

Andreas Thorsen

Curriculum Vitae

Montana State University
Jake Jabs College of Business and Entrepreneurship
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Email: andreas.thorsen@montana.edu

ACADEMIC POSITION

2014 – present Assistant Professor of Management, Montana State University

EDUCATION

Dual Ph.D. in Industrial Engineering and Operations Research, The Pennsylvania State University (2014)

B.S. in Industrial Engineering, The Pennsylvania State University (2005)

RESEARCH ACTIVITIES

PEER-REVIEWED JOURNAL PUBLICATIONS

Thorsen, A., & McGarvey, R. (2017). [Efficient Frontiers in a Frontier State: Viability of Mobile Dentistry Services in Rural Areas](#), *European Journal of Operational Research*, DOI 10.1016/j.ejor.2017.07.062.

Thorsen, A. & Yao, T. (2015). [Robust Inventory Control under Demand and Lead Time Uncertainty](#), *Annals of Operations Research*, DOI 10.1007/s10479-015-2084-1.

Chung, B., Yao, T., Xie, C. & Thorsen, A. (2011). [Robust Optimization Model for a Dynamic Network Design Problem Under Demand Uncertainty](#), *Networks and Spatial Economics*, 11(2): 371-389.

PEER-REVIEWED BOOKS

Riposo, J., Weichenberg, G., Duran, C., Fox, B., Shelton, W. & Thorsen, A. (2013) [Improving Air Force Enterprise Resource Planning-Enabled Business Transformation](#), RR-250-AF, RAND Corporation, Santa Monica, CA.

REFEREED CONFERENCE PROCEEDINGS

Thorsen, A., Liu, H. & Yao, T. (2013) Robust Inventory Control under Lead Time Uncertainty. *Proceedings of the 2013 Industrial and Systems Engineering Research Conference. (Winner of Best Paper Award for Supply Chain and Logistics Track)*

MANUSCRIPTS UNDER REVIEW AT PEER-REVIEWED JOURNALS

McGarvey, R., **Thorsen**, A., Thorsen, M.L., Reddy, R. "Measuring Efficiency of US Community Health Centers: A Multi-stage, Multi-model Approach" Submitted to *European Journal of Operational Research*.

Gamble, E., Black, L., & **Thorsen**, A. "Nonprofit Management Controls: Shaping Espoused Boundaries and Strategic Tradeoffs" Submitted to *Nonprofit and Voluntary Sector Quarterly*.

SELECTED MANUSCRIPTS IN PROGRESS

Thorsen, M.L. **Thorsen**, A., Reddy, R., McGarvey, R. "Addressing Health Disparities at U.S. Community Health Centers: A Focus on Pregnancy-Related Outcomes" Preparing to submit to *Population Research and Policy Review*.

Thorsen, A., Chung, B.D. "Modeling Inventory Control Under Demand and Lead Time Uncertainty" Manuscript in progress.

Thorsen, A. Thorsen, M.L. "Montana Rural Health Network Design" Data collection in progress.

GRANTS AND AWARDS

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| 2017-2018 | Center for American Indian and Rural Health Equity pilot project grant (with M.L. Thorsen), <i>Multi-Criteria Evaluation of Efficiency, Access, and Outcomes at Health Centers</i> (\$73,215) |
| 2016 | Summer Research Group Grant, MSU Jake Jobs College of Business & Entrepreneurship (\$1500) |
| 2015 | Curriculum Innovation Grant, MSU Jake Jobs College of Business & Entrepreneurship (\$2000) |
| 2013 | Supply Chain and Logistics Track Best Paper Award for the paper: "Robust Inventory Control under Lead Time Uncertainty" (with Liu, H., & Yao, T.) at Industrial and Systems Engineering Research Conference (ISERC) 2013. |
| 2012 | Harold F. Martin Graduate Assistant Outstanding Teaching Award Nominee, Penn State University |
| 2011 | Outstanding TA of the Year Award, Penn State Industrial Engineering department |
| 2011-2014 | Academic Computing Fellowship, Penn State University - Full tuition and stipend, and \$2,000 grant for activities such as travel to national conferences |
| 2009 | McConaughy Program Fund for Excellence Scholarship (\$1000) funding an educational trip to Tokyo, Japan. |
| 2008-2011 | Teaching Assistantship, Penn State University - Full tuition and stipend |

