Record Nr. UNINA9910841864003321 Creativity in the Age of Digital Reproduction: xArch Symposium // **Titolo** edited by Giancarlo Di Marco, Davide Lombardi, Mia Tedjosaputro Pubbl/distr/stampa Singapore:,: Springer Nature Singapore:,: Imprint: Springer,, 2024 **ISBN** 9789819706211 9789819706204 Edizione [1st ed. 2024.] Descrizione fisica 1 online resource (288 pages) Collana Lecture Notes in Civil Engineering, , 2366-2565; ; 343 Disciplina 720.2840285 Soggetti Buildings - Design and construction Architecture Mathematics Arts Architecture - Mathematics **Building Construction and Design** Mathematics in Art and Architecture Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Cellular Automata as Design Tools for Artificial Ecologies --Architectural Design under Pandemic of Today's AI: From Humancomputer Interaction (HCI) to Human-machine Conversation --Creativity at the Edge of Digital Reproduction -- Computing Analogue Interactive Installations -- UAV-based geometry data acquisition for building energy modelling. . Inspired by this symposium we would like to rethink and provide an Sommario/riassunto insight about the use of new technologies in architecture and design. The consideration spans over (but not limited to) computational design, virtual experience, digital fabrication, artificial intelligence and sustainability/environment. Readers of the proceedings will benefit from discussions on how adoption of new technologies can benefit the Construction Industry rather than just for the sake of leveraging new technologies. The book targets scholars and high-education level students, as well as Ph.D.s which research falls into the broad realm of

digital design.