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Soggetti	Information technology - Management Business information services Technological innovations Data mining Software engineering Computer Application in Administrative Data Processing IT in Business Innovation and Technology Management Data Mining and Knowledge Discovery Software Engineering Sistemes d'informació per a la gestió Negocis Processament de dades Congressos Llibres electrònics
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Nota di contenuto	Information System Development -- Challenges of Low-Code/No-Code Software Development: A Literature Review -- Ex-Post Evaluation of

Data-Driven Decisions: Conceptualizing Design Objectives -- Designing XML Schema Inference Algorithm for Intra-Enterprise Use -- Modeling Methods and Assistance -- Endurant Ecosystems: Model-based Assessment of Resilience of Digital Business Ecosystems -- A Case Study on itsVALUE to Evaluate its Method, Notation and ADOxx Modeller -- Retrospective Considerations on Data Flow and Performer Modeling in Business Process Diagrams -- Towards AI-Enabled Assistant Design through Grassroots Modeling: Insights from a Practical Use Case in the Industrial Sector -- Applications and Technologies -- Analytics in Industry 4.0: Investigating the Challenges of Unstructured Data -- Are We Speaking the Same Language? An Analysis of German and Chinese Local Shopping Platforms -- Will Mobile Payment Change Germans' Love of Cash? A Comparative Analysis of Mobile Payment, Cash and Card Payment in Germany -- Digital Business -- Drawing Attention on (Visually) Competitive Online Shopping Platforms – An Eye-Tracking Study Analysing the Effects of Visual Cues on the Amazon Marketplace -- The Use of Mixed-reality Sport Platforms in Social Media Sentiment Analysis during COVID-19 -- Characterizing Maturity of Digital Transformation in Organizations - A Socio-technical Framework -- User Journey Map as a Method to Extrapolate User Experience Knowledge from User Generated Reviews. .

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### Sommario/riassunto

This book constitutes the proceedings of the 21st International Conference on Perspectives in Business Informatics Research, BIR 2022, which took place in Rostock, Germany, in September 2022. The central theme of BIR 2022 was “Business Informatics for Sustainable Innovation”. Achieving sustainability requires a multi-perspective approach taking organizational, economic, and technical aspects into account. In a world of cloud computing, social networks and big data, additional challenges for business informatics and the design of information systems architectures are introduced. To deal with these challenges, a close cooperation of researchers from different disciplines such as information systems, business informatics, and computer science is required. The 14 papers presented in this volume were carefully reviewed and selected from 41 submissions. They were organized in topical sections as follows: Information system development; modeling methods and assistance; applications and technologies; and digital business.

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