

Stanislaus Solomon, Ph.D.

Assistant Professor of Supply Chain Management
 College of Business Administration
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EDUCATION

Ph.D. in Business Administration (December 2015)

University of Missouri- St. Louis

Emphasis Area: Logistics & Supply Chain Management

Minor Area: Management Information Systems

Dissertation Title: Multi-period Stochastic Resource Planning: Addressing the Resource Planning Challenges at Hewlett Packard Enterprises.

- Funded by the *Hewlett Packard Research Labs*, Palo Alto, California.
- Runner-up at the 2016 Decision Sciences Institute's *Elwood S. Buffa Doctoral Dissertation Award*, Austin, Texas

Master of Science in Electrical Engineering (May 2007)

California State University, Sacramento, California

Bachelor of Science in Electronics & Communication Engineering (May 2004)

Madras University, Chennai, India

ACADEMIC POSITIONS

Tenure-Track Assistant Professor of Supply Chain Management, Management and Marketing Department, College of Business Administration, Sam Houston State University, Huntsville, TX (January 2015 – Present)

Visiting Assistant Professor (research collaboration), Center for Business and Industrial Studies, College of Business Administration, University of Missouri-St. Louis, St. Louis, MO (Summer 2016)

TEACHING INTERESTS

- Operations Management
- Logistics & Supply Chain Management
- International Business and Global Supply Chains
- Business Analytics (Business Statistics, Management Science & Discrete Event Simulation)
- Operations Research Methodologies (Math Programming, Stochastic Modeling & Heuristics)

MANUSCRIPT(S) UNDER REVIEW

Solomon, S., Li, H., Womer, K., and Santos, C., Multi-Period Stochastic Resource Planning in Professional Services Organizations *Decision Sciences* [Under 2nd Round Revision. First Round Review Decision: Revise and Resubmit].

INVENTION DISCLOSURE

Li, H., Santos, P., and Solomon, S., Two Stage Stochastic Programming Model for Resource Planning

-This invention is the result of multi-year funded research collaboration with Hewlett Packard Labs

PUBLICATIONS

Cassidy, C., Gravois, R., and Solomon, S. Outsourcing to China (2016): The Benefits and Consequences of Foxconn's Strategy, South East Case Research Journal

Riley, J., Ellegood, W., Solomon, S., and Baker, J. (2016) Differential Impact of Simulation Based Learning Tools in Online versus Face-to-Face Classroom Instruction, *Journal of International Education in Business*

Lacity, M., Solomon, S., Yan, A., and Willcocks, L. (2015) "Business Process Outsourcing studies: A - critical review and research". In: Willcocks, L., Sauer, C. and Lacity, M. (editors) (2015), *Research in Information Systems: Formulation and Enactment*, Palgrave, London

Yan, A., Solomon, S., Mirchandani, D., Porra, Y., and Lacity, M. (2013) The Role of Service Agent, Service Quality, and User Satisfaction in Self-Service Technology Usage. *Proceedings of the International Conference on Information Systems*

Lacity, M., and Willcocks, L., and Solomon, S. (2012) "Robust practices from two decades of ITO and BPO research". In: Lacity, Mary C. and Willcocks, Leslie P., (eds.) *Advanced outsourcing practice: rethinking ITO, BPO and cloud services. Technology, work and globalization*. Palgrave Macmillan, Basingstoke, UK.

Lacity, M., Solomon, S., Yan, A., and Willcocks, L. (2011) Business Process Outsourcing studies: A - critical review and research directions, *Journal of Information Technology*, Vol. 26, 4, pp. 221-259

MANUSCRIPTS IN PREPARATION

Ellegood, W., Solomon, S., North, J. and Campbell J., School Bus Routing and Scheduling: A Review of the Literature [Status: Final Revisions. Target: European Journal of Operations Research]

Solomon, S. and Li, H. Dynamic Assignment Problem in the Service Setting: A Simulation-Optimization Framework [Status: Final Revisions. Target: Annals of Operations Research]

Solomon, S., Riley, J., and Christie, E. Developing Robust Supplier Portfolios in the Retail Industry using a Multi-Stage Knapsack Model [Status: Working Paper. Target: International Journal of Business Analytics]

Ellegood W., Solomon, S., and Campbell J., Stochastic Load Times in School Bus Routing Problems [Status: Working Paper. Target: European Journal of Operations Research]

CONFERENCE PRESENTATIONS

Solomon, S., (November 2016) Multi-Period Stochastic Resource Planning: Models, Algorithms and Applications. Elwood S. Buffa Doctoral Dissertation Live Competition. *Annual Meeting of the Decision Sciences Institute*, Austin, Texas

Riley, J., Ellegood, W., Solomon, S., and Baker, J. (November 2016) Differential Impact of Simulation Based Learning Tools in Online versus Face-to-Face Classroom Instruction, *Annual Meeting of the Decision Sciences Institute*, Austin, Texas

Solomon, S., Li, H., Womer, K., and Santos, C. (November 2015) Dynamic Programming Approximations for Stochastic Resource Planning Under Partial Observation, *INFORMS 2015*, Philadelphia, Pennsylvania.

Solomon, S., Li, H., Womer, K., and Santos, C. (November 2014) An Approximate Dynamic Programming Approach to Stochastic Resource Planning, *INFORMS 2014*, San Francisco, California.

