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	Nota di contenuto	Preface of the 7th International Workshop in Artificial Intelligence for Business Process Management -- A Responsibility Framework for Computing Optimal Process Alignments -- A Discussion on Generalization in Next-Activity Prediction -- An Experiment on Transfer Learning for Suffix Prediction on Event Logs -- A Case for Business Process-Specific Foundation Models -- Using Reinforcement Learning to Optimize Responses in Care Processes: a Case Study of Aggression Incidents -- ProtoNER: Few shot Incremental Learning for Named Entity Recognition using Prototypical Networks -- Preface of the 7th International Workshop on Business Processes Meet the Internet-of-Things -- Experiences from the Internet-of-Production: Using "Data-Models-in-the-Middle" To Fight Complexity and Facilitate Reuse -- Analyzing Behavior in Cyber-Physical Systems in Connected Vehicles: A Case Study -- An Object-centric Approach to Handling Concurrency in IoT-aware Processes -- Viola: Detecting Violations of

Behaviors from Streams of Sensor Data -- An Event-Centric Metamodel for IoT-Driven Process Monitoring and Conformance Checking -- Preface of the 19th International Workshop on Business Process Intelligence -- Relationships between Change Patterns in Dynamic Event Attributes -- State of the Art: Automatic Generation of Business Process Models -- Navigating Event Abstraction in Process Mining: a comprehensive analysis of sub-problems, data, and process characteristic considerations -- Timed Alignments with Mixed Moves -- Preface of the Workshop on Business Process Management and Social Software -- Integrating Social Media and Business Process Management: Exploring the Role of AI Agents and the Benefits for Agility -- Design Principles for Using Business Process Management Systems -- Towards a Measurement Instrument for Assessing Capabilities when Innovating Less-Structured Business Processes -- Preface of the 2nd International Workshop on Data-Driven Business Process Optimization -- Timed Process Interventions: Causal Inference vs. Reinforcement Learning -- Towards Data-driven Business Process Redesign through the Lens of Process Mining Case Studies -- Analyzing the Devil's Quadrangle of Process Instances through Process Mining -- Preface of the 11th International Workshop on DEClarative, DECision and Hybrid approaches to processes -- Generating Event Logs from Hybrid Process Models -- Exploring hybrid modelling of industrial process – mining use case -- Pareto-Optimal Trace Generation from Declarative Process Models -- Empirical Evidence of DMN Errors in the Wild - An SAP Signavio Case Study -- 2nd International Workshop on Digital Twins for Business Processes (DT4BP) -- Digital Twin of the Organization for Support of Customer Journeys and Business Processes -- Framing the Digital Business Process Twin: From a Holistic Maturity Model to a Specific and Substantial Use Case in the Automotive Industry -- Preface of the 1st Workshop on Formal Methods for Business ProcessManagement -- Model Independent Error Bound Estimation for Conformance Checking Approximation -- Repair of Unsound Data-Aware Process Models -- Non-Automata Based Conformance Checking of Declarative Process Specifications Based on ASP -- Equivalence of Data Petri Nets with Arithmetic -- Preface of the 2nd Workshop on Natural Language Processing for Business Process Management -- Abstractions, Scenarios, and Prompt Definitions for Process Mining with LLMs: A Case Study -- Text-Aware Predictive Process Monitoring of Knowledge-Intensive Processes: Does Control Flow Matter -- Large Language Models can accomplish Business Process Management Tasks -- Collecting Activities and States in German Business Process Models -- Preface of the Workshop of Object-centric processes from A to Z -- Typed Petri Nets with Variable Arc Weights -- Addressing Convergence, Divergence, and Deficiency Issues -- A Model-Driven Engineering perspective for the Object-Centric Event Data (OCED) metamodel -- Predictive Analytics for Object-centric Processes: Do Graph Neural Networks Really Help -- Preface of the Workshop on Change, Drift, and Dynamics of Organizational Processes -- A method for Creating Process Architecture: Driving Organizational Change -- Ambidextrous Business Process Management: Unleashing the Dual Power of Innovation and Efficiency -- Adding Dynamic Simulation to Business Process Modeling via System Dynamics.

Sommario/riassunto	This book constitutes revised papers from the International Workshops held at the 21st International Conference on Business Process Management, BPM 2023, in Utrecht, The Netherlands, during September 2023. Papers from the following workshops are included: • 7th International Workshop on Artificial Intelligence for Business Process Management (AI4BPM 2023) • 7th International Workshop on

Business Processes Meet Internet-of-Things (BP-Meet-IoT 2023) • 19th International Workshop on Business Process Intelligence (BPI 2023) • 16th International Workshop on Social and Human Aspects of Business Process Management (BPMS2 2023) • 2nd International Workshop on Data-Driven Business Process Optimization (BPO 2023) • 11th International Workshop on Declarative, Decision and Hybrid Approaches to Processes (DEC2H 2023) • 1st International Workshop on Digital Twins for Business Processes (DT4BP 2023) • 1st International Workshop on Formal Methods for Business Process Management (FM-BPM 2023) • 2nd International Workshop on Natural Language Processing for Business Process Management (NLP4BPM 2023) • 1st International Workshop on Object-Centric Processes from A to Z (OBJECTS 2023) • 3rd International Workshop on Change, Drift, and Dynamics of Organizational Processes (ProDy 2023) Each of the workshops focused on particular aspects of business process management. Overall, after a thorough review process, 42 full papers were selected from a total of 86 submissions. .