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Titolo	Impact: design with all senses : proceedings of the Design Modelling Symposium 2019 // edited by Christoph Gengnagel, Olivier Baverel, Jane Burry, Mette Ramsgaard Thomsen, Stefan Weinzierl
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Descrizione fisica	1 online resource (801 pages)
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Soggetti	Engineering design Manufactures User interfaces (Computer systems) Industrial design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Geometric Degrees of Freedom and Non-Conventional Spatial Structural Forms -- An interactive Structural Optimization of Space Frame Structures using Machine Learning -- Application of Human-Machine Design Process to Tensile Structures -- Adaptive reuse of architectural heritage -- Parametric Framework for Solar Tensile Structures -- Simulating Natural Ventilation in Early Stage Design -- Behavioral Form Finding -- Holographic Construction -- Immersive Exhibition as Expanded Cinema: Augmenting Multisensory Experiences through Responsive Atmosphere.
Sommario/riassunto	This book reflects and expands on the current trend in the building industry to understand, simulate and ultimately design buildings by taking into consideration the interlinked elements and forces that act on them. Shifting away from the traditional focus, which was exclusively on building tasks, this approach presents new challenges in all areas of the industry, from material and structural to the urban scale. The book presents contributions including research papers and case studies, providing a comprehensive overview of the field as well as perspectives from related disciplines, such as computer science. The chapter authors were invited speakers at the 7th Symposium "Impact:

Design With All Senses”, which took place at the University of the Arts
in Berlin in September 2019.
