

PROMOTION RECOMMENDATION
The University of Michigan-Dearborn
College of Business
Department of Management Studies

Zhixin Liu, assistant professor of decision sciences, Department of Management Studies, College of Business, is recommended for promotion to associate professor of decision sciences, with tenure, Department of Management Studies, College of Business.

Academic Degrees:

Ph.D.	2007	Ohio State University, Columbus, OH
M.S.	2002	Tsinghua University, Beijing, China
B.S.	1999	Nankai University, Tianjin, China

Professional Record:

2007 – Present Assistant Professor of Decision Sciences, Department of Management Studies, University of Michigan-Dearborn

Summary of Evaluation:

Teaching: Professor Liu is rated significantly capable in teaching. He teaches the classes in basic and advanced statistics which are forming the basis of our BSBA, MBA, and MSBA degrees. He continues to introduce new methods, textbooks, and software to give the students the exposure to tools to solve contemporary statistical and analytic problems. He attends teaching conferences regularly and brings back techniques to further refine his teaching. He is often rated among the top instructors in the department. Professor Liu has taught at both the undergraduate and graduate levels, in the classroom and online. He also regularly teaches in our Hong Kong graduate program in finance.

Research: Professor Liu is rated excellent in his research. He has ten papers published in print or forthcoming in various academic journals and his work is of the highest caliber. He has published four papers in the top journals in operations research: *Production and Operations Management*, *Naval Research Logistics*, *Operations Research*, and *IIE Transactions*. He has proven equally adept in publishing solo work, work with colleagues at other universities, and work with his dissertation committee members.

Recent and Significant Publications:

Liu, Z., Lu, L., Qi, X., Simultaneous and sequential price quotation for uncertain order inquiries with production scheduling cost, *IIE Transactions*, vol. 44, no. 10, 2012, pp. 820-833.

Liu, Z., Equilibrium analysis of capacity allocation with demand competition, *Naval Research Logistics*, vol. 59, no. 3-4, 2012, pp. 254-265.

Hall, N.G., Liu, Z., On auction protocols for decentralized scheduling, *Games and Economic Behavior*, vol. 72, no. 2, 2011, pp. 583-585.

Hall, N.G., Liu, Z., Capacity allocation and scheduling in supply chains, *Operations Research*, vol. 58, no. 6, 2010, pp. 1711-1725.

Liu, Z., Single machine scheduling to minimize maximum lateness subject to release dates and precedence constraints, *Computers & Operations Research*, vol. 37, no. 9, 2010, pp. 1537-1543.

Service: Professor Liu is rated significantly capable in his service. He provides assistance to the department, college, and university through the many committees on which he serves. His service excels when one looks at his service to his discipline. He works with many conferences, journals, and professional societies to help advance and nurture the field.

External Reviewers:

Reviewer A: "Dr. Liu has an excellent research record, which in my opinion meets the requirement for promotion and tenure at a top research school in the United States."

Reviewer B: "Professor Liu is a rising star scholar in the areas of production/operations scheduling, capacity planning models, pricing theory, and inventory management, and is well known and well respected in the academic community."

Reviewer C: "The quality of Dr. Liu's research publication is very high...many of his research topics are highly innovative."

Reviewer D: "In addition, Zhixin has worked on other important operations problems including rescheduling and integration of price quotation and scheduling. He uses a wide variety of tools including game theory, scheduling theory, and optimization methods such as dynamic programming."

Reviewer E: "Overall, Dr. Liu's research does a nice job of bringing in operational elements to economic models. His other work also looks at cooperative game theory models in the context of operations problems. The work taken as a whole displays a very good focus on a set of issues that are important. I think his research is very interesting and relevant."

Summary of Recommendation:

Professor Liu is an outstanding colleague and an asset to the department, college, and university. We are very pleased to recommend, with strong support of the College of Business Executive Committee, Zhixin Liu for promotion to associate professor of decision sciences, with tenure, Department of Management Studies, College of Business.



N. Balakrishnan
Dean
College of Business



Daniel Little
Chancellor
University of Michigan-Dearborn

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