

Invited Applications Talk:

Case Based Reasoning for Workflow Business Process Management

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Abstract

Workflows represent the sequences of industrial, administrative or other processes across specialised domains involving people, tasks and resources. Workflows are predefined and are expected to reside within the boundaries of pre-defined business processes. However, their orchestration and choreography can significantly vary from what was originally intended, leading to a variety of potentially unexpected behaviours in uncertain environments. This invited talk will focus on the research in workflows using Case-based Reasoning, presenting the current background work as well as the state of the art in the area of intelligent workflow monitoring. The areas under investigation will be: transaction monitoring, fraud monitoring and cyber security. An overview of the current challenges will be given along with the illustrated potential for the near future.