1. Record Nr. UNINA9910370257503321

Titolo	Business Process Management Workshops : BPM 2019 International Workshops, Vienna, Austria, September 1–6, 2019, Revised Selected Papers / / edited by Chiara Di Francescomarino, Remco Dijkman, Uwe Zdun
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-37453-X
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (XVI, 761 p. 354 illus., 142 illus. in color.)
Collana	Lecture Notes in Business Information Processing, , 1865-1356 ; ; 362
Disciplina	005.14 658.05 (edition:23)
Soggetti	Information technology - Management Application software Data mining Business information services Computer Application in Administrative Data Processing Business Process Management Computer and Information Systems Applications Data Mining and Knowledge Discovery Business Information Systems Enterprise Architecture
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Third International Workshop on Artificial Intelligence for Business Process Management (AI4BPM).-Pushing more AI capabilities into Process Mining to better deal with low-quality logs -- Research Challenges for Intelligent Robotic Process Automation -- Description Logic and Specialization for Structured BPMN -- Utilizing Ontology-Based Reasoning to Support the Execution of Knowledge-Intensive Processes -- How Cognitive Processes Make Us Smarter -- Supporting Complaint Management in the Medical Technology Industry by Means of Deep Learning -- Resource Controllability of Workflows Under Conditional Uncertainty -- Automated Multi-Perspective Process

Generation in the Manufacturing Domain -- Data-Driven Workflows for Specifying and Executing Agents in an Environment of Reasoning and RESTful Systems -- The Changing Roles of Humans and Algorithms in (Process) Matching -- Third International Workshop on Business Processes Meet Internet-of-Things (BP-Meet-IoT) -- Integrating IoT with BPM to provide Valueto Cattle Farmers in Australia -- Enabling the Discovery of Manual Processes using a Multi-modal Activity Recognition Approach -- 15th International Workshop on Business Process Intelligence (BPI) -- Impact-Aware Conformance Checking -- Encoding Conformance Checking Artefacts in SAT -- Performance Mining for Batch Processing Using the Performance Spectrum -- LIProMa: Label-Independent Process Matching -- A Generic Approach for Process Performance Analysis using Bipartite Graph Matching -- Extracting a collaboration model from VCS logs based on process mining techniques -- Finding Uniwired Petri Nets Using eST-Miner -- Discovering Process Models from Uncertain Event Data -- Predictive Process Monitoring in Operational Logistics: A Case Study in Aviation -- A Survey of Process Mining Competitions: the BPI Challenges 2011-2018 -- First International Workshop on Business Process Management in the era of Digital Innovation and Transformation: New Capabilities and Perspectives (BPMinDIT) -- The Power ofthe Ideal Final Result for Identifying Process Optimization Potential -- Understanding the need for new perspectives on BPM in the digital age: an empirical analysis -- The Use of Distance Metrics in Managing Business Process Transfer - An Exploratory Case Study -- 12th International Workshop on Social and Human Aspects of Business Process Management (BPMS2) -- Mining Personal Service Processes: The Social Perspective -- Supporting ED Process Redesign by Investigating Human Behaviors -- The Potential of Workarounds for Improving Processes -- 7th International Workshop on Declarative, Decision and Hybrid approaches to processes (DEC2H) -- Putting Decisions in Perspective -- DMN for Data Quality Measurement and Assessment -- Modeling Rolling Stock Maintenance Logistics at Dutch Railways with Declarative Business Artifacts -- Applying Business Architecture Principles with Domain Specific Ontology to ACM modelling of Building Construction Projects -- Checking Compliance in Data-Driven Case Management -- Second International Workshop on Methods for Interpretation of Industrial Event Logs (MIEL) -- Graph Summarization for Computational Sensemaking on Complex Industrial Event Logs -- Capturing human-machine interaction events from radio sensors in Industry 4.0 environments -- First International Workshop on Process Management in Digital Production (PMDiPro) -- BPMN and DMN for Easy Customizing of Manufacturing Execution Systems -- Second International Workshop on Process-Oriented Data Science for Healthcare (PODS4H) -- Analysis and Optimization of a Sepsis Clinical Pathway using Process Mining -- Understanding Undesired Procedural Behavior in Surgical Training: the Instructor Perspective -- Towards Privacy-Preserving Process Mining in Healthcare -- Comparing Process Models for Patient Populations: Application in Breast Cancer Care -- Evaluating the E ectiveness of Interactive Process Discovery in Healthcare: A Case Study -- Developing Process Performance Indicators for Emergency Room Processes -- Interactive data cleaning for process mining: a case study of an outpatient clinic's appointment system -- Clinical Guidelines: a crossroad of many research areas. Challenges and opportunities in Process Mining for Healthcare -- Predicting outpatient process flows to minimise the cost of handling returning patients: A case study -- A Data Driven Agent Elicitation Pipeline for Prediction Models -- A solution framework based on process mining, optimization and

discrete-event simulation to improve queue performance in an emergency department -- A multi-level approach for identifying process change in cancer pathways -- Adopting Standard Clinical Descriptors for Process Mining Case Studies in Healthcare -- Fourth International Workshop on Process Querying (PQ) -- Complex Event Processing for Event-Based Process Querying -- Storing and Querying Multi-Dimensional Process Event Logs using Graph Databases -- Second International Workshop on Security and Privacy-enhanced Business Process Management(SPBP) -- A Risk Management Framework for Compliance of Regulated Services -- A Legal Interpretation of Choreography Models -- Provenance Holder: Bringing Provenance, Reproducibility and Trust to Flexible Scientific Workflows and Choreographies -- Mining Roles From Event Logs While Preserving Privacy -- Secured and Flexible Blockchain-Based Non-governmental Identity-Authentication for Sociotechnical Systems Applications -- Extracting Event Logs for Process Mining from Data Stored on the Blockchain -- A framework for supply chain traceability based on blockchain tokens -- First International Workshop on the Value and Quality of Enterprise Modelling (VEnMo) -- Enterprise Modelling of Digital Innovation in Strategies, Services and Processes -- Measuring business process model reuse in a process repository -- Anti-Patterns for Process Modeling Problems: An analysis of BPMN 2.0-based tools behavior. .

Sommario/riassunto

This book constitutes revised papers from the twelve International Workshops held at the 17th International Conference on Business Process Management, BPM 2019, in Vienna, Austria, in September 2019: The third International Workshop on Artificial Intelligence for Business Process Management (AI4BPM) The third International Workshop on Business Processes Meet Internet-of-Things (BP-Meet-IoT) The 15th International Workshop on Business Process Intelligence (BPI) The first International Workshop on Business Process Management in the era of Digital Innovation and Transformation (BPMinDIT) The 12th International Workshop on Social and Human Aspects of Business Process Management (BPMS2) The 7th International Workshop on Declarative, Decision and Hybrid approaches to processes (DEC2H) The second International Workshop on Methods for Interpretation of Industrial Event Logs (MIEL) The first International Workshop on Process Management in Digital Production (PM-DiPro) The second International Workshop on Process-Oriented Data Science for Healthcare (PODS4H) The fourth International Workshop on Process Querying (PQ) The second International Workshop on Security and Privacy-enhanced Business Process Management (SPBP) The first International Workshop on the Value and Quality of Enterprise Modelling (VEnMo) Each of the workshops discussed research still in progress and focused on aspects of business process management, either a particular technical aspect or a particular application domain. These proceedings present the work that was discussed during the workshops. .