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Nota di contenuto	Privacy and Security -- Towards an Ecosystem of Domain Specific Languages for Threat Modeling -- Privacy-aware Process Performance Indicators: Framework and Release Mechanisms -- P-SGD: A Stochastic Gradient Descent Solution for Privacy-preserving During Protection Transitions -- Natural Language Processing and Text -- Extracting Semantic Process Information from the Natural Language in Event Logs -- Data-driven Annotation of Textual Process Descriptions based on Formal Meaning Representations -- A NLP-based architecture for the autocompletion of partial domain models -- Process Discovery -- Learning of Process Representations Using Recurrent Neural Networks -- Extracting Process Features From Event Logs To Learn Coarse-Grained -- Simulation Models -- All That Glitters Is Not Gold: Towards Process Discovery Techniques with Guarantees -- Patterns -- Reusable Abstractions and Patterns for Recognising compositional conversational flows -- Design Patterns for Board-based Collaborative Work Management Tools -- ADaMaP: Automatic Alignment of Data Sources using Mapping Patterns -- Data and Task Management -- A Metadata Model to Connect Isolated Data Silos and Activities of the CAE Domain -- Challenges and Perils of Testing Database Manipulation Code --

Semi-Contingent Task Durations: Characterization and Controllability
-- Constraint Modelling -- Referential Integrity under Uncertain Data
-- Uniqueness Constraints on Property Graphs -- Refining Case Models
Using Cardinality Constraints -- Process Understanding -- Digging for
Gold in RPA Projects - A Quantifiable Method to Identify and Prioritize
Suitable RPA Process Candidates -- A Rule-based Recommendation
Approach for Business Process Modeling -- Sketch2BPMN: Automatic
Recognition of Hand-drawn BPMN Models -- Theory Development and
Use -- Requirements Elicitation via Fit-Gap Analysis: A View through
the Grounded Theory Lens -- Lambda+, the renewal of the Lambda
Architecture: Category Theory to the rescue -- Category Theory
Framework for Variability Models with Non-Functional Requirements --
Platforms and Architectures -- Comparing Digital Platform Types in the
Platform Economy -- Remodularization of Enterprise Systems for IoT --
Data and Cloud Polymorphic Application Modelling in Multi-clouds and
Fog Environments -- Models, Methods and Tools -- A Multi-label
Propagation Community Detection Algorithm for Dynamic Complex
Networks -- Comparing UML-based and DSL-based Modeling from
Subjective and Objective Perspectives -- On the Development of
Enterprise-Grade Tool Support for the DEMO Method -- Novel
Applications -- Cut to the Trace! Process-Aware Partitioning of Long-
Running Cases in Customer Journey Logs -- A Multi Case Study on
Legacy System Migration in the Banking Industry -- A Reference
Architecture for IoT-enabled dynamic planning in Smart Logistics. .

Sommario/riassunto

This book constitutes the proceedings of the 33rd International Conference on Advanced Information Systems Engineering, CAiSE 2021, which was held online during June 28-July 2, 2021. The conference was planned to take place in Melbourne, Australia, and changed to an online format due to the COVID-19 pandemic. The papers included in these proceedings focus on intelligent information systems and deal with novel approaches to IS engineering; models, methods and techniques in IS engineering; architectures and platforms for IS engineering; and domain specific and multi-aspect in IS engineering. .
