

VORträge zum Operations Research

Kolloquium des Instituts für Operations Research

Zeit: Dienstag, 15. Dezember 2009, 17:30 Uhr

Ort: Raum 214, Gebäude 11.40

Es spricht: Prof. Erwin Hans, PhD, MSc, Associate Professor Operations Management and Process Optimization in Healthcare, University of Twente, Center for Healthcare Operations Improvement & Research (CHOIR)

Zum Thema: **OR in the OR (operations research in the operating room)**

Abstract: With a background in manufacturing planning and scheduling, since 2003 I have ventured in the world of process optimization in hospitals. During these years I have involved other departments within our university, particularly from the faculty of Applied Mathematics, and set up collaborations with more than a dozen hospitals throughout the Netherlands.

In 2007 together we founded the Center for Healthcare Operations Improvement & Research (CHOIR: www.choir.utwente.nl). Currently, 7 PhD students each collaborate with one healthcare organization in order to take on research questions that stem from actual practice, approach these using OR/OM techniques, and implement the outcomes in practice.

The research has taken a lot of momentum, and also in teaching it now plays an important role: we have the only Netherlands' Industrial Engineering master program in healthcare management and logistics.

In this presentation I will give a very brief outline of the research topics we focus on within CHOIR. Primarily, my talk will focus on operating room planning and scheduling - many aspects of this topic we have studied in collaboration with several (mostly academic) hospitals. I will discuss the problems and solution techniques for tactical and (offline) operational scheduling problems, and demonstrate some of the software we have developed to analyze operating theatre departments and test algorithms. If there is time, and interest from any teaching staff, I can discuss the "Operating Room Manager Game", a management game I use for teaching in our Industrial Engineering MSc program.

Die Vorträge zum Operations Research wenden sich an alle Interessierten!

Ab 17:00 Uhr ist am Lehrstuhl für Operations Research (Gebäude 11.40, Besprechungsraum 249) Gelegenheit zu einem Gespräch mit dem Referenten bei einer Tasse Kaffee gegeben.

Bei Rückfragen wenden Sie sich bitte an:

Prof. Dr. Stefan Nickel, Institut für Operations Research.