

Foreword

- 8 **The Age of Computational Brutalism**
by Mario Carpo

Introduction

- 10 **Architecture in the Age of Automation**
by Mollie Claypool, Manuel Jimenez Garcia,
Gilles Retsin, Vicente Soler

Chapter 1: Craft

- 22 **Craft**
by Mollie Claypool, Manuel Jimenez Garcia,
Gilles Retsin, Vicente Soler
- 30 **Chi-She, 2016**
Archi-Union Architects led by Philip Yuan
- 32 **Cyclopean Cannibalism, 2017**
Matter Design led by Brandon Clifford and
Wes McGee, with Quarra Stone
- 34 **Elytra Filament Pavilion, 2016**
Achim Menges with Moritz Dörstelmann
(ICD Stuttgart), Jan Knippers (ITKE Stuttgart)
and Thomas Auer (Transsolar Climate
Engineering, Stuttgart)

Chapter 2: Print

- 38 **Print**
by Mollie Claypool, Manuel Jimenez Garcia,
Gilles Retsin, Vicente Soler
- 48 **Digital Grotesque II, 2017**
Michael Hansmeyer and Benjamin Dillenburger
- 50 **Space-Truss Prototype, 2012**
Philippe Morel, XtreeE & EZCT Architecture &
Design Research
- 52 **Thallus, 2017**
ZHCODE, Zaha Hadid Architects, Ai Build,
Odico Formwork Robotics

Chapter 3: Assemble

- 56 **Assemble**
by Mollie Claypool, Manuel Jimenez Garcia,
Gilles Retsin, Vicente Soler
- 66 **Voxel Chair 1.0, 2017**
Manuel Jimenez Garcia and Gilles Retsin with
Vicente Soler, Design Computation Lab, UCL
- 68 **Rock Printing, 2015–2018**
Gramazio Kohler Research, ETH Zurich
- 70 **INT: Robotic Building Blocks, 2017**
Zoey Tan, Claudia Tanskanen, Qianyi Li,
Xiaolin Yin, