

Discrete Event Process Mining / Identification

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Automated modelling of discrete event processes from external observation of their behaviour is a research topic that received a lot of attention in the last decade. This problem has been addressed by the Discrete Event Systems (DES) and Workflow Management Systems (WMS) communities, under different names (DES Identification and Workflow mining, respectively) and approaches. Although there are several proposed approaches in each field, much remains to be done regarding efficiency of the methods and their practical application.

The aim of this special session is presenting new approaches and methods on discrete event process mining while gathering research contributions in both DES and WMS areas. This will allow fostering the discussion and exchange on common and related problems regarding both theoretical and application issues. We are encouraging submissions addressing applications and the inherent problems regarding efficiency on diverse domains (manufacturing, banking, hospital management, model verification ...).

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