

DOTTORATO DI RICERCA IN BIOINGEGNERIA E BIOINFORMATICA DIPARTIMENTO DI INFORMATICA E SISTEMISTICA



AVVISO DI SEMINARIO

Process Mining with Application in clinical Pathways

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Abstract - Diffusion of ICT tools within hospitals, such as electronic clinical charts, computerized guidelines and, more generally, decision support systems, led to collection of a big amount of data.

Process mining techniques offer an opportunity of exploiting so-called "event logs", which may originate from all these kinds of systems. Typically, event logs record temporal information about the start/completion of process actions for all cases, e.g. patients, together with related context data (e.g. actors and resources). "Process mining" means extracting process knowledge from logs. This allows realising gaps between what is prescribed or supposed to happen, and what actually happens. Moreover, once an "ideal" process has been defined, e.g. through a clinical practice guideline formalization, it can be compared with the mined one (i.e. the actual process) to highlight differences and thus individuating bottlenecks in guideline implementation. Eventually, finding bottlenecks is the first step for further analysis and possibly reorganization of critical processes, and this is one of the main contributions of process mining.

Aula Seminari
Dipartimento di Informatica e Sistemistica, piano D
Lunedì 10 dicembre 2007, ore 16,30

I dottorandi e gli interessati sono cordialmente invitati.

L'organizzatore

Il coordinatore del dottorato

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