WS4 - Workshop on Models and Methods for hospital management and planning (M2H)

Opening session. New challenges in healthcare systems

Kristofer Bengtsson, Chalmers University of Technology /Sekvensa AB, Sweden
Cristian Mahulea, University of Zaragoza, Spain

Emergency department crowding

Miryam Barad (Tel Aviv University, Israel), Talma Hadas (Seker Consult, Israel), Rony Ackerman Yarom and Hadar Weisman (Tel Aviv University, Israel)

Mapping patient flow in the Jeanne de Flandres Hospital’s operating rooms

Inès Ajmi, Gammoudi Lotfi, Matthieu Carruel (Ecole Centrale de Lille, France), Hayfa Zgaya Zgaya and Jean-Marie Renard (University Lille 2, France)

Optimization of the Demand Estimation in Hospitalary Pharmacy

Alberto José López Ramírez and Isabel Jurado (Universidad de Sevilla, Spain), Maria Isabel Fernandez Garcia (Hospital San Juan de Diós, Córdoba, Spain), Beatriz Isla Tejero, José Ramón Del Prado Llergo (Hospital Universitario Reina Sofía, Córdoba, Spain) and José María Maestre Torreblanca (Universidad de Sevilla, Spain)

Application of Robust Model Predictive Control to Inventory Management in Hospital Pharmacies

Pablo Velarde Rueda, José M. Maestre, Isabel Jurado Flores, Isabel Fernández García, Beatriz Isla Tejera and José Ramón Del Prado Llergo.

Coffee break

Plenary talk. Discrete Event System models in healthcare systems

Maria Pia Fanti (Politecnico di Bari, Italy) and Walter Ukovich (University of Trieste, Italy)

Conformance Checking in Healthcare Based on Partially Ordered Event Data

Xixi Lu, Ronny S. Mans, Dirk Fahland and Wil M.P. van der Aalst (Eindhoven University of Technology, The Netherlands)

A model-based approach for the specification and verification of clinical guidelines

Simona Bernardi (Centro Universitario de la Defensa, Spain), Jorge Albareda
(University Hospital "Lozano Blesa", Zaragoza, Spain), José-Manuel Colom and Cristian Mahulea (University of Zaragoza, Spain)

Patient coordination in emergency departments using an event-based information architecture

Kristofer Bengtsson and Bengt Lennartson (Chalmers University of Technology, Sweden)