1. Record Nr.   UNINA9910254325803321

   Titolo   Advances in Intelligent Process-Aware Information Systems : Concepts, Methods, and Technologies / / edited by Gregor Grambow, Roy Oberhauser, Manfred Reichert

   Pubbl/distr/stampa   Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017

   ISBN   3-319-52181-0

   Edizione   [1st ed. 2017.]

   Descrizione fisica 1 online resource (XI, 249 p. 99 illus.)

   Collana   Intelligent Systems Reference Library, , 1868-4394 ; ; 123

   Disciplina   658.4038011

   Soggetti   Computational intelligence
                       Artificial intelligence
                       Information technology
                       Business—Data processing
                       Computational Intelligence
                       Artificial Intelligence
                       IT in Business

   Lingua di pubblicazione   Inglese

   Formato   Materiale a stampa

   Livello bibliografico   Monografia

   Nota di bibliografia   Includes bibliographical references at the end of each chapters.

   Nota di contenuto   On the Fundamentals of Intelligent Process-Aware Information Systems -- Adaptive Process Management in Cyber-Physical Domains -- Towards Executable Specifications for Case Management Processes -- Towards Autonomically-Capable Processes -- Process-oriented Information Logistics: Requirements, Techniques, Application -- A Predictive Approach Enabling Process Execution Recommendations -- Reasoning about Process Models: What Description Logic Offers to Business Process Model Analysis -- Improving Process Portability through Metrics and Continuous Inspection -- Business Process Intelligence Tools.

   Sommario/riassunto   This book provides a state-of-the-art perspective on intelligent process-aware information systems and presents chapters on specific facets and approaches applicable to such systems. Further, it highlights novel advances and developments in various aspects of intelligent process-aware information systems and business process management

systems. Intelligence capabilities are increasingly being integrated into or created in many of today's software products and services. Process-aware information systems provide critical computing infrastructure to support the various processes involved in the creation and delivery of business products and services. Yet the integration of intelligence capabilities into process-aware information systems is a non-trivial yet necessary evolution of these complex systems. The book's individual chapters address adaptive process management, case management processes, autonomically-capable processes, process-oriented information logistics, process recommendations, reasoning over process models, process portability, and business process intelligence. The primary target groups are researchers and PhD/Master students in the field of information systems. .