation Network Recovery Following a Catastrophic Event.
- SALLY CASANOVA MEMORIAL RSCAAP FELLOWSHIP APPLICATION (Summer 2011, \$5000.00)
Proposal Title: Assessment of the Disruption of Primary Supply Port Routes Caused by Disaster or Terrorist Attack

HONORS AND AWARDS

- ❑ Received the Industrial and Systems Engineering department’s best Teaching Assistantship award, USC 2005.
- ❑ Received the Industrial and Systems Engineering department’s best Teaching Assistantship award, USC 2004.
- ❑ Ranked among the top 2% in Iran nation-wide Entrance Examination for M.S.
- ❑ Ranked among the top 1% in Iran nation-wide Entrance Examination for B.S.
- ❑ Ranked first, Iran nationwide university entrance examination in Industrial Engineering, 1992.

PROFESSIONAL MEMBERSHIPS

- ❑ Production and Operations Management Society (POMS)
- ❑ American Production and Inventory Control Society (APICS)
- ❑ Decision Science Institution (DSI)
- ❑ Institute for Operations Research and Management Sciences (INFORMS)
- ❑ Institute of Industrial Engineers (IIE)

Ad Hoc Reviewer of:

- ❑ California Journal of Operations Management (Editorial Board)
- ❑ Computer & Industrial Engineering
- ❑ Environment Systems and Decisions
- ❑ International Journal of Production Research
- ❑ M.S. Program in Transportation & Engineering Management at the California Maritime Academy (Oct. 2010)
- ❑ M.S. Program in Engineering Management at the California State University, Northridge (Dec. 2011)