1. Record Nr. UNINA9910556098403321 Autore Figoli Fabio Antonio Titolo Artificial intelligence in the design process: The Impact on Creativity and Team Collaboration Pubbl/distr/stampa Milan, : FrancoAngeli, 2022 Descrizione fisica 1 online resource (106 p.) Collana Serie di architettura e design Soggetti Artificial intelligence Furniture design Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Sommario/riassunto The book discusses how to include artificial intelligence (AI) systems in the early stages of the design process. Today designers need new tools capable of supporting them in dealing with the increasing project's complexity and empowering their performances and capabilities. Al systems appear to be powerful means to enhance designers' creativity. This assumption was tested in a workshop where sixteen participants collaborated with three AI systems throughout the creative phases of research, sketching, and color selection. Results show that designers can access a broader level of variance and inspiration while reducing the risk of fossilization by triggering lateral thinking through Algenerated data. Therefore, AI could significantly impact the creative phases of the design process if applied consciously. Being AI systems intelligent agents, the book treats the Human-Al collaboration as a collaboration between human agents, proposing a set of guidelines

helpful to achieving an efficient partnership with the machine.