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Entrepreneurial Mindset in Manufacturing -- A Comparative Study on Manipulator Development in Multi-robotic Systems -- Evaluation System and efficient improvement of Reverse Logistics for Shared Bicycle -- Skeleton-based Fall Detection using Computer Vision -- Deep Regression Learning for Collaborative Electronically Assisted Astronomy -- A Deeping Learning based Framework and System for Effective Land Use Mapping -- Video and Audio Linkage in Recommender System -- Visual Design with Representation of Patterns Using Composition Graphs Group-based Collaborative Environments for Coastal Areas Monitoring -- Turning Human into 2D Virtual Character Using Real-Time Motion Capture -- Partnerships as a Means to Improve the Conditions for Achieving Sustainability in SMEs -- SmartOTP Solution for Small and Medium-Sized Businesses Championing electromobility with co-engineered services based on artificial intelligence and interdisciplinarity -- Exploring the Potential of Smart Streetlighting for Energy Efficiency and Cost Reduction on a Greener Campus -- The New Paradigm of Work from Home: An Exploratory Study in Thailand.

Sommario/riassunto	This book constitutes the proceedings of the 20th International Conference on Cooperative Design, Visualization, and Engineering, CDVE 2023, held in Palma de Mallorca, Spain, in October 2023. The 20 full papers and 6 short papers presented were carefully reviewed and selected from 62 submissions. The papers cover a wide application spectrum including architecture, engineering and construction (AEC), apace craft building, heavy industry, robotics, tourism, education, community building, medical supply industry, commerce.