

# Several awards for PADS members at ICPM 2022 in Bolzano

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The 4th International Conference on Process Mining (ICPM 2022) took place on October 23-28, 2022 at the Free University of Bozen-Bolzano.

Over 300 process mining researchers and practitioners from all over the world gathered in Bolzano to discuss the latest developments in the field. With three best paper awards, the Process and Data Science chair (PADS) from RWTH Aachen University had a fruitful participation.



Pictures from left to right: Best student paper award of the ICPM (Bianka Bakullari and Prof. Wil van der Aalst), Best paper award of the RPM workshop (Majid Rafiei), Best paper award of the PQMI workshop (Gyunam Park).

Bianka Bakullari and Wil M.P. van der Aalst received the best student paper award for their paper “High-Level Event Mining: A Framework” . The approach proposes a new way of conceptualizing and logging process behavior which can not be observed at the level of the individual events or process instances. Given a usual event log, a new event log of a higher-level is produced, where the newly assigned activities, timestamps and case identifiers take on a new meaning. The paper instantiates the framework by capturing typical system-level behavior such as traffic, blockages and workload.

Preprint available: <https://arxiv.org/abs/2211.00006>

TraVaS: Differentially Private Trace Variant Selection for Process Mining by Majid Rafiei , Frederik Wangelik, and Wil M. P. van der Aalst won the best paper award of the Responsible Process Mining (RPM) workshop at ICPM 2022. TraVaS introduces a new approach based on differentially private partition selection strategies to anonymize the control-flow perspective of event data.

Preprint available: <https://arxiv.org/abs/2210.14951>

Gyunam Park and Wil M. P. van der Aalst won the best paper award of the Process Querying, Manipulation and Intelligence (PQMI) workshop at ICPM 2022. The paper is titled as Monitoring Constraints in Business Processes Using Object-Centric Constraint Graphs . Overcoming the limitations of existing approaches when applied in real-life business processes, the paper proposes an approach to monitoring constraints in object-centric business processes.

Preprint available: <https://arxiv.org/abs/2210.12080>