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	Collana	Information Systems and Applications, incl. Internet/Web, and HCI ; ; 11080
	Disciplina	025.04
	Soggetti	Information storage and retrieval
		Application software
		Data mining
		E-commerce
		Software engineering
		Artificial intelligence
		Information Storage and Retrieval
		Information Systems Applications (incl. Internet)
		Data Mining and Knowledge Discovery
		e-Commerce/e-business
		Software Engineering
		Artificial Intelligence
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	Reflections on BPM -- BPM: Foundations, Engineering, Management -- Bringing Middleware to Everyday Programmers with Ballerina -- Track I: Concepts and Methods in Business Process Modeling and Analysis -- Open to Change: A Theory for Iterative Test-Driven Modelling -- Construction Process Modeling: Representing Activities, Items and their Interplay -- Feature-Oriented Composition of Declarative Artifact-Centric Process Models -- Animating Multiple Instances in BPMN Collaborations: from Formal Semantics to Tool Support -- Managing Decision Tasks and Events in Time-aware Business Process Models --

Track I: Foundations of Process Discovery -- Interestingness of Traces in Declarative Process Mining: The Janus LTLpf Approach -- Unbiased, Fine-Grained Description of Processes Performance from Event Data -- Abstract-and-Compare: A Family of Scalable Precision Measures for Automated Process Discovery -- Correlating Activation and Target Conditions in Data-Aware Declarative Process Discovery -- Track II: Alignments and Conformance Checking -- Efficiently Computing Alignments using the Extended Marking Equation -- An Evolutionary Technique to Approximate Multiple Optimal Alignments -- Maximizing Synchronization for Aligning Observed and Modelled Behaviour -- Online Conformance Checking Using Behavioural Patterns -- Track II: Process Model Analysis and Machine Learning -- BINet: Multivariate Business Process Anomaly Detection Using Deep Learning -- Finding Structure in the Unstructured: Hybrid Feature Set Clustering for Process Discovery -- act2vec, trace2vec, log2vec, and model2vec: Representation Learning for Business Processes -- Who is behind the Model? Classifying Modelers based on Pragmatic Model Features -- Finding the "Liberos": Discover Organizational Models with Overlaps -- Track III: Digital Process Innovation -- On The Synergies Between Business Process Management and Digital Innovation -- Effective Leadership in BPM Implementations: A Case Study of BPM in a Developing Country, Public Sector Context -- Conceptualizing a Framework to Manage the Short Head and Long Tail of Business Processes -- Using Business Process Compliance Approaches for Compliance Management with regard to Digitization: Evidence from a Systematic Literature Review -- Big Data Analytics as an Enabler of Process Innovation Capabilities: A Configurational Approach -- Track III: Method Analysis and Selection -- Assessing the Quality of Search Process Models -- Predictive Process Monitoring Methods: Which One Suits Me Best -- How Context-aware are Extant BPM Methods and Tools? – Development of an Assessment Scheme -- Process Forecasting: Towards Proactive Business Process Management.

Sommario/riassunto

This book constitutes the proceedings of the 16th International Conference on Business Process Management, BPM 2018, held in Sydney, Australia, in September 2018. The 27 papers presented in this volume were carefully reviewed and selected from 140 submissions. They were organized in topical sections named: reflections on BPM; concepts and methods in business process modeling and analysis; foundations of process discovery; alignments and conformance checking; process model analysis and machine learning; digital process innovation; and method analysis and selection.