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Titolo	Free, fair, and alive : the insurgent power of the commons / / David Bollier, Silke Helfrich
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Nota di contenuto	<p>Part one. The commons as a transformative perspective. Commons and commoning -- (Commoning is everywhere, but widely misunderstood -- What island is not a commons -- Commons in real life: Zaatar Refugee Camp ; Buurtzorg Nederland ; WikiHouse ; Community Supported Agriculture ; Guifi.net -- Understanding commons holistically in the wild) -- The OntoShift to the commons -- (The window through which we see the world -- The OntoStory of the modern West -- OntoStories as a hidden deep dimension of politics -- The Nested-I and Ubuntu rationality: the relational ontology of the commons -- Complexity science and commoning -- Making an OntoShift to the commons) -- Language and the creation of the commons -- (Words, terms, and categories -- The tenacity of systems of opinion: the harmony of illusions -- Language and world-making -- Frames, metaphors, and the terms of our cognition -- Language evokes and sustains a worldview -- Keywords from a fading era -- Misleading binaries -- How commoning moves beyond the open/closed binary -- Glossary of commons-friendly terms).</p> <p>Part two. The triad of commoning: Principles and patterns -- A word of methodology. The social life of commoning -- (Cultivate shared purpose & values -- Ritualize togetherness -- Contribute freely -- Practice gently reciprocity -- Trust situated knowing -- Deepen communion with nature -- Preserve relationships in addressing conflicts -- Reflect on your peer governance) -- Peer governance</p>

through commoning -- (A few words about governance -- Patterns of peer governance -- Bring diversity into shared purpose -- On the origins of peer governance -- Create semi-permeable membranes -- Honor transparency in a sphere of trust -- Share knowledge generously -- Assure consent in decision making -- Sociocracy and consent-based decision making -- Rely on heterarchy -- Peer monitor & apply graduated sanctions -- Relationalize property --- Keep commons & commerce distinct -- Enclosures as a threat to commons -- Finance commons provisioning) -- Provisioning through commons -- (Make & use together -- Support care & decommodified work -- Share the risks of provisioning -- Contribute & share -- Varieties of allocation in a commons -- Pool, cap & divide up -- Pool, cap & mutualize -- Trade with price sovereignty -- Cecosesola, or how to ignore the market -- Use convivial tools -- Rely on distributed structures -- Creatively adapt & renew).

Part three. Growing the commonsverse. Rethinking property -- (Me, my freedom, and my property -- Property is relational -- Collective property as a counterpoint to individual property? -- Possession is distinct from property -- Custom as vernacular law -- Inalienability: a crucial concept for commoning -- Rediscovering the power of res nullius -- Property and the objectification of social relations) -- Relationalize property -- (Decommodifying a supermarket -- Why relationalize property? -- A platform designed for collaboration: federated wiki -- Neutralizing capital in the housing market: the Mietshauser Syndikat story -- Hacking property to help build commons -- Platform cooperatives -- Open source seeds -- Commoning mushrooms: the Iriaiken philosophy -- Building stronger commons through relationalized property -- Re-introducing meaning making into modern law) -- State power and commoning -- ("The state" and "the people" -- Equal under law, unequal in reality -- Some working notes on state power -- Beyond reform or revolution -- The power of commoning -- Revamping state power to support commoning: Catalyze & propagate ; Establish commons at the macroscale ; Provide infrastructures for commoning ; Create new types of finance for the commons -- Commons and subsidiarity -- What about fundamental rights guaranteed by the state?) -- Take commoning to scale -- (Charters for commoning -- Distributed ledgers as a platform for commoning -- A brief explanation of hash and hashchain, blockchain, and holochain -- Commons-public partnerships -- Commoning at scale).

Appendices. Notes on the methodology used for identifying patterns of commoning -- Visual grammar for the pattern illustrations -- Commons and commoning tools mentioned in this book -- Elinor Ostrom's eight design principles for successful commons and commoning tools.

