Inspiration

Contemporary Design Methods in Architecture

5 About the Book

7 Introduction

cultural significance / globalization / specific vs. generic / design methodology / digital culture / didactics / emotional decisions in design processes

15 1 Primary Elements of Design

- Points

component assembly / point, line, surface / loss of gestalt quality / additive composition / visual effects / emergent effects

2 Primary Elements of Design

- Line to Surface

lines / emergent effects / optical illusions / surface composition / threedimensionality / two-dimensional subtraction / additive design / visual effects / optical illusion

51 3 Pattern Development

- Texture

axes / grids / patterns / ornamental patterns / textures / performative properties / spatial reliefs / pattern tectonics

69 4 Spatial Patterns

- Structure

texture vs. structure / spatial patterns / grids and matrix / formal entities / adapted modules / spatial modules

89 5 Compositions on Typography and Color

color palette / monochromatic use of color / color as concept / color effects / color theory / typography and architecture / psychological phenomena / composition theory / perception theory

119 6 Architectural Transformations

- Surface to Volume

non-physical space / space defined by surface / psychological phenomena / perception of space / virtual space / spatial perception vs. spatial design

153 7 Volumetric Alterations

generation of space / conceptuality / additive design / subtractive design / application of proportion theory / contextualization

187 8 Spatial Ornaments

ornament and crime / cultural and social context / mass customization / digital fabrication techniques / art and craftsmanship / narrative qualities / ornamental systems

205 9 Tracing, Mappping and Notation

tracing and drawing / design by trace / referencing by trace / notation / tracing the virtual / three dimensional trace / conceptualization

223 10 Folds and Foldings

fold as spatial philosophy / sculptural folding / folding dynamics / conceptual folds / constructing a fold / folding evolution / diagrammatic transformations

241 11 Parametric Design

definition / physical simulation / object-oriented programming / parametric modeling / material behavior

254 **Imprint**

people / chair for principles of architectural design / teachers / administrative staff

255 Authors

authors / guest authors

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photographers / architects

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participating students / design credits

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