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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Big and Smart Data -- On Enriching User-Centered Data Integration Schemas in Service Lakes -- Design Principles for Digital Occupational Health Systems. - Estimating the Quality of Articles in Russian Wikipedia using the Logical-Linguistic Model of Fact Extraction -- Business and Enterprise Modelling Automatic Discovery of Object-Centric Behavioral Constraint Models -- Semi-Automated Generation of EA Deliverables -- Towards Automated Process Model Annotation with Activity Taxonomies: Use Cases and State of the Art -- Multi-Process Reporting and Analysis for Change Management and Performance Reviews. - On Avoiding Erroneous Synchronization in BPMN Processes -- IFTT: Software Application Interfaces Regression Testing. - ICT

Project Management -- Influence of Task Interdependence on Teamwork Quality and Project Performance. - On the Use of ISO/IEC Standards to Address Data Quality Aspects in Big Data Analytics Cloud Services -- Potentials of Digitization in the Tourism Industry – Empirical Results from German Experts -- Process Management How to make Process Model Matching work better? An Analysis of Current Similarity Measures -- Semi-Automatic Development of Modelling Techniques with Computational Linguistic Methods – A Procedure Model and its Application. - Obstacle-Aware Resource Allocation in Business Processes. - Ontology-based Data Access for Extracting Event Logs from Legacy Data: The onprom Tool and Methodology -- Subgroup Discovery in Process Mining -- Business Process Comparison: A Methodology and Case Study. -Smart Infrastructures -- A Smart Energy Platform for the Internet of Things – Motivation, Challenges, and Solution Proposal -- Towards a Taxonomy of Constraints in Demand-Side-Management-Methods for a Residential Context -- Decomposition of Tasks in Business Process Outsourcing -- Applications. -Analysis Method for Conceptual Context Modeling Applied in Production Environments. - Evaluating Business Domain-Specific e-Collaboration: The Impact of Integrated e-Collaboration on the Coordination of Component Calculations in Product Costing. - Improving Pavement Anomaly Detection Using Backward Feature Elimination. .

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#### Sommario/riassunto

This book constitutes the refereed proceedings of the 20th International Conference on Business Information Systems, BIS 2017, held in Pozna, Poland, in June 2017. Big Data Analytics helps to understand and enhance enterprises by linking many fields of information technology and business. This year's conference theme was: Big Data Analytics for Business and Public Administration. The 24 full papers presented in this volume were carefully reviewed and selected from 72 submissions. They were organized in topical sections named: big and smart data; business and enterprise modeling; ICT project management; process management; smart infrastructure; and applications. .

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