CONFERENCE AND INVITED PRESENTATIONS (Presenter denoted by asterisk)

- Thorsen***, A. "Topics in project management." Invited presentation, Montana Small Business Development Center quarterly meeting. August 9, 2017.
- Thorsen***, A., Thorsen, M.L., Mahdi Reddy, R., & McGarvey, R. "Addressing Health Disparities at U.S. Community Health Centers: A Focus on Pregnancy-related Health Outcomes" Invited research presentation, INFORMS Annual Meeting. October 22-25, 2017. Houston, TX.
- Thorsen***, A., McGarvey, R., Madhi Reddy, R. & Thorsen, M.L. "Multi-Criteria Evaluation of Systematic Issues at US Health Centers" Accepted research presentation, Industrial & Systems Engineering Research Conference. May 20-23, 2017. Pittsburgh, PA.
- Thorsen**, A. & McGarvey*, R. "Mobile dentistry network design: Improving dental care access for under-served populations in rural regions" Invited research presentation, INFORMS Annual Meeting. November 13-16, 2016. Nashville, TN.
- Thorsen***, A. "Inventory Control under Demand and Lead Time Uncertainty: An Adaptive Robust Optimization Approach", Invited research presentation, 28th European Conference on Operational Research. July 6, 2016. Poznań, Poland.
- Gamble*, E., **Thorsen**, A. & Black, L. "Not-for-profit control systems: Utilizing Simons' levers of control framework to understand strategic boundary system trade-offs," Accepted paper presentation, American Accounting Association Western Region Meeting. May 7, 2016. Seattle, WA.
- Gamble, E., **Thorsen***, A. & Black, L. "Utilizing Control Levers to Understand and Improve Recruitment and Retention at a Not-For-Profit", Invited research presentation, INFORMS Annual Meeting. November 2, 2015. Philadelphia, PA.
- Thorsen***, A., Liu, H. & Yao, T. "Robust Inventory Control under Lead Time Uncertainty", Accepted paper presentation, Industrial & Systems Engineering Research Conference. May 18, 2013. San Juan, Puerto Rico.
- Thorsen***, A., Liu, H. & Yao, T. "Robust Inventory Control under Lead Time Uncertainty", Doctoral Colloquium poster presentation, Industrial & Systems Engineering Research Conference. May 18, 2013. San Juan, Puerto Rico.
- Thorsen***, A. & Yao, T. "Robust Optimization Model for Military Airlift under Demand Uncertainty", Accepted research presentation, INFORMS Annual Meeting. October 13, 2012. Phoenix, AZ.
- Thorsen***, A. & Yao, T. "Robust Military Airlift Asset Allocation", Accepted research presentation, Industrial & Systems Engineering Research Conference. May 22, 2012. Orlando, FL.
- Thorsen***, A., Zhang, B. & Yao, T. "Bi-Level Evacuation Transportation Model", Accepted research presentation, INFORMS Annual Meeting. November 15, 2011. Charlotte, NC.

Thorsen*, A., Yao, T., Weaver, R. & DeFlicht, C. "Service Product Platform and Incentive Modeling for Complex Health Care Systems", Accepted poster presentation, Center for Integrated Health Delivery Systems Workshop. March 28, 2011. State College, PA.

Ben-Tal, A., Chung, B.D., Yao, T. & **Thorsen***, A. "Emergency Evacuation Transportation Planning under Uncertainty: A Robust Optimization Approach", Accepted poster presentation, 2010 Conference on Health and Humanitarian Logistics. March 4, 2010. Atlanta, GA.

