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Nota di contenuto	Part 1: Modeling Approaches & Applications -- Chapter 1: The DECENT Software Modeling Toolkit to Design Decentralized Governance Models -- Chapter 2: Integrating Modeling Approaches for the Extended Enterprise: A Tailored Method for a Case Study Research -- Chapter 3: Service Capability Framework - Integrated Capital Utilization: Case of the Hotel Industry in Japan -- Chapter 4: IA4CM: An Intelligence Augmentation Approach for Designing Domain-Specific Conceptual Modeling Methods -- Part 2: Enhance Modeling Capabilities -- Chapter 5: ADoy! On Dynamically Integrating ADOxx and Alloy -- Chapter 6: Logical Rules for the Verification of Business Process Diagrams -- Chapter 7: ADONudge: A Digital Nudging Design and Knowledge Externalization Approach -- Chapter 8: Design Challenges in

Developing a Visual Modeling Tool for the ITLingo ASL Language with ADOxx Framework: The ITLingo-ASL-Modeler -- Part 3: IoT Modeling Applications -- Chapter 9: Fostering IoT Application Portability across different platforms: The X-IoT Modeling Tool -- Chapter 10: Modeling IoT Applications for Air Conditioning Facilities with MIoTA -- Chapter 11: The HESTIA Framework. From an Internet of Things to an Internet of Meaning -- Chapter 12: DeViLL: A Methodology to Orchestrate a Formal Method and its Tool to an IoT Integration Platform for Smart IoT Systems -- Part 4: Design Thinking and Conceptual Modeling -- Chapter 13: The Disruption of Customer-Facing Processes through IoT in the Construction Industry: Development of a Domain-Specific Conceptual Modeling Approach using Design Thinking with Scene2Model -- Chapter 14: Enhancing the Scene2Model Tool: A ResNet50Encoder-Based Add-On for Flexible Object Recognition in Design Thinking -- Chapter 15: Exploring Advanced Automation Methods and Tools in Industry and Agriculture using ADOxx as an Experimentation Environment -- Part 5: Low-code No-code -- Chapter 16: ADOxx Low-code No-code.

Sommario/riassunto

This third volume of the book series “Domain-Specific Conceptual Modeling” presents new application cases for domain-specific modeling languages and for the engineering of modeling languages and tools. All cases use the ADOxx metamodeling platform or toolkits from the Digital Innovation Environment, shared by the OMiLAB Community of Practice and available for open use. Through this platform, participants can share ideas and engage in an exploration process regarding model-based decision making, augmented intelligence, or model-driven systems engineering. All reported cases originate from research initiatives but are also suitable for teaching, demonstrations, or experimentation tooling that can be further expanded to better grasp the benefits of metamodeling and scripting of model-based functionalities. Each chapter result is elevated with the possibility to download the modeling tool and practically apply the theoretical concepts through case studies and examples provided by the author. In addition to describing novel domain-specific languages or language extensions for diverse purposes and levels of specificity, the book offers detailed instructions on how to build models in a particular application domain – including the management of Internet of Things facilities, decentralized governance, intelligence augmentation, and digital nudging strategies. Overall, the collection of works presented here will benefit experts and practitioners from both academia and industry, including members of the conceptual modeling community, as well as lecturers and students.