



Workshop on Models and Methods for hospital management and planning

held in conjunction with the 19th IEEE International Conference on Emerging Technologies and Factory Automation (ETFA'2014), Barcelona, Spain

September 16, 2014, Barcelona, Spain

Call for Papers

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Aims and Scope: Healthcare systems are highly computerized large-scale distributed systems. To manage the increasing demand and financial pressure, radically new planning and control approaches are needed. The workshop intends to bring together universities and hospitals to discuss actual problems of healthcare systems related to the hospital planning and management. The focus of the workshop is on the logistics and planning of patient activities and resource utilization.

Topics: The workshop will cover all topics related to hospital management and palling problems, including (but not limited to):

- Online / offline optimization of resource utilization or patient sequences
- Domain Specific Languages and user interfaces for modeling and planning by staff and patients
- Verification of policies and decisions
- Online or offline synthesis of control policies
- Healthcare systems behavior models
- Data and process mining of healthcare systems behavior
- Simulation and prognosis of future system behavior
- Configuration and matching of patient activities and staff abilities
- Successful ICT implementations

Paper Submission: Prospective participants are invited to electronically submit full papers of their work following the instructions on the website. The accepted papers will be published in the ETFA'2014 conference proceedings online at IEEExplore.

Important dates:

- Paper submission: April 30, 2014 (~~March 15, 2014~~)
- Paper acceptance notification: May 26, 2014 (~~May 15, 2014~~)
- Final paper submission: July 1, 2014

Sponsored by: *Technical Committee on Automation in healthcare management* of the IEEE Robotics and Automation Society.

Additional information: <http://www.etfa2014.org/etfa2014/workshops/m2h>