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Nota di contenuto	Fourteenth International Workshop on Business Process Intelligence (BPI) -- Clustering Business Process Activities for Identifying Reference Model Components -- Multi-Instance Mining: Discovering Synchronisation in Artifact-Centric Processes -- Improving merging conditions for recomposing conformance checking -- Efficiently Computing Alignments -- Understanding automated feedback in learning processes by mining local patterns -- Eleventh Workshop on Social and Human Aspects of Business Process Management (BPMS2) -- Social Technology Affordances for Business Process Improvement -- Social Business Process Management (SBPM) Critical Success Factors (CSF) -- Enabling Co-Creation in Product Design Processes using 3D-Printing Processes -- Evaluation of WfMC Awards for Case

Management: Features, Knowledge Workers, Systems -- Investigating the trade-off between the effectiveness and efficiency of process modeling -- The Repercussions of Business Process Modeling Notations on Mental Load and Mental Effort -- First International Workshop on Process-Oriented Data Science for Healthcare (PODS4H) -- Expectations from a Process Mining Dashboard in Operating Rooms with Analytic Hierarchy Process -- Tailored Process Feedback through Process Mining for Surgical Procedures in Medical Training: the Central Venous Catheter case -- An Application of Process Mining in the Context of Melanoma Surveillance using Time Boxing -- Characterization of drug use patterns using process mining and temporal abstraction digital phenotyping -- Pre-hospital Retrieval and Transport of Road Trauma Patients in Queensland -- Analyzing Medical Emergency Processes with Process Mining: The Stroke Case -- Using indoor location system data to enhance the quality of healthcare event logs: opportunities and challenges -- The ClearPath Method for Care Pathway Process Mining and Simulation -- Analysis of Emergency Room Episodes Duration through Process Mining -- First International Workshop on Artificial Intelligence for Business Process Management (AI4BPM) -- Enhancing Process Data in Manual Assembly Workflows -- Modeling Uncertainty in Declarative Artifact-Centric Process Models -- Extracting workflows from natural language documents: A first step -- DCR Event-reachability via Genetic Algorithms -- Classifying Process Instances Using Recurrent Neural Networks -- Leveraging Regression Algorithms for Predicting Process Performance using Goal Alignments -- First International Workshop on Emerging Computing Paradigms and Context in Business Process Management (CCBPM) -- Improved Particle Swarm Optimization based Workflow Scheduling in Cloud-fog Environment -- An Efficient Algorithm for Runtime Minimum Cost Data Storage and Regeneration for Business Process Management in Multiple Clouds -- A Lean Architecture for Blockchain Based Decentralized Process Execution -- Mining Product Relationships for Recommendation Based on Cloud Service Data -- SmartCrowd: A Workow Framework for Complex Crowdsourcing Tasks -- Third International Workshop on Process Querying (PQ 2018) -- Checking Business Process Models for Compliance - Comparing Graph Matching and Temporal Logic -- From Complexity to Insight: Querying Large Business Process Models to Improve Quality -- Second International Workshop on BP-meet-IoT (BP-meet-IoT 2018) -- Retrofitting of Workflow Management Systems with Self-X Capabilities for Internet of Things -- On the Contextualization of Event-Activity Mappings -- A Classification Framework for IoT Scenarios -- First Declarative/Decision/Hybrid Mining and Modelling for Business Processes (DeHMiMoP) -- Evaluating The Understandability of Hybrid Process Model Representations Using Eye Tracking: First Insights -- A Framework to Evaluate and Compare Decision-Mining Techniques -- Compliance Checking for Decision-Aware Process Models -- Towards Automated Process Modeling based on BPMN Diagram Composition -- Measuring the Complexity of DMN Decision Models -- Joint Requirements Engineering and Business Process Management Workshop / Education Forum (REBPM / EdForum) -- Process Weakness Patterns for the Identification of Digitalization Potentials in Business Processes -- From requirements to data analytics process: An ontology-based approach. .

## Sommario/riassunto

This book constitutes revised papers from the eight International Workshops held at the 16th International Conference on Business Process Management, BPM 2018, in Sydney, Australia, in September 2018: BPI 2018: 14th International Workshop on Business Process

Intelligence; BPMS2 2018: 11th Workshop on Social and Human Aspects of Business Process Management; PODS4H 2018: 1st International Workshop on Process-Oriented Data Science for Healthcare; AI4BPM 2018: 1st International Workshop on Artificial Intelligence for Business Process Management; CCBPM 2018: 1st International Workshop on Emerging Computing Paradigms and Context in Business Process Management; BP-Meet-IoT / PQ 2018: Joint Business Processes Meet the Internet-of-Things and Process Querying Workshop; DeHMiMoP 2018: 1st Declarative/Decision/Hybrid Mining and Modelling for Business Processes Workshop; REBM /EdForum 2018: Joint Requirements Engineering and Business Process Management Workshop and Education Forum The 45 full papers presented in this volume were carefully reviewed and selected from 90 submissions.

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