Blobitecture Waveform Architecture And Digital Design

BlobitectureContemporary Architecture and the Digital Design ProcessArchitectures of SoundThe Oxford Dictionary of ArchitectureTouching ArchitectureFlexible Forming for Fluid ArchitectureIEEE Instrumentation and Measurement Technology ConferenceIEEE Instrumentation and Measurement Technology Conference ProceedingsMaking DystopiaCognitive Radio TechnologyThe Record of the IEEE ... International Radar ConferenceProceedings of the ... IEEE Instrumentation and Measurement Technology ConferenceHigh Performance SystemsArchitecture and Construction [reprints of Papers from the Proceedings]International Conference on Radar MeteorologyApplied Laser Radar Technology IILaser Radar Technology and ApplicationsProceedingsComputer DesignMILCOM '97 John Kevin Waters Peter Szalapaj Michael Fowler James Stevens Curl Anthony Brand Arno Pronk James Stevens Curl Bruce A. Fette American Solar Energy Society. Architecture and Construction Division Gary W. Kamerman

from apartments that evolved through genetic manipulation to womblike office cubicles from a museum with layered and luminous skin to a house with walls that serve as thermodynamic organs from torso shopping bags to jellyfish barstools from blobjects to globjects to the

superblob bibitecture takes readers on a riveting tour of one of the most imaginative landscapes in contemporary architecture and industrial design jacket

contemporary architecture and the digital design process introduces the reader to new developments in the computer modelling of design form in contemporary architectural practice through a series of detailed case studies the book illustrates how evolving design practices use and exploit the potential of new computing technologies in a wide range of areas and application a central thesis of this book is that technology follows design demand rather than design adjusting to available new technology designers are not merely passive recipients of prescribed computing tools and techniques instead they are increasingly able to express their intuitive design ideas through the rational medium of computing the book features several contemporary building projects each of which introduces a range of cad and computing issues based upon the work of creative architectural and engineering design practices these include the offices of frank o gehry peter cook and colin fournier anthony hunt associates peter hubner szyskowitz kowalski and faulkner brown all these examples show what architects need to know and the skills they need to acquire to use advanced cad technology

architects are used to designing visually in order to expand their basic design tools this book explores the interactions between sound space hearing and architecture to this end the author uses contemporary and historic buildings and projects but also fictional philosophical and theoretical approaches the idea is not only to define sound as a source but also as an instrument of architectural space by introducing a metatheory of critical hearing designers are able to acoustically test their projects and contribute to their design with auditive input already at the design stage

with over 6 000 entries this is the most authoritative dictionary of architectural history available

this book is about perception emotion and affect in architecture how and why we feel the way that we do and the ways in which our surroundings and bodies contribute to this our experience of architecture is an embodied one with all our senses acting in concert as we move through time and space the book picks up where much of the critique of architectural aestheticism at the end of the twentieth century left off illustrating the limitations and potential consequences of attending to architecture as the visually biased practice which has steadily

become the status quo within both industry and education it draws upon interdisciplinary research to elucidate the reasons why this is counter productive to the creation of meaningful places and to articulate the embodied richness of our touching encounters a felt phenomenology is introduced as a more than visual alternative capable of sustaining our physical emotional and psychological well being by recognising the reciprocal and participatory relationship that exists between atmospheric affect and our phenomenological bodies we begin to appreciate the manifold ways in which we touch and are touched by our built environment as such touching architecture will appeal to those with an interest in architectural history and theory as well as those interested in the topic of atmospheres affect and embodied perception

this book on flexible formwork for fluid architecture is a multi faceted research that covers a broad field from design to material and technology and from history to future developments it offers a pragmatic approach that can be extended with more cases materials techniques and methods for fluid architecture and provides a better understanding of the main aspects of fluid architecture and to help them find the most suitable combinations of all aspects the book is a challenging experience with many new discoveries including two patents one on moulding of fluid surfaces and one on 3d printing of fibre reinforced ice it also features two world records the larges span 30 meters and the highest thin shell structure 30 5 meters in ice as well as a method for the construction of a fully laminated shell structure in insulated glass

in making dystopia distinguished architectural historian james stevens curl tells the story of the advent of architectural modernism in the aftermath of the first world war its protagonists and its astonishing almost global acceptance after 1945 he argues forcefully that the triumph of architectural modernism in the second half of the twentieth century led to massive destruction the creation of alien urban landscapes and a huge waste of resources moreover the coming of modernism was not an inevitable seamless evolution as many have insisted but a massive unparalled disruption that demanded a clean slate and the elimination of all ornament decoration and choice tracing the effects of the modernist revolution in architecture to the present stevens curl argues that with each passing year so called iconic architecture by supposed star architects has become more and more bizarre unsettling and expensive ignoring established contexts and proving to be stratospherically remote from the aspirations and needs of humanity in the elite world of contemporary architecture form increasingly follows finance and in a society in which the haves have more and more and the have nots are ever more

marginalized he warns that contemporary architecture continues to stack up huge potential problems for the future as housing costs spiral out of control resources are squandered on architectural bling and society fractures this courageous passionate deeply researched and profoundly argued book should be read by everyone concerned with what is around us its combative critique of the entire modernist architectural project and its apologists will be highly controversial to many but it contains salutary warnings that we ignore at our peril and it asks awkward questions to which answers are long overdue

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