

PROMOTION RECOMMENDATION  
The University of Michigan-Dearborn  
College of Engineering and Computer Science  
Department of Industrial and Manufacturing Systems Engineering

Charu Chandra, associate professor of industrial and manufacturing systems engineering, with tenure, Department of Industrial and Manufacturing Systems Engineering, College of Engineering and Computer Science, is recommended for promotion to professor of industrial and manufacturing systems engineering, with tenure, Department of Industrial and Manufacturing Systems Engineering, College of Engineering and Computer Science.

Academic Degrees

Ph.D. 1994	Industrial Engineering, Arizona State University
M.S. 1992	University of Minnesota
M.B.A. 1983	Mankato State University, Minnesota
B.A. 1975	Delhi University, India

Professional Record

2003 - present	Associate Professor, University of Michigan-Dearborn
2007	Visiting Associate Professor, University of Florida, Gainesville, FL
2005	Visiting Associate Professor, Purdue University, West Lafayette, IN
1999 - 2003	Assistant Professor, University of Michigan-Dearborn
1998	Visiting Assistant Professor, University of Michigan-Dearborn
1994 – 1995	Adjunct Assistant Professor, Metropolitan State University, Minneapolis, MN
1993 - 1994	Lecturer, Industrial and Management Systems Engineering Department, Arizona State University, Tempe, AZ

Summary of Evaluation:

Teaching: Professor Chandra's teaching is rated significantly capable. He assisted in the proposal development phase of the graduate program in Information Systems and Technology and in the development of several new graduate courses for the program. Professor Chandra's course materials are always up-to-date and easily available on the web through the use of the Virtual Learning Tool. He is always willing to assist his students outside the classroom even with his heavy research load. Students comment that he is a great professor and willing to help them at all times. He has been research advisor to six graduate students and has involved undergraduate students in his research activities. During 2006-2007, his composite student evaluation rating was 3.42 (out of 4.0), and he was ranked eighth among thirteen faculty members in the department. During 2007-2008, this rating was 3.16 and his ranking was tenth among fourteen faculty members.

Research: Professor Chandra's research is rated excellent. His primary research area is information systems and supply chain management. Since his promotion to associate professor, Professor Chandra has co-authored three books, published 19 papers in refereed journals, has 9 chapters in edited books, and 17 papers in refereed conference proceedings. This is an outstanding record considering that most of the journal publications are in middle to upper tier journals. He is presently editing another book on mass customization. He has received external

funding of over \$275,000 for sponsored research, as principal or co-principal investigator. Professor Chandra has research collaboration with a number of institutions in Europe, Russia, and Mexico.

#### Recent and Significant Publications:

- Chandra, C., and Grabis, J., "A Goal Model Driven Supply Chain Design," *International Journal of Data Analysis Techniques and Strategies* (accepted 9/2008).
- Chandra, C., "The case for health care supply chain management: Insights from problem-solving approaches," *International Journal of Procurement Management*, Vol. 1, No. 3, pp. 261-279, 2008.
- Chandra, C., and Grabis, J., "Inventory Management with Variable Lead Time Dependent Procurement Cost," *Omega, The International Journal of Management Science*, Vol. 36, pp. 877-887, 2008.
- Li, X., and Chandra, C., "Toward a Secure Supply Chain: A System's Perspective," *Human Systems Management Journal*, Vol. 27, No. 1, pp. 73-86, 2008.
- Chandra, C., and Grabis, J., "Information Technology Support for Integrated Supply Chain Modeling," *Human Systems Management Journal*, Vol. 37, No. 1, pp. 3-13, 2008.
- Chandra, C., and Grabis, J., *Supply Chain Configuration: Concepts, Solutions, and Applications*, New York, Springer Science, 2007, 342 pages.
- Kumar, S., Chandra, C., and Seppanen, M. S., "Demonstrating Supply Chain Parameter Optimization through Beer Game Simulation," *Information Knowledge Systems Management Journal*, Vol. 6, No. 4, pp. 291-322, 2007.

Service: Professor Chandra's service is rated excellent. He is always willing to volunteer and assist in departmental activities. He works on his service assignments diligently and completes the tasks on time. He has served commendably on various committees at the campus level and college level, including Faculty Senate, Committee on the Salary and Equity for the Faculty, and the Campus Information Technology Committee. He has also served on the CECS Computer Committee, Graduate Committee for the M.S. degree program in Information Systems and Technology, and on the CECS Executive Committee. He is currently editor or co-editor of several journals and has served as reviewer, session chair, and track coordinator for various conferences sponsored by professional organizations.

#### External Reviewers:

Reviewer A: "Professor Chandra's research contribution is primarily in the broad area of Supply Chain Management with papers spanning from information and knowledge models representing system requirements to smooth the process flow and quantitative models to determine appropriate inventory system settings including order quantities and lead time. He has been prolific in terms of publishing a significant amount of papers in this area and securing funding to support his research... In summary, I fully support Professor Chandra's promotion to Full Professor."

Reviewer B: "Professor Chandra has a very strong research record – one that I believe would be highly valued by almost any Industrial Engineering department in the nation..... He has 43 journal articles in well-respected international Industrial Engineering journals. The papers are of high quality and they have led to his reputation as an international expert in the use of information in managing modern industrial supply chains..... In terms of reputation, Professor

Chandra is a respected leader of the supply chain information management community. In conclusion, I point out that Professor Chandra has a scholarly record that would certainly merit promotion to Full Professor at [my institution].”

Reviewer C: “I am quite impressed with the quantity and quality publications by Dr. Chandra. I am quite familiar with the journals in which he has published and most of them are rated as top-tier journals in their respective field. I have noticed a good number of citations to his articles which indicates the impact of research both in theory and practice....I reviewed three of his publications ... and I found them quite comprehensive in terms of concepts, research methodology employed and the findings. I would rate these three papers outstanding in their respective fields.”

Reviewer D: “Dr. Chandra has published extensively. He has forty three papers published or accepted in variety of refereed journals. Some of these papers have appeared in journals that are considered of high quality. ... His area of research is focused on Supply Chain Management which is an important field. Three of his recent publications sent to me are important contributions to his field. These papers are not only academically rigorous but also address the issues that are important to business community.”

Reviewer E: “Dr. Chandra has an impressive list of publications, many of them is very highly regarded journals. Three books in his primary research area add credibility to his scholarship. His focus on his primary research areas is seen in his publication list; this focus is timely and well executed on his part. His success in research is ... an endorsement of the impact of his scholarship. I believe Dr. Chandra is a valuable faculty member with excellent promise for the future, based on his performance and achievement to this point.”

Reviewer F: “...I most value his efforts to extend his thought across boundaries into business, human systems and knowledge management. His work on problem ontology for supply chains is very useful and quite fundamental. In relation to others in his peer group... the depth and breadth of his research and publications would put him among the most active and influential among researchers.”

#### Summary of Recommendation:

Professor Chandra has demonstrated excellence in the areas of research and service and significant capability in the area of teaching. He has been the key person for the graduate program in Information Systems and Technology. We are pleased to recommend, with strong support of the College of Engineering and Computer Science Executive Committee, Charu Chandra for promotion to professor of industrial and manufacturing systems engineering, with tenure, Department of Industrial and Manufacturing Systems Engineering, College of Engineering and Computer Science.



Subrata Sengupta  
Dean  
College of Engineering and Computer Science



Daniel Little  
Chancellor  
University of Michigan-Dearborn

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