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Nota di contenuto	Management of physical asset: Problem and possible solutions applicable through use of Spatial web tools -- A review of blockchain based digital twins in the AEC sector in the context of application -- Data-based Assessment of the Resilience of Municipal Road Infrastructure as a Component of Sustainable Asset Management -- Where Project Governance and Sustainability Meet A Discussion on IPD Governance -- Structure Analysis of software solutions to find the most suitable project delivery model -- Subzone level demand control ventilation with fast occupancy adaptation to large spaces based on deep reinforcement learning -- 2D and 3D Thermal Transition Presentation of Temperature Spikes in Net Zero Energy -- Residential Test Facility -- A Driver Business Model Triple Layer Business Canvas

Sommario/riassunto

This book gathers the latest advances, innovations, and applications in the field of information technology in civil and building engineering, presented at the 20th International Conference on Computing in Civil and Building Engineering (ICCCBE), held in Montreal, Canada on August 25-28, 2024. It covers highly diverse topics such as BIM, construction information modeling, knowledge management, GIS, GPS, laser scanning, sensors, monitoring, VR/AR, computer-aided construction, product and process modeling, big data and IoT, cooperative design, mobile computing, simulation, structural health monitoring, computer-aided structural control and analysis, ICT in geotechnical engineering, computational mechanics, asset management, maintenance, urban planning, facility management, and smart cities. Written by leading researchers and engineers, and selected by means of a rigorous international peer-review process, the contributions highlight numerous exciting ideas that will spur novel research directions and foster multidisciplinary collaborations.
