

THOMAS ALLEN LACKSONEN

Dept. of Engineering and Technology
University of Wisconsin-Stout
Menomonie, WI 54751, USA
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EDUCATION:

Ph.D. Industrial and Management Systems Engineering
Minor in Operations Research
The Pennsylvania State University, Aug 1991

M.S. Industrial Engineering
University of South Florida, Dec 1983

B. S. Industrial Engineering
University of Toledo, June 1981

EMPLOYMENT HISTORY:

Engineering and Technology department, University of Wisconsin-Stout
Chair, 2017-present

Operations and Management department, Univ. Wisconsin-Stout, Menomonie, WI
Professor, 2005 –present

Associate Professor, 1999-2005

Assistant Professor, 1997-1999

Schneider Endowed Professorship, 2015-2017

- Program Director, M. S. Sustainable Management, 2015

- Program Director, M. S. Technology Management, 2000-2010

Developed program strategic plan with support from advisory board

Updated program mission, vision, objectives, curriculum

Implemented interactive TV, web conferencing distance ed. technologies

Developed recruitment plan which led to doubling of program size

Advised industry-sponsored field problems

-Developed courses in Lean Manufacturing Systems, Project Management, Global
Technology Management, Innovation Management

- Taught classes including:

Project Management

Lean Manufacturing Systems

Facilities and Material Handling Systems Planning

Decision Modeling

Quality Management

Advanced Systems Simulation

Production/Operations Management

Engineering Economy

Innovation Management.

- Developed global facilities design project jointly with Turkish universities
- Developed study abroad course for engineering and technology students
 - sites visited: Germany, Turkey, China, Hong Kong
- Developed on-line and web-enhanced Engineering Economy courses
- Curriculum and Instruction Committee, chair

Industrial Engineering, Middle East Technical Univ, Visiting Professor, 2003-04, 2011-12

- Fulbright Fellowship to Turkey, United States State Department, 2011-2012
- Taught Facilities Design, Work Study, Engr. Economy, Lean Strategy Seminar
- Supervised one master's thesis, three master's projects
- Evaluated Summer Project and Senior Capstone team projects

Industrial Engineering, Ohio University, Assistant Professor, 1991-1997

- Program Director, M. S. Industrial Engineering
- Taught 12 required and elective courses

Industrial Engineer, Eastman Kodak Co., Rochester, NY, 1984-1988

- Project management assistant, new product development teams
- Lean manufacturing implementation – layout, cells, inventory reduction

Industrial Engineer, Whirlpool Corp., Clyde, OH, 1981-1982

RESEARCH AND CONSULTING INTERESTS:

National culture impact on global lean manufacturing implementations
 Facilities, warehouse and logistics system design, including humanitarian logistics
 Simulation games for lean manufacturing and supply chain training and education

RECENT CONSULTING AND RESEARCH:

Micro-hydro Generator Design and Casting Facility Installation, Magnetic Power, Malawi, 2017.
 Facility Design and Evaluation, Fashion Week, 2015.
 Design for Manufacturability and Quality, Joy Design Enterprise, Ireland and India, 2014.
 Cultural Impacts on Lean Manufacturing, IBM and NSF, 2011, not funded.
 Lean Manufacturing and Layout Design, Kifas Ortopedik, Ankara, 2007-12.
 Buzz Simulation of Lean Training, NWMOC, 2009.
 Microclinics, Medical clinic and stock center location analysis for Ghana, 2009.
 Hope4TheCity and Feed My People, Warehouse design and volunteer processes, 2009.
 Dynamic Engineering Economy Problem Generator, Oxford U, Press, 2008, 2014.
 Warehouse Software Selection, Mission Aviation Fellowship, 2003.
 Warehouse Re-design, Nestles', 2002.
 Global Facilities Design Project Development, CIBER, UW-System, 2002.
 Maintenance Inventory Control Warehouse, Swiss Miss, Con-Agra Foods, 1998.
 Statistical Decision Analysis, NASA, 1994.

REFEREED JOURNAL ARTICLES:

Lacksonen, T., Dingle, B. (2017) "Teaching Strategic Lean Thinking through Simulation Gaming." *On-line Journal of Engineering Education.*, Vol. 9(2) (on-line).