Sommario/riassunto

Presents a foundational re-thinking of the commons--the self-organized social system that humans have used for millennia to meet their needs. Bollier and Helfrich offer a vision of a future beyond the dead-end binary of capitalism versus socialism. The authors cover the internal dynamics of commoning, how the commoning worldview opens up new possibilities for change, the role of language in reorienting our perceptions and political strategies, and seeing the potential for commoning everywhere. They provide a non-academic synthesis of contemporary commons and present a narrative: that we can be free and creative people, govern ourselves through fair and accountable institutions, and experience the aliveness of authentic human presence. --Adapted from publisher description.

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Nota di contenuto	Intro -- Preface -- Organization -- Abstracts of Keynote Talks -- Information Science Research with Large Language Models: Between Science and Fiction -- The Power of Information Systems Shaping the Future of the Automotive Industry -- BPM in the Era of AI and Generative AI: Opportunities and Challenges -- Contents - Part I -- Contents - Part II -- Data and Information Management -- Unified Models and Framework for Querying Distributed Data Across PolyStores

-- 1 Introduction -- 2 Motivating Example -- 3 Our Proposed Framework -- 3.1 Problem Statement -- 3.2 An Overview of the Framework -- 4 Experiments -- 4.1 Datasets -- 4.2 Developed Framework Modules -- 4.3 Experimental Setup and Protocol -- 4.4 Evaluation of Our Framework Adaptability -- 4.5 Evaluation of Our Framework with Data Volume -- 5 Related Work -- 6 Conclusion -- References -- Enabling Interdisciplinary Research in Open Science: Open Science Data Network -- 1 Introduction -- 2 Related Works -- 3 Open Science and Information Exchange -- 3.1 Formal Notation -- 3.2 Interoperability and Information Exchange -- 3.3 Open Science Information Exchange Quantitative Assessment -- 4 Proposition: The Open Science Data Network -- 4.1 Information Exchange and Interoperability in OSDN -- 4.2 Scalability - Robustness of OSDN -- 5 Experiments -- 5.1 OSDN Network POC -- 5.2 Use Case - An Agronomic Research Project -- 6 Conclusion -- References -- TD-CRESTS: Top-Down Chunk Retrieval Based on Entity, Section, and Topic Selection -- 1 Introduction -- 2 Related Work -- 3 Our Proposal -- 3.1 Contexts Preparation -- 3.2 Text Chunk Retrieval -- 4 Results and Discussion -- 4.1 Experimental Setup -- 4.2 Datasets -- 4.3 Metrics -- 4.4 Experiments -- 5 Conclusion -- References -- Conceptual Modelling and Ontologies -- An Ontology-Driven Solution for Capturing Spatial and Temporal Dynamics in Smart Agriculture. 1 Introduction -- 2 State of the Art -- 3 AGROTS Ontology -- 4 Creating the Knowledge Base -- 5 Ontology Evaluation -- 5.1 Validation Step -- 5.2 Verification Step -- 6 System Architecture -- 7 Conclusions and Future Improvements -- References -- A Knowledge Graph-Based Decision Support System for Resilient Supply Chain Networks -- 1 Introduction -- 2 Related Work -- 3 Methodology -- 4 Challenge of Designing Resilient Supply Chain Networks -- 5 Knowledge Graph Schema for Resilient Supply Chain Networks -- 6 Implementation of the Knowledge Graph Schema for RASSA -- 6.1 Instances -- 6.2 Automatic Reasoning for Manufacturing Risk -- 6.3 Automatic Reasoning for Supply Risk -- 6.4 Automatic Reasoning for Total Risk Propagated Per Supply Chain Node -- 6.5 Automatic Reasoning for Value at Risk -- 7 Findings and Discussion -- 8 Conclusion and Outlook -- References -- A Conceptual Model of Digital Immune System to Increase the Resilience of Technology Ecosystems -- 1 Introduction -- 2 Approach -- 3 Background and Requirements Towards Digital Immune System -- 3.1 ISO 22301: 2019 -- 3.2 ISO/IEC 27001:2022 -- 3.3 The NIST Cybersecurity Framework -- 3.4 European Union Initiatives -- 4 Challenges of IT Resilience, Business Continuity and Managing Techniques -- 4.1 Challenges of IT Resilience and Business Continuity -- 4.2 The Techniques for Monitoring and Managing the Resilience -- 5 Framework and Evaluation -- 5.1 Framework for the Evaluation of Digital Immune System -- 5.2 Case Study -- 6 Discussion and Conclusion -- References -- Requirements and Architecture -- Dealing with Emotional Requirements for Software Ecosystems: Findings and Lessons Learned in the PHArA-ON Project -- 1 Introduction -- 2 The PHArA-ON Project -- 3 A Process for Engineering Emotional Requirements. 4 Applying the Process for Engineering the Emotional Requirements for the PHArA-ON Ecosystem -- 5 Findings and Lessons Learned -- 6 Related Work -- 7 Conclusions and Future Work -- References -- A Tertiary Study on Quality in Use Evaluation of Smart Environment Applications -- 1 Introduction -- 2 Background -- 3 The Tertiary Study -- 3.1 Planning: Research Protocol -- 3.2 Execution -- 4 Discussion of the Results -- 4.1 RQ1. What Are the Most Common Evaluation

