

Planning and Scheduling Applications of Operational Research in Healthcare

The third LANCS Healthcare cluster workshop

Tuesday 19 January 2010, University of Nottingham

Organised by Celia Glass and Sanja Petrovic

The day is divided into four sessions each of which will include discussion after the talks, and a positioning summary by the chair. Themes throughout are expected to include targets and performance indicators relating to NHS operations on the one hand, and the theoretical underpinning of techniques on the other hand.

		<i>Registration</i>	08:30
	<i>Celia Glass and Sanja Petrovic</i>	<i>Opening of the workshop</i>	08:55
Topic	Chair - academic	Discussion chair - practitioner	
Speakers	Research project	Refreshments	Timing
Treatment Scheduling:	Sanja Petrovic	Jakko Brower	
Similarity and Differences in Requirements			
Richard Wood	Jakko Brouwers	Scheduling Treatments at a Rehabilitation Hospital	09:00
Marion Penn		Scheduling of Operating Theatres	09:30
Dobriila Petrovic	Sanja Petrovic	Radiotherapy Scheduling	10:00
		<i>Tea/coffee</i>	10:45
Logistics of patient flow:	David Worthington	Simon Peck	
How OR can help to set and to meet government targets			
Adrian Fletcher		Generic Simulation Modelling of A&E Patient Fows in Acute Hospitals in England	11:00
Navid Izady		Queuing Models to Enable A&E Staff to Achieve the 4-hour Government Target	11:30
		<i>Lunch</i>	12:30
Capacity Planning:	Jeff Griffiths	Rhyd Owen	
Range of Techniques and Hospital Departments			
Honora Smith		Estimation of Capacity Needed for New Healthcare Facilities	13:15
Natasha Shakhlevitch	Alessandro Condotta	Patient Pathways Management: Modelling, Analysis and Optimisation	13:45
James Pang		Brief Introduction to Modelling Choose and Book System	14:15
Mari Jones	Rhyd Owen	Workforce Planning for Anaesthetists	14:30
		<i>Coffee/tea</i>	15:15
Rostering:	Celia Glass	Dr. Bryan Todd	
What NHS staff really want			
Celia Glass		Nurse and Doctor Rostering: What is a Good Roster?	15:30
Alistair Clark		Brief Reflections on Rostering: Rescheduling in the NHS	16:00
Edmund Burke		Nurse Rostering	16:15
		<i>End of the workshop</i>	17:00