	Chair			
MB1	**Maria Eugénia Captivo**	Inês Marques	Bicriteria elective surgery scheduling using an evolutionary algorithm	**Operating Room Planning and Scheduling 1**
		Ivanna Mandzyuk	A software tool to support the surgical planner	
		Rosita Guido	A hybrid genetic approach for solving multiobjective operating room planning and scheduling problems	
		Mohsin Malik	A Bi-objective Optimization Approach to Healthcare Aggregate Capacity Planning	
MB2	**Sally Brailsford**	Sally Brailsford	The influence of unscheduled admissions on critical care nurse staffing	**Workforce Planning**
		Ilgin Acar	An Overview of Nurse-to-Patient Assignment Problem	
		Steffen Bayer	Ophthalmology workforce planning in Singapore	
		Paolo Tubertini	Emergency Room Management in Lazio, Italy	
MB3	**Angela Testi**	Mário Amorim Lopes	Assessing and planning for the future needs of the healthcare workforce	**Health Economics**
		Hui Zhang	Pricing and Promotional Decisions of a Drug Manufacturer with the Presence of Price-Volume Agreement	
		Michele Sonnessa	An agent-based simulation model to evaluate the impact of different co-payment scenarios on health services consumption and public budget	
		Mahsa Ghandehary	An investigation on inventory model with considering on expire date of hospital pharmacy	
MC1	**Andrea Matta**	Sacramento Quintanilla	A Mobile Route-Planning Application for planning routes at the Hospital at Home	**OR Methodologies for Home Care 1**
		Daniela Lüers	The home health care problem under consideration of working regulations	
		Andrea Matta	A Data-Driven Approach for Estimating the Travel Times of Operators for the Assignment Problem of Home Health Care Services	
MC2	**Honora Smith**	Honora Smith	Online allocation and routing for blood delivery in conditions of variable and insufficient supply: a case study in Thailand	**Modelling Blood Delivery**
		Samuel Van Brummelen	Production and Waiting time Computation for Blood Donor Centers	
		Sharon Hovav	Optimization and approximation techniques in service of constructing blood sampling supply chain	
MC3	**Lerzan Ormeci**	Alexander Rutherford	A Network-Based Approach to Testing for Infectious Diseases Transmitted on Contact Networks	**Modeling Infectious Diseases**
		Krisztina Vasarhelyi	Developing an Operational Framework for the Global Expansion of Antiretroviral Treatment Delivery to Control the HIV Epidemic	
		Lerzan Ormeci	Modeling the Effect of Nurse as a Transmitter on Hospital Acquired Infections	

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TuA1	**Paul Harper**	Paul Harper	Embedding Healthcare Modelling in the Health Service: Making an Impact in South Wales!	**Modelling in Healthcare**
		Teresa Cipriano Rodrigues	The MACBETH approach to health value measurement: Building a population health index	
		Joe Viana	A comparison of two approaches to hybrid simulation in a healthcare context from an operational researcher's perspective	
		Olav Goetz	Simulation based analysis of operational processes of a general hospital	
		Angel Ruiz	Modeling the Logistics Response to a Bioterrorist Anthrax Attack	
TuA2	**Thierry Garaix**	António Cruz	A Tabu Search Approach to IMRT Beam Angle Optimization	**Cancer Treatment Planning**
		Arantzazu Arrospide	Evaluation of Health Benefits and Harms of the Breast Cancer Screening Program in the Basque Country (1996-2011)	
		Ingeborg Bikker	Reducing access times for radiation treatments by aligning the doctor's schemes	
		Leslie Anne Campbell	Average Risk Colorectal Cancer Screening: Understanding the Consequences of Introducing Competing Demands for Limited Colonoscopy Resources	
		Salim Rostami	Appointment scheduling for ambulatory chemotherapy	
TuA3	**Erik Demeulemeester**	Michael Samudra	The effect of three different scheduling strategies on patient related performance measures	**Patient Scheduling**
		Amina Awedni	Outpatient scheduling problem: the case of infectious diseases service In Hédi Chaker hospital of Sfax	
		Daniel Gartner	Flexible hospital-wide scheduling of elective patients	
		Aleida Braaksma	Online appointment scheduling with different urgencies and appointment lengths	
		Jennifer Morgan	Using Text mining and simulation for health system understanding: modelling hospital outpatient follow-up demand	
POSTERS	**Marion Rauner**	Alcides Algarra Grande	Predicting no-shows in a Brazilian hospital to improve patient scheduling performance	**Poster**
		Andres Osorio	A stochastic optimisation model for technology selection and donors assignment in the blood supply chain	
		Daniel Gartner	Emergency Department-wide Capacity Dimensioning	
		Francisco S. Sabbadini	Modeling the accessibility of patients with chronic disease in a public outpatient clinic using service design and discrete event simulation	
		Raïsa Carmen	Improving length of stay in emergency departments: a real-life case study	
		Sara Ribeiro	What are the effects of Climate Change on the distribution of Malaria in Africa?	