Approaches for QinU? -- 4.2 RQ2: What Are the Most Evaluated Types of Systems? -- 4.3 RQ3: Which Quality Characteristics Were the Most Evaluated? -- 5 Threats to Validity -- 6 Final Remarks -- References -- A Reference Architecture for Dry Port Digital Twins: Preliminary Assessment Using ArchiMate -- 1 Introduction -- 2 Methodology -- 3 Literature Review -- 3.1 Digital Twins in Ports -- 3.2 Foundations of Enterprise Architecture -- 3.3 How EA Shapes the Current Advances of Smart Spaces -- 4 Dry Port Digital Twin Architecture -- 4.1 Key Applications -- 4.2 Requirements Identification -- 4.3 Preliminary TO-BE Architecture -- 4.4 Summative Evaluation of the Dry Port Digital Twin Architecture -- 5 Conclusion -- References -- Business Process Management -- Enhancing the Accuracy of Predictors of Activity Sequences of Business Processes -- 1 Introduction -- 2 Related Work -- 3 Daemon Action Approach -- 4 Experiment Design -- 4.1 Questions -- 4.2 Datasets -- 4.3 Experiment Setup -- 5 Results -- 6 Discussion -- 7 Conclusion and Future Work -- References -- Which Legal Requirements are Relevant to a Business Process? Comparing AI-Driven Methods as Expert Aid -- 1 Motivation -- 2 Approach -- 2.1 Analyzed Aspects -- 2.2 Method Analysis -- 3 Implementation -- 3.1 Expert Analysis -- 3.2 SOTA NLP LIR -- 3.3 GPT-4 -- 4 Evaluation -- 4.1 Results -- 4.2 Comparison -- 5 Discussion -- 5.1 Implications. 5.2 Limitations -- 6 Related Work -- 7 Conclusion -- References -- Conversational Systems for AI-Augmented Business Process Management -- 1 Introduction -- 2 Background on Conversational Systems -- 3 Search Protocol -- 4 Descriptive Process Analytics -- 5 Predictive Process Analytics -- 6 Prescriptive Process Optimization -- 7 Augmented Process Execution -- 8 Related Work -- 9 Threats to Validity and Concluding Remarks -- References -- Data and Process Science -- TimeFlows: Visualizing Process Chronologies from Vast Collections of Heterogeneous Information Objects -- 1 Introduction -- 2 Literature Review -- 3 Research Method -- 3.1 Interviewee Groups -- 3.2 Semi-structured Interviews -- 4 Constructing Process Chronologies -- 4.1 Situationalized Process Chronologies -- 4.2 Identified Relations Used in Document Analysis -- 5 Visualizing TimeFlows -- 5.1 TimeFlows to Visualize Process Chronologies -- 5.2 An Illustrative Example -- 6 Further Research: Challenges -- 7 Conclusion -- References -- Imposing Rules in Process Discovery: An Inductive Mining Approach -- 1 Introduction -- 2 Related Work -- 3 Motivating Examples -- 4 Preliminaries -- 5 Inductive Miner with Rules (IMr) -- 5.1 The Set of Rules -- 5.2 Candidate Cuts Pruning -- 6 Evaluation -- 6.1 Real-Life Event Logs -- 6.2 Case Study UWV -- 7 Open Challenges -- 8 Conclusion -- References -- An Approach for Discovering Data-Driven Object Lifecycle Processes -- 1 Introduction -- 2 Fundamentals -- 3 Proposed Approach -- 4 Object Lifecycle Process Discovery -- 4.1 Discovering Object Behavior on State Level -- 4.2 Discovering Object Behavior on Step Level -- 4.3 Algorithm Selection -- 4.4 Combining State and Step Level -- 5 Evaluation -- 5.1 Scenario 1: Human Resource Management -- 5.2 Scenario 2: E-Learning (Phoodle) -- 5.3 Scenario 3: SAP Procure-to-Pay -- 5.4 Footprint Comparison. 5.5 Threats to Validity -- 6 Related Work -- 7 Summary and Outlook -- References -- Security -- US4USec: A User Story Model for Usable Security -- 1 Introduction -- 2 Research Method -- 3 Identifying Best Practices for Constructing the US4USec Model via an SLR -- 4 Deriving Key Requirements for Constructing the US4USec Model -- 5 Constructing the US4USec Model -- 6 Evaluating the US4USec Model -- 7 Threats to Validity -- 8 Conclusion and Future Work -- References -- Do Cialdini's Persuasion Principles Still Influence Trust and Risk-Taking When Social Engineering is Knowingly Possible? -- 1 Introduction -- 2