Güler, Ç, Chousein, A., Sitti, K., Solmaz, E., Başak, O., Meral, S., Lacksonen, T. (2004) "Gıda Sektöründe Bir Firma için Tedarik Zinciri Ağı Tasarımı ve Arac Rotalama" ("Design of a Supply Chain Network and Vehicle Routing for a Company in the Food Sector"), *Endüstri Muhendisliği (Industrial Engineering)*. Vol. 40 (4) pp. 19-31

Lacksonen, Thomas. (2004) "Optimal Scope of Work for International Integrated Systems," in *Progress in Material Handling Research: 2004*, Charlotte, NC: Material Handling Institute, pp. 189-208.

Lacksonen, Thomas. (2002) "Global Material Handling Systems Design," in *Progress in Material Handling Research: 2002*, Charlotte, NC: Material Handling Institute, pp.249-265.

Lacksonen, T., and Anussornnitisarn, P., (2001) "Empirical Comparison of Search Algorithms for Discrete Event Simulation," *Computers and Industrial Engr.*, Vol. 40 (1-2), 133-148.

Lacksonen, T., and Hung, C. Y., (1998) "Project Scheduling Algorithms for Re-layout Projects," *IIE Transactions*, Vol. 30 (1), 91-99.

Lacksonen, T., (1997) "Preprocessing for Static and Dynamic Facility Layout Problems," *International Journal of Production Research*, Vol. 35 (4), 1095-1106.

Gore, R., Fleming, R., and Lightner, D. (advisor T. Lacksonen), (1996) "An Automated Aviation Class Scheduling Program," *Journal of Industrial Engineering Design*, Vol. 1 (2) 16-17.

Klein, P., and Lacksonen, T., (1996) "Writing Across the Curriculum: Memos," *Journal of Industrial Technology*, Vol. 12 (4), 49-51.

Lacksonen, T., (1994) "Static and Dynamic Layout Problems with Varying Areas," *Journal of the Operational Research Society*, Vol. 45 (1) 59-69.

Lacksonen, T. and Ensore, E., (1993) "Quadratic Assignment Algorithms for the Dynamic Layout Problem," *Intl. Journ. of Production Research*, Vol 31 (3) 503-517.

Lacksonen, T. and Harmonosky, C., (1991) "Evaluation of Different Simulation Approaches for Modeling a Custom Build Assembly Line," *Computers & Industrial Engineering*, Vol 20 (3), 335-342.

BOOK CONTRIBUTOR:

Lacksonen, T., “DEEP Problem Generators,” CD supplements to *Engineering Economic Analysis*, 11th ed., 2014, 2009, 2001, Oxford U. Press.

CONFERENCE PRESENTATIONS:

Dr. Lacksonen has presented over 30 presentations at regional, national, and international locations. Recent and pertinent presentations are listed below.

DeGruson, M., Lacksonen, T., Handrow, D. (2019) “Co-developing and Co-teaching with Industrial Professionals for Medical Device Packaging,” *Polytechnic Summit*, Menomonie, WI.

Lacksonen, T., Berg, D., Springer, S. (2017) “Global Engineering Projects from the Young African Leaders Initiative.” *American Society of Engineering Education National Conference*, Columbus, OH.

Lacksonen, T. (2014) “Innovation Management Course in a Polytechnic Environment.” *American Society of Engineering Education North Central Regional Conference*, Iowa City, IA.

Lacksonen, T., Finder, B. (2012) “Risk Management in the United States and Turkey.” Fulbright Fellowship presentations at Middle East Technical University and Bursa Chamber of Commerce, Turkey.

Lacksonen, T., Rathinam, B., Pakdil, F., and Gülel, D. (2010) “Cultural Issues in Implementing Lean Production.” *Industrial Engineering Research Conference*, Cancun, Mexico. Updated and presented as Fulbright Fellowship presentations at Middle East Technical University, Izmir Ekonomi University and Türk Traktor Corporation (2012).

Lacksonen, T. and Dengiz, B. (2008) “A Global Facilities Design Project.” *Frontiers in Education*, Saratoga Springs, NY.

THESES AND FIELD PROBLEMS SUPERVISED:

Dr. Lacksonen supervised 10 Master of Science theses and served on over 15 committees for universities at home and internationally. At the University of Wisconsin-Stout, Dr. Lacksonen has supervised over 15 Field Problems.

ORGANIZATIONS:

Institute of Industrial Engineers (IIE)

Reviewer for several conference and journal publications

American Society for Engineering Education (ASEE)

College-Industry Council on Material Handling Education (CIC-MHE)

Professional Engineer, licensed in Ohio, since 1992