		Sarah Kok	NepidemiX - a tool for simulating disease and intervention processes on networks	
		Walaa Ismael	Rationalisation of insurers' underwriting decisions for individual health risks.	
TuC1	**Penny Holborn**	Tracey England	Modelling Patient Flow in a Busy Fracture and Orthopaedic Unit	**Patient Flow**
		Paula Andrea Velásquez Restr	Systemic analysis of the flow of hospital patient and determination of the capacity of beds in a high complexity hospital	
		Jivan Deglise-Hawkinson	An Outpatient Planning Optimization Model for Integrated Care and Access Management	
		Penny Holborn	Reducing cancellations for Day of Surgery Admissions	
TuC2	Fredrik A. Dahl	Izabela Komenda	Compliance with National Guidelines for Stroke in Radiology	**Disease Modeling and Policy 1**
		Mahsa Keshtkaran	Validation of complex decision-support model for investigation and improvement in health services: the case of stroke thrombolysis	
		Fredrik A. Dahl	Ranking Stroke-Related Instruments for a Rehabilitation Context through an Analytical Hierarchical Process	
TuC3	**Erwin Hans**	Erwin Hans	Minimising variation in bed demand by improving the operating room scheduling	**Operating Room Planning and Scheduling 2**
		Manuel Dios	A Decision Support System for Solving the Stochastic Operating Theater Tactical Problem	
		Ana Tavares	Optimal Master Surgical Planning: a block scheduling approach to the operating theatre	
		Patrick Soriano	Master Surgical Schedule Planning Integrating Waiting List Managementfor Targeted Surgeries	

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ThA1	**Xiaolan Xie**	Iago Mansur	Study of the Impact of Patient Arrival in a Public Hospital Emergency Unit.	**Patients Flow in Emergency Departments**
		Guy Wachtel	An alternative approach for improving patients' scheduling in the emergency department	
		Cigdem Gurgur	Improving Patient Flow through Capacity Planning and Scheduling	
		Paolo Landa	Capacity planning and bed management for improving the flow of patients through emergency and acute inpatient departments	
		Tomi Malmström	Reducing hospital admissions – effects of emergency department observation unit	
		Martin Prodel	Hospitalization admission control of emergency patients using Markov decision process	
ThA2	**David Stanford**	Marion Rauner	Benchmarking Rescue Departments of the Austrian Red Cross Using Data Envelopment Analysis and Fractional Regression Models	**Performance Evaluation**
		Ana Nascimento	Assessing the Effectiveness of Noncommunicable Diseases Control and Prevention Using Data Envelopment Analysis: An International Comparison	
		David Stanford	An Optimization Model to Minimize Expected Excess Waiting Time in Systems Adhering to Key Performance Indicators	
		Penelope Mullen	That doesn't apply to you – it's a standard letter!: OR and Commonsense in Health Care Management	
		Roxani Karagiannis	Analysing scale efficiency estimates using a system-of-equations two-stage DEA approach: The case of public hospitals in Greece	
		Tone Breines Simonsen	Increasing Response Rate for Patient Surveys	
ThA3	**Thierry Chaussalet**	Francisco S. Sabbadini	Using the Theory of Constraints (TOC) and Discrete Event Simulation (DES) in hospitals: 03 case studies	**Healthcare Planning 1**
		Teresa Cardoso	A stochastic planning model for long-term care: Moving towards an equitable and health centered multi-service network of care	
		Soheil Davari	Gamma-robust Preventive Health Care Network Design	
		Mario Jorge Ferreira de Olive	Simulation of the Capacity of Intensive Care Units in the State of Rio de Janeiro	
		Hannah Mitchell	Using the Hidden Markov model to capture quality of care in healthcare systems	
		Thierry Chaussalet	Forecasting NHS patient activity in England	
ThB1	**Patrick Soriano**	Valérie Bélanger	The relocation and pre-assignment problem in real-time management of ambulance fleets	**Ambulance Location**
		Melanie Reuter	Demand for emergency rescues in Germany and its impact on ambulance planning	
		Lara Wiesche	Simulation based evaluation of ambulance location models	
		José A. Oliveira	A genetic algorithm to solve the non-emergency patient transport problem in Portugal	
