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Nota di contenuto	Enabling Value Creation -- On the Fragmentation of Process Information: Challenges, Solutions, and Outlook -- Creating Self-Managed Cross-Professional Teams with Metaphoric Business Process Support Systems -- Human Centric Paradigms -- Mining the Organisational Perspective in Agile Business Processes -- Changing the Focus of an Organization: From Information Systems to Process Aware Information Systems -- Role and Task Recommendation and Social Tagging to Enable Social Business Process Management -- Mining for Processes -- Scalable Process Discovery with Guarantees --

Multidimensional Process Mining Using Process Cubes -- Declarative Approaches -- Matching of Events and Activities - An Approach Using Declarative Modeling Constraints -- PQL - A Descriptive Language for Querying, Abstracting and Changing Process Models -- Enhancing Declarative Process Models with DMN Decision Logic -- Understanding and Sharing -- Using the Process-Assets Framework for Creating a Holistic View Over Process Documentation -- Process Fragmentation: An Ontological Perspective -- Identifying and Quantifying Visual Layout Features of Business Process Models -- Quality and Security Issues -- Identifying Quality Issues in BPMN Models: An Exploratory Study -- Modeling and Reasoning About Information Quality Requirements in Business Processes -- From Secure Business Process Models to Secure Artifact-Centric Specifications -- New Areas for BPMDS -- PROtEUS: An Integrated System for Process Execution in Cyber-Physical Systems -- Fundamental Issues in Modeling -- Applying Predicate Abstraction to Abstract State Machines -- Implementation and First Evaluation of a Molecular Modeling Language -- Requirements and Regulations -- Analyzing Variability of Cloned Artifacts: Formal Framework and Its Application to Requirements -- Solving Semantic Disparity and Explanation Problems in Regulatory Compliance- A Research-In-Progress Report with Design Science Research Perspective -- Enterprise and Software Ecosystem Modelling -- On the Support of Automated Analysis Chains on Enterprise Models -- Designing Software Ecosystems: How Can Modeling Techniques Help? -- Information and Process Model Quality -- Dealing with Information Quality Requirements -- Understanding Model Quality Concerns When Using Process Models in an Industrial Company -- Meta-modeling and Domain Specific Modeling and Model Composition -- Towards Metamodelling-In-The-Large: Interface-Based Composition for Modular Metamodel Development -- Towards Static Analysis of Executable DSMLs Using Model Typing -- Modeling of Architecture and Design -- Real-Time Design Patterns: Architectural Designs for Automatic Semi-Partitioned and Global Scheduling -- A Generic Traceability Framework for Model Composition Operation -- Novel Applications of Modeling -- Applying Predicate Abstraction to Abstract State Machines -- A Workaround Design System for Anticipating, Designing, and/or Preventing Workarounds -- An Evaluation of an Enhanced Model Driven Approach for Computer Game Creation.

Sommario/riassunto

This book contains the refereed proceedings of the 16th International Conference on Business Process Modeling, Development and Support, BPMDS 2015, and the 20th International Conference on Exploring Modeling Methods for Systems Analysis and Design, EMMSAD 2015, held together with the 27th International Conference on Advanced Information Systems Engineering (CAiSE 2015) in Stockholm, Sweden, in June 2015. The 17 full papers accepted for BPMDS were selected from 43 submissions and cover a wide spectrum of issues related to business process development, modeling, and support. They are grouped into topical sections on enabling value creation, human-centric paradigms, mining for processes, declarative approaches, understanding and sharing, quality and security issues, and new areas for BPMDS. The 12 full and three short papers accepted for EMMSAD were chosen from 33 submissions and focus on exploring, evaluating, and enhancing modeling methods and methodologies for the analysis and design of information systems, enterprises, and business processes. They are grouped into topical sections on fundamental issues in modeling, requirements and regulations, enterprise and software ecosystem modeling, information and process model quality, meta-modeling and domain-specific modeling and model composition,

modeling of architecture and design, and novel applications of modeling.