Thorsen*, A. "Robust Optimization: A Review of Methodologies and Applications", Invited research presentation, Aoyama Gaukin University. September 16, 2009. Tokyo, Japan.

TEACHING

COURSES TAUGHT

Montana State University

Operations Management (BMGT 322)

Supply Chain Analytics (BMGT 405)

Managing Quality and Productivity (BMGT 433)

Pennsylvania State University

Instructor: Probabilistic Models in Industrial Engineering (IE 322)

Teaching Assistant: Manufacturing Processes and Product Design (IE 312)

CURRICULUM DEVELOPMENT

Supply Chain Analytics, BMGT 405: Developed (with David Claudio, Assistant Professor of Industrial Management and Systems Engineering) a multidisciplinary course proposed in 2014-15. At first offering in Fall 2015, the course counted as an elective in Management, Marketing, Finance, Entrepreneurship and Small Business Management, Masters of Professional Accountancy (MPAc), and as a cognate elective in IMSE. Serves students from the following degree programs: Management (BS), Finance (BS), Marketing (BS), Accounting (BS, MPAc), Industrial Engineering (BS, MS), Financial Engineering (BS), Statistics (MS).

SERVICE AND PROFESSIONAL ACTIVITIES

SERVICE TO COLLEGE (MSU – Jake Jobs College of Business & Entrepreneurship)

Search Committee Member, Two Academic Advisors, Office of Student Services (2016)

Non-Tenure Track Faculty Mentor for Brian England
Volunteer, Executive's Closet (September 2014)

SERVICE TO UNIVERSITY

Montana State University

Member, Research Council (2016-present)

Member, Research Capacity Team (2016-present)

Member, Honorary Doctorate Committee (2015-present)

Member, Doctoral Committee, Valentina Niño, PhD student in Industrial and Management Systems Engineering (2016-present)

Member, Scoreboard Crew, Men's and Women's Basketball (2015-present)

Member, Scoreboard Crew, Football (2015)

Volunteer, Admissions Faculty Phonathon (February 2015)

Graduate Representative – In Progress:

Maximiliano J. Amenabar Barriuso, Microbiology (Eric Boyd, Chair)

Committee Member – In Progress:

Sean Harris, Ph.D., Industrial and Management Systems Engineering (David Claudio, Chair)

Valentina Niño, Ph.D., Industrial and Management Systems Engineering (David Claudio, Chair)

University of Missouri

Committee Member – In Progress:

Rohith Mahdi Reddy, M.S., Industrial & Manufacturing Systems Engineering (Ronald G. McGarvey, Chair)

SERVICE TO ACADEMY

Vice President of Communications, Public Sector OR (PSOR), INFORMS Subdivision (2017)

Textbook reviewer: *Operations Management: Managing Global Supply Chains*, 1st Edition, by Ray R. Venkataraman and Jeffrey K. Pinto

Mentor, Penn State Industrial and Manufacturing Engineering Society (2016-2017)

Scientific Committee Member, The 18th International Conference on Industrial Engineering, Seoul, Korea (2016)

Invited Reviewer, ISERC Supply Chain and Logistics Best Paper Competition (2015, 2017)

Resumé Reviewer, INFORMS Annual Meeting (2015)

Session Chair, INFORMS Annual Meeting (2012)

Ad Hoc Reviewer

OMEGA: The International Journal of Management Science; Transportation Research Part C: Emerging Technologies; Engineering Management Journal; Sustainability

INDUSTRY POSITIONS HELD

2012 **Summer Associate**, RAND Corporation (Washington, DC)

2011 **Summer Associate**, RAND Corporation (Pittsburgh, PA)

2007-2008 **Process Engineer**, Sherwin-Williams Company (Columbus, OH)

2005-2007 **Production Supervisor**, Sherwin-Williams Company (Columbus, OH)

PROFESSIONAL MEMBERSHIPS

Institute for Operations Research and the Management Sciences (INFORMS)

Institute of Industrial & Systems Engineers (IISE)