Solomon, S. and Li, H. (October 2013) Dynamic Assignment Problem in the Service Setting: A Simulation-Optimization Approach, *INFORMS 2013*, Minneapolis, Minnesota.

Yan, A., Solomon, S., Mirchandani, D., Porra, Y., and Lacity, M. (December 2013) The Role of Service Agent, Service Quality, and User Satisfaction in Self-Service Technology Usage. *International Conference on Information Systems*, Milan, Italy

Solomon, S. and Li, H. (April 2012) Resource Planning under Uncertainty, *University of Missouri Graduate School Research Fair*, St. Louis, Missouri

INVITED TALKS

Solomon, S., (July 2014) Introduction to Approximate Dynamic Programming, *Predictive Analytics Team, Monsanto Company*, St. Louis, Missouri.

Li, H. and **Solomon, S.** (October 2012) Multi-period Stochastic Resource Planning, *Hewlett-Packard Research Labs*, Palo Alto, California

Solomon, S., Li, H., Womer, K., and Santos, C. (May 2016) Multi-Period Stochastic Resource Planning: A Stylized Application. *Production and Operations Management Society Annual Conference*, Orlando, Florida (*invited presentation*).

AWARDED RESEARCH GRANTS

PI, “Heuristic Development for Stochastic Optimization Problems”, Sponsored by the College of Business Administration Summer Research Grant Program, Sam Houston State University, \$8,000, June 2017 to August 2017

Co-PI, “Applying a Business Consolidation Strategy to School Bus Routing”, Sponsored by the College of Business Administration Summer Research Grant Program, Sam Houston State University, \$8,000, June 2016 to August 2016

PI, “Large-Scale Dynamic Assignment Problems under Uncertainty”, Sponsored by the College of Business Administration Summer Research Grant Program, Sam Houston State University, \$8,000, June 2015 to August 2015

TEACHING EXPERIENCE

- Operations Management 3370 – Sam Houston State University
- Operations Management 3370 (**Online**) – Sam Houston State University
- Graduate Seminar in Operations Management (5315) – Sam Houston State University
- Supply Chain Management 4360 – Sam Houston State University
 - Self-developed as an “Academic Community Engagement (ACE)” course, where student teams gain real world experience by consulting with various local businesses regarding their supply chains and propose initiatives to improve them. This resulted in student teams consulting with over 30 local businesses over the past 2 academic years.
- Logistics & Operations Management 3320 –University of Missouri-St. Louis

PROFESSIONAL SERVICE

Master Syllabus Coordinator, Responsible for developing the Master Syllabus for Supply Chain Management at both undergraduate and graduate level

Faculty Advisor, Center for Innovation and Technology Cooperative Organization, College of Business Administration, Sam Houston State University (August 2015 – July 2016)

- Advise and mentor students to lead the organization
- Promote organization among business students
- Organize and facilitate activities and events to engage students

Article Editor, “Sage Open” Journal (June 2016 – Present)

- Manage the editorial review process for submitted manuscripts
- Perform desk review, assign reviewers and make final decisions on manuscripts

Editorial Board Member, International Journal of Business Research and Management (February 2016 – Present)

- Recruit editors and reviewers for the journal
- Lead efforts to promote & market the journal internationally
- Help the editorial office with administration duties
- Manage the editorial review process for submitted manuscripts

Committee Member, Critical Thinking Assessment Committee, College of Business Administration, Sam Houston State University (August 2015 – May 2016)

Committee Member, International Advisory Committee, Sam Houston State University (August 2016 – Present)

Reviewer, International Journal of Management Science

INDUSTRY CONSULTING EXPERIENCE & CERTIFICATIONS

Research Consultant, Hewlett-Packard Labs, Palo Alto, CA. “Stochastic resource planning: Workforce Optimization”, 2011 - Present

Research Consultant, Devott Inc, Tianjin, China, “Methodology to Improve Chinese Outsourcing Vendor Selection Process”, May 2016 - Present

Research Consultant, Monsanto Company, St. Louis, MO. “Methods to Optimize Donor Selection For Biotech Breeding Processes”, June 2014 to December 2014

SAP ERPsim Level 1 Certification

- This certification enables me to teach SAP business processes (specifically manufacturing, logistics and distribution processes) in a classroom using simulation games.

ACKNOWLEDGED RESEARCH CONTRIBUTION

Research Assistance for “Knowledge Management: Systems and Processes,” by I. Becerra-Fernandez, and R. Sabherwal, M.E. Sharpe, 2009.

Research Assistance for “Business Intelligence: Practices, Technologies & Management,” by R. Sabherwal and I. Becerra-Fernandez, John Wiley, 2009.

RESEARCH TOOLS

- Statistics: SAS, SPSS, LISREL
- Predictive Analytics: R
- Optimization: IBM CPLEX, IBM ILOG Studio, Microsoft Excel Solver & OptQuest
- Simulation-Optimization: Oracle Crystal Ball
- Discrete Event Simulation: Arena

AWARDS

- Performance based bonus award, College of Business, University of Missouri – St. Louis (2008 – 2014)
- Graduate school doctoral recruitment fellowship, University of Missouri – St. Louis (2008 – 2014)