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Nota di contenuto	Conceptual Modeling Meets Artificial Intelligence and Data-Driven Decision Making (CMAI) 2020 -- How to Induce Trust in Medical AI Systems -- Towards Automated Support for Conceptual Model Diagnosis and Repair -- Superimposition: Augmenting Machine Learning Outputs with Conceptual Models for Explainable AI -- Evaluating Tree Explanation Methods for Anomaly Reasoning: A Case Study of SHAP TreeExplainer and TreeInterpreter -- Conceptual Modeling for Life Sciences (CMLS) 2020 -- The Importance of the Temporal Dimension in Identifying Relevant Genomic Variants: a Case Study -- Towards the Generation of a Species-Independent Conceptual Schema of the Genome -- Conceptual Human Emotion Modeling (HEM) -- Towards an Ontology for Tertiary Bioinformatics Research Process -- Using BioPAX-Parser (BiP) to annotate lists of biological entities with pathway data -- Relational Text-type for Biological Sequences -- Conceptual Modeling, Ontologies and (Meta)data Management for Findable, Accessible, Interoperable and Reusable (FAIR) Data (CMOMM4FAIR) 2020 -- Mapping the Web Ontology Language to the OpenAPI Specification -- Evaluating FAIRness of Genomic Databases --

Reusable FAIR Implementation Profiles as Accelerators of FAIR
Convergence -- Conceptual Modeling for NoSQL Data Stores
(CoMoNoS) 2020 -- Deimos: A Model-based NoSQL Data Generation
Language -- Managing Physical Schemas in MongoDB Stores -- JSON
Schema Inference Approaches -- Empirical Methods in Conceptual
Modeling (EmpER) 2020 -- Empirical evaluation of a new DEMO
modelling tool that facilitates model transformations -- Acquiring and
sharing the monopoly of legitimate naming in organizations, an
application in conceptual modeling -- Replicability and Reproducibility
of a Schema Evolution Study in Embedded Databases -- Challenges in
Checking JSON Schema Containment over Evolving Real-World Schemas
-- Experimental practices for measuring the intuitive comprehensibility
of modeling constructs: an example design.

Sommario/riassunto

This book constitutes the refereed proceedings of five workshops
symposia, held at the 39th International Conference on Conceptual
Modeling, ER 2020, which were supposed to be held in Vienna, Austria,
in November 2020, but were held virtually due to the COVID-19
pandemic instead. The 20 papers promote and disseminate research on
theories of concepts underlying conceptual modeling, methods and
tools for developing and communicating conceptual models,
techniques for transforming conceptual models into effective
implementations, and the impact of conceptual modeling techniques on
databases, business strategies and information systems. The following
workshops are included in this volume: First Workshop on Conceptual
Modeling Meets Artificial Intelligence and Data-Driven Decision Making
(CMAI); First International Workshop on Conceptual Modeling for Life
Sciences (CMLS); Second Workshop on Conceptual Modeling, Ontologies
and (Meta)data Management for Findable, Accessible, Interoperable and
Reusable (FAIR) Data (CMOMM4FAIR); First Workshop on Conceptual
Modeling for NoSQL Data Stores (CoMoNoS); and Third International
Workshop on Empirical Methods in Conceptual Modeling (EmpER).
