

SEMINAR SERIES
Department of Quantitative Analysis and Operations Management
College of Business, University of Cincinnati

How I Spent my Sabbatical or some Problems in Healthcare Operations
(Applications in Healthcare Management Sciences)

Dr. Michael Magazine
Professor and Ohio Eminent Scholar
College of Business, Univ. of Cincinnati

Friday, March 30, 2007
1:30 p.m.
214 Lindner Hall

I spent this past year on two high level teams at Cincinnati Children's Hospital Medical Center (CCHMC) that are concerned with improving efficiency in hospital operations. One team concentrates on improving flow throughout the hospital; the other is concerned with lean operations. The number of opportunities in the hospital is incredible. I will describe two problems in more detail, one from each team and the progress to date on these ongoing problems. One problem deals with efficiently getting the right material to the right place at the right time and has supply chain implications. The other problem deals with minimizing the time patients spend in perioperative care in the hospital. In both cases, the solution proceeds by identifying aims or goals, finding appropriate metrics, determining basecase results, performing analysis, suggesting change through a pilot and once again looking at results. We are a long way from solving these problems and the optimization is a pipedream.

Michael J. Magazine is Professor and Ohio Eminent Scholar of Quantitative Analysis and Operations Management. After completing his PhD at the University of Florida in Industrial and Systems Engineering, he taught at North Carolina State University and at the University of Waterloo. In addition, he has had visiting appointments at PUC in Brazil, INRIA in France and Georgia Tech, MIT, and the University of Michigan. He is a Professional Engineer.

His research interests include scheduling, supply chain management and other applications of manufacturing and health systems. He has worked on the design and analysis of heuristics and applications in the production and manufacturing area and has been the holder or coholder of several research grants in this area. He has published over fifty papers in these areas. He is co-editor of Quantitative Models for Supply Chain Management.

Dr. Magazine has served on the editorial boards of several journals and was the Area Editor of Operations Research for Manufacturing, Operations and Scheduling. He has been on the ORSA, TIMS and INFORMS Boards and was VP-International for INFORMS. In addition, Professor Magazine has been President of the INFORMS Section on Manufacturing and Service Operations Management. He is an INFORMS Fellow.

Most recently Dr. Magazine served as the Associate Dean of the Faculty and Research and Interim Dean in the College of Business at UC. He subsequently was on leave at Cincinnati Children's Hospital and Medical Center and TechSolve.

For more on the QAOM seminar series contact Uday Rao (uday.rao@uc.edu).
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