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Nota di contenuto   Research Track -- CEESys: A Cloud-Edge-End System for Data Acquisition, Transmission and Processing Based on HiSilicon and OpenHarmony -- YOLO-IMF: An Improved YOLOv8 Algorithm for Surface Defect Detection in Industrial Manufacturing Field -- The Path Analysis of Applying VR Technology to University Ideological and Political Theory Courses -- Application of the Metaverse in Product Engineering - A Workshop for Identification of Potential Field of Action -- Application and Industry Track -- Carbon Neutrality in Smart Tech-Parks: Leveraging Metaverse and Energy Management Application -- Research on the Construction of Teaching Evaluation Model Based on

Big Data -- Short Paper Track -- CBDC - an Alternative to Cryptocurrency in the Metaverse an Indian Perspective -- Research on the Application of Metaverse Technology in the Field of Intelligent Transportation -- Metaverse Applications for Construction of Educational Digital Resources.

Sommario/riassunto	This book constitutes the refereed proceedings of the 19th International Conference on Metaverse, METAVERSE 2023, held in Honolulu, HI, USA, during September 23–26, 2023. The 9 full papers and 3 short papers included in this book were carefully reviewed and selected from 15 submissions. They were organized in topical sections as follows: answer set programming; metaverse engineering foundations and applications, with a focus on novel approaches for engineering requirements, design and architectures, testing, maintenance and evolution, model-driven development, software processes, metrics, quality assurance and new software economics models, search-based software engineering, benefiting day-to-day services sectors and derived through experiences, with appreciation to scale, pragmatism, transparency, compliance and/or dependability.