Methodology -- 2.1 Recruitment and Data Collection -- 2.2 Measures -- 2.3 Data Analysis -- 3 Results -- 3.1 Descriptive Statistics -- 3.2 Impact of Cialdini's Persuasion Principles on App Installation and Trust -- 3.3 Security Attitude Vs. Risk Taking and Trust Under Cialdini's Principles -- 4 Discussion -- 5 Conclusion -- References -- Classifying Healthcare and Social Organizations in Cybersecurity Profiles -- 1 Introduction -- 2 Background -- 2.1 Definitions -- 2.2 Prior Studies -- 2.3 Cybersecurity Measures -- 3 Methodology -- 3.1 Data Collection -- 3.2 Classification Approach for RQ1 -- 3.3 ANOVA Approach for RQ2 -- 4 Results -- 4.1 Classification of Healthcare and Social Organizations (RQ1) -- 4.2 Differences Between the Cybersecurity Profiles (RQ2) -- 5 Discussion -- 5.1 Scientific Contributions -- 5.2 Practical Implications -- 5.3 Research Limitation and Future Research Directions -- 6 Conclusion -- References -- Sustainability -- A Reference Architecture for Digital Product Passports at Batch Level to Support Manufacturing Supply Chains -- 1 Introduction -- 2 Towards Sustainable Manufacturing Supply Chains -- 3 Component-Based Digital Product Passport -- 3.1 Architectural Analysis of Manufacturing Supply Chain.

3.2 DPP Information Model and Requirements.

Sommario/riassunto

This book constitutes the proceedings of the 18th International Conference on Research Challenges in Information Sciences, RCIS 2024, which took place in Guimarães, Portugal, during May 2024. The scope of RCIS is summarized by the thematic areas of information systems and their engineering. The 25 full papers, 12 Forum and 5 Doctoral Consortium papers included in these proceedings were carefully reviewed and selected from 100 submissions. They were organized in topical sections as follows: Part I: Data and information management; conceptual modelling and ontologies; requirements and architecture; business process management; data and process science; security; sustainability; evaluation and experience studies Part II: Forum papers; doctoral consortium papers.
