

8th International Symposium on

Data-Driven Process Discovery and Analysis SIMPDA 2018

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Foreword

With the increasing automation of business processes, growing amounts of process data become available. This opens new research opportunities for business process data analysis, mining, and modeling. The aim of the IFIP 2.6 - International Symposium on Data-Driven Process Discovery and Analysis is to offer a forum where researchers from different communities and the industry can share their insight in this hot new field.

Submissions aim at covering theoretical issues related to process representation, discovery and analysis, or provide practical and operational experiences in process discovery and analysis. In this sixth edition, 15 papers were submitted and 8 papers were accepted for publication in the pre-symposium volume. According to the format of a symposium, the discussion during the event is considered a valuable element that can help to improve the quality of the results proposed or the approach in presenting results. For this reason, authors of accepted papers will be invited to submit extended versions of their articles to a post-symposium volume of Lecture Notes in Business Information Processing, scheduled in 2019.

Our thanks go to the authors who submitted to the conference, to the board of reviewers that made a deep work, and to those who participated in the organization or in the promotion of this event.

We are very grateful to the University of Seville, the Università degli Studi di Milano, the University of Twente, and the IFIP, for supporting this event.

Paolo Ceravolo
M. Teresa Gómez López
Maurice Van Keulen
SIMPDA co-Chairs

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RELATING EVENT DATA AND PROCESS MODELS: THE ADVENT OF CONFORMANCE CHECKING

Conformance checking is one of the fundamental dimensions of process mining. It is acknowledged by the process mining community that the most important challenge to overcome in the area is the problem of relating event data and process models. Alignments are meant to address exactly this challenge. However, alignments are very hard to compute in some cases, which prevents them to be fully adopted in practice. In this keynote I will provide an overview of the techniques developed in my group, or in collaboration with the other groups, about recent algorithms for solving different instantiations of the alignment problem.



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