



DSS for HCP



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Call for Papers for the IEEE SMC 2012 Special Session **DSS4HCP**: Decision Support Systems for Healthcare Processes

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Context: Improving access and delivery of health care is a very actual topic in many countries. In order to meet the challenges posed by growing medical costs, aging population and limited resources, new technologies and new methods are urgently needed.

The envisioned SMC 2012 **DSS4HCP** special session aims to discuss and produce such novel technologies and methods, especially those for decision support. The session focuses on decisions that take into account both clinical and logistic aspects. More specifically, the purpose of the session is to balance between optimal care quality and manageable costs for societies and insurance companies. Advanced decision support systems and workflow management systems can make care delivery respectively more evidence-based and more efficient. Moreover, process discovery and conformance checking methods can be used to ensure that computerized models are based on the operational facts rather than on wishful thinking.

A particular challenge however remains to bridge the gap between medical, administrative and logistic processes.

Therefore, we welcome especially techniques that reconcile clinical decision support systems, nurse support workflows, patient planning systems as well as legacy systems from previously isolated players in integrated healthcare enterprises and cross-organizational care supply chains.



Topics of interest include, but are not limited to:

- clinical decision support,
- decision support for making care delivery more efficient,
- decision support for patient scheduling in integrated care delivery chains/networks,
- intelligent systems for healthcare decision support,
- translating clinical guidelines into care protocols,
- integrating clinical guidelines and care protocols with administrative workflows,
- using collaborative information systems and portable devices in this context.

Important Dates

- March 25, 2012 Deadline for abstract submission (intention to submit paper)
- April 15, 2012 Deadline for submission of full-length papers
- June 15, 2012 Acceptance/Rejection notification
- July 31, 2012 Deadline for final camera-ready papers submission
- July 31, 2012 Early paper registration deadline

Submission

Manuscripts for the special session should **NOT** be submitted in duplication to any other regular or special sessions and should be submitted to SMC 2012 main conference online submission system on SMC 2012 conference website. Abstracts should be sent via e-mail to the special session organizers.

All submitted papers of Special Sessions have to undergo the same review process (three completed reviews per paper).