

4

Editorial

Helen Castle

6

Introduction

Prologue for a History,
Theory and Future of
Patterns of Architecture
and Spatial Design

Mark Garcia

18

Patterns, Fabrics, Prototypes,
Tessellations

Alejandro Zaera-Polo

28

Parametric Patterns

Patrik Schumacher

42

Relentless Patterns:
The Immersive Interior

Mark Taylor

48

New Patterns in Urban Design

Brian McGrath and
Victoria Marshall

54

Tracing Change:
Patterns in Landscape
Architecture

Simon Swaffield

60

Geometry and New and
Future Spatial Patterns

Helmut Pottmann

66

Reductive Engineering Patterns:
An Interview with Hanif Kara

Mark Garcia

74

Biomimetic Patterns in
Architectural Design

Julian Vincent

82

Evolving Patterns:
Correlated Systems
of Interaction

Theodore Spyropoulos

88

Patterns in Performance-
Oriented Design:
An Approach towards Pattern
Recognition, Generation and
Instrumentalisation

Michael Hensel and
Achim Menges

94

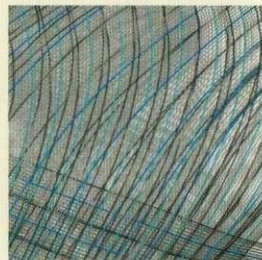
Pattern Deposition:
From Scripts to Applications

Mike Silver

100

Psychology and Perception of
Patterns in Architecture

Patricia A Rodemann



110+

Practice Profile

SAI Consultants

Brian McGrath

118+

Interior Eye

Hopkins Architects' Kroon Hall,
Yale University

Jayne Merkel

124+

Building Profile

Norfolk Park Green Homes,
Sheffield

David Littlefield

128+

Unit Factor

Head Banging:
Engineered Neutrality + the
Parametric Ceiling

Francesca Hughes

132+

Spiller's Bits

Basking in a World of
Your Own Making

Neil Spiller

134+

Yeang's Eco-Files

Designing for Disassembly (DfD)

Elma Durmisevic and

Ken Yeang

138+

Userscape

Futuristic Retail Spaces

Valentina Croci

142+

McLean's Nuggets

Will McLean