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Nota di contenuto	Design-oriented Research for Society 5.0 (Theme Track) -- z-Commerce: A data-minimizing one-click checkout solution -- Enabling the Evaluation of Production Scheduling Algorithms in Complex Production Environments using Individually Deployable Scheduling Services -- Toward Cross-company Value Generation from Data: Design Principles for Developing and Operating Data Sharing Communities -- Neuro-Adaptive System to Evaluate Product Recommendations in the Context of E-Commerce -- Measuring the Actual Oce Workspace Utilization in a Desk Sharing Environment based on IoT Sensors -- Design of Systems Using Emerging Technologies -- Introduction to the Design of Systems Using Emerging Technologies Track -- Designing an Augmented Reality Authoring Tool to Support Complex Tasks. A Design Science Study using Cognitive Load Theory -- Human-Centered Artificial Intelligence (HCAI) -- Introduction to the Human-Centered Artificial Intelligence (HCAI) Track -- Giving DIAnA more TIME? Guidance for the Design of XAI- Based Medical Decision

Support Systems -- A Conceptual Model for Labeling in Reinforcement Learning Systems: A Value Co-Creation Perspective -- Healthcare Systems and Quality of Life -- Introduction to the Healthcare Systems and Quality of Life Track -- Guiding the development of interoperable health information systems: A conceptual IT governance framework -- Persuasive blood donation app design for individualist and collectivist cultures -- Innovation and Entrepreneurship -- Introduction to the Innovation and Entrepreneurship Track -- Scaling Sustainable Entrepreneurship for Impact: Design Knowledge for the Use of Digital Technologies -- Data Product Canvas - A visual inquiry tool supporting data product design -- Design Principles for National Innovation Agencies in Social Market Economies -- How To Invest In The Future Of Food: An Exploration Design Science Project -- Emerging DSR Methods and Processes -- Introduction to the Emerging DSR Methods and Processes Track -- Design Science Research: Progression, Schools of Thought and Research Themes -- Conducting Design Science Research in Society 5.0? An Explainable Artificial Intelligence Research Methodology -- DEKNOWSE { A DEsign KNOWledge SEArch Engine -- Empowering Recommender Systems in ITSM: A Pipeline Reference Model for AI-based Textual Data Quality Enrichment -- Education and DRS -- Introduction to the Education and DSR Track -- Inquiry Frameworks for Research Question Scoping in DSR: A realization for ChatGPT -- Design of an Augmented Reality App for primary school students which visualizes length units to promote the conversion of units -- Know the Knowledge of your Students: A Flexible Analytics Tool for Student Exercises -- Designing Pedagogical Conversational Agents for Achieving Common Ground -- Training Computational Thinking as a Key Skill Set for Design Science Researchers -- Human Safety and Cybersecurity -- Introduction to the Human Safety and Cybersecurity Track -- Designing Business Processes for Comprehensive Industrial IoT Security Management -- Co-Desing and Collective Creativity for Addressing Grand Challenges -- Introduction to the Co-Design and Collective Creativity for Addressing Grand Challenges Track -- What Does The Factory?s Suggestion Box Reveal? An analysis of the design capabilities of a train maintenance centre from its idea management system -- Operationalising Co-design: Development of an ICT platform to Facilitate Stakeholder Engagement in Water Sensitive Design -- Co-Designing a Visual Inquiry Tool -- Sustainability and Responsible Design -- Introduction to the Sustainability and Responsible Design Track -- A Mid-Range Theory for Designing Sustainable Safe Spaces of Immersive Learning Environments: A Design- Science Based Gamification Approach -- Designing User-Centric Explanations for Medical Imaging With Informed Machine Learning.

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### Sommario/riassunto

This book constitutes the proceedings of the 18th International Conference on Design Science Research in Information Systems and Technology, DESRIST 2023, which was held in Pretoria, South Africa, from May 31–June 2, 2023. The 29 full papers presented in this volume were carefully reviewed and selected from 81 submissions. The papers are organized in the following topical sections: Design-oriented Research for Society 5.0 (Theme Track); Design of Systems Using Emerging Technologies; Human-Centered Artificial Intelligence (HCAI); Healthcare Systems and Quality of Life; Innovation and Entrepreneurship; Emerging DSR Methods and Processes; Education and DRS; Human Safety and Cybersecurity; Co-Desing and Collective Creativity for Addressing Grand Challenges; and Sustainability and Responsible Design.

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