ThB2	**Margarida Moz**	Mohamed Cisse	A generic model for Home Health Care Routing Problem	**OR Methodologies for Home Care 2**
		Issam Nouaouri	The Home Health Care Routing and Scheduling with Patients' Preferences	
		Patrick Hirsch	Tabu Search strategies for daily scheduling of home health care services that use time-dependent public transport networks	
		Ettore Lanzarone	Different perspectives and goals in Home Care planning	
ThB3	**Fermin Mallor**	Fermin Mallor	Control problems in health care considering general length of stay distributions. Application to intensive care units.	**Healthcare Planning 2**
		Julie Vile	The MetSim tool for short-term forecasts of hospital admissions and bed occupancy incorporating meteorological Information	
		Mathias Barra	Modelling Bed Constraint Effects through Cox Regression with Time Varying Covariates	
ThC1	**Margaret Brandeau**	Miguel Constantino	Robust Kidney Exchange Optimization	**Disease Modeling and Policy 2**
		Margaret Brandeau	Modeling and Calibration for Exposure to Time-Varying, Modifiable Risk Factors: The Example of Smoking Behavior in India	
		Angelico Fetta	Investigating Adolescent Friendships and Smoking Behaviours with Social Network Analysis and Agent Based Simulation	
ThC2	**Jan Vissers**	Jan Vissers	Modelling and evaluation of regional healthcare delivery systems. Approach and methodology	**Regional Health Service**
		Sylvia Elkhuizen	Modelling and evaluation of diabetes care in regional health service provider networks. A comparative analysis of six European practices.	
		Cheryl Voake-Jones	Modelling the value of community-based secondary care services	
ThC3	**Mónica Oliveira**	Diana Lopes	A MACBETH-Choquet model to evaluate interdependent health impacts	**Risk Management**
		Mónica Oliveira	Building a value risk-matrix for the evaluation and mitigation of health and safety risks	
		Cristinca Fulga	Risk-Reward Optimization with Linear Tolerance to Risk with Applications to the Health Management Sector	

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FA1	**Roberto Aringhieri**	Andrea Matta	Planning of Hospital Surgery Volume Activities under Short Term Patients' Outcomes	**Operating Room Planning and Scheduling 3**
		Wim Vancroonenburg	A two-phase heuristic approach to multi-day surgical case scheduling considering generalized resource constraints and desiderata	
		Roberto Aringhieri	An hybrid model for the analisys of a surgical pathway	
		Giuliana Carello	A rolling horizon approach for planning surgery cases under uncertain surgery duration: deterministic versus robust solutions	
		Elizabeth Rowse	Set Partitioning Methods for Robust Scheduling: an Application to Operating Theatres	
		Fabrício Sperandio	A rolling horizon approach for the surgery scheduling problem with block synchronization: MIP versus Biased Random-Key Genetic Algorithm	
FA2	**Vincent Knight**	Tatiana Ceballos	A model of system dynamics for the study the problem the hospital length of stay, the evaluation of solution alternative and the efficiency of the bed resource	**Healthcare Planning 3**
		Leanne Smith	Modelling Phototherapy for Dermatology Services in Wales	
		Ines Verena Arnolds	Clinical pathway mining for downstream and upstream planning of hospital wide patient flow	
		Vincent Knight	Measuring the Price of Anarchy in Critical Care Unit Interactions	
		Ali Taghizadeh Herat	A Thematic Analysis of Leader Attitudes toward Re-conceptualizing the Excellence Model in Hospitals	
FA3	**Christos Vasilakis**	Christos Vasilakis	Evaluating an innovative approach to the diagnostic processes for glaucoma: the role for operational research in a mixed methods study	**Disease Modeling and Policy 3**
		Myriam Soto	The Impact of Possible Early Interventions in Alzheimer´s Disease	
		Bernardete Pinheiro	Determinants of healthcare utilization in hypertensive patients: a longitudinal analysis	
		Sebastião Loureiro	Technology and inequity in health: geographical distribution of glucometers in the control of diabetes.	
		David Anderson	Making the Case for Case Management: Identifying High-Risk Diabetes Patients	
		Mohamad Javad Ashja	Assessment of Users Satisfaction Rate of Isfahan University of Medical	