Table of contents

p. 11 Preface
How is the design process evolving?

15 Introduction
Welcome to the Prompted Era

Understanding the present: how AI is changing architecture. An overview of current digital technologies reshaping design and construction
Part I

19 Chapter 1
The rise of architectural data

27 Chapter 2
Smart construction: Industry 4.0 and digital twins

33 Chapter 3
Capturing reality: photogrammetry, LiDAR, and 3d scanning

41 Chapter 4
From parametric design to generative intelligence

p. 49 Chapter 5
AI tools for architects: from text-to-image to code generation

55 Chapter 6
Robotics and adaptive manufacturing

63 Chapter 7
Web3 and blockchain in the built environment

71 Chapter 8
The metaverse as a design tool

79 Chapter 9
Summary: a fragmented but evolving ecosystem

Designing with intelligence: new processes and roles. How prompts, protocols, and AI systems change the way we design
Part II

87 Chapter 10
The prompt as a new design tool

95 Chapter 11
Architects as intelligence designers

101 Chapter 12
Collaborative design: distributed teams and token-based credits

109 Chapter 13
Smart contracts for construction

p. 115 Chapter 14
Simulation as a design sandbox

123 Chapter 15
Talking to machines: interfacing with robots

127 Chapter 16
From prompt to building: new possibilities and new risks

Building the infrastructure for prompted practice. What is needed behind the scenes to make AI-based architecture
Part III

135 Chapter 17
Decentralized data and the economy of datasets

141 Chapter 18
Autonomous agents in architecture.

149 Chapter 19
Confidential AI: sharing data utility without exposing the data

155 Chapter 20
The challenge of standards and interoperability

163 Chapter 21
Digital twins as platforms for evolution

171 Chapter 22
Digital built economy: tokenisation, blockchain and regulatory frontiers

Looking ahead: the future of AI and architecture. What kind of architectural practice might emerge from these changes?
Part IV

p. 183 Chapter 23
The architect as a curator of prompts

191 Chapter 24
Case studies: prompted construction in action

197 Chapter 25
AI ethics in architecture

203 Chapter 26
Designing the AI-integrated studio

209 Chapter 27
Future scenarios: autonomous construction and AI-driven cities

217 Chapter 28
Conclusions: building protocols for a new architectural intelligence

223 Glossary

229 Acknowledgment