Workshop on Process-Oriented Case-Based Reasoning 2019

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Preface

Process-oriented Case-based Reasoning (POCBR) follows a successful previous series and a general increase of research in this area as evidenced by submissions to the main conference, as well as in other workshops and the CCC where applications of Process-Oriented Case-Based Reasoning (PO-CBR) have been presented and discussed.

The motivation for this workshop is to encourage the exchange of information and ideas about PO-CBR and its application to process workflows and Business Process Management (BPM), Workflow Management, and other means of technical support for procedural knowledge in different application areas like business processes, software processes, planning processes, or search processes.

The main goals of this workshop are to:
1. Provide a medium of exchange for information in CBR for Processes and Workflows research
2. Provide an opportunity for participants to demonstrate some CBR prototypes in the field, and hence to illustrate some of the challenges and issues they faced.

Workshop Topics focus on:

- Case-based representation of process knowledge (by workflows, traces, plans, etc.)
- Retrieval for process optimization
- Similarity measures for process optimization
- Experience reuse in PO-CBR
- Case-based adaptation for process optimization
- Extraction of process knowledge
- Evaluating CBR tools for PO-CBR
- Agile workflow technology with CBR components
- CBR in (commercial) workflow management tools
- Visualization and explanation of process knowledge
- Explanation of reasoning knowledge
- Cross-process knowledge reuse
- Maintenance of business process knowledge
- Process-oriented transfer learning
- Applications, systems, and tools:
- Lessons learned in PO-CBR investigations
- Challenge tasks for CBR systems in the context of business processes, software processes, planning processes, search processes, monitoring processes, and decision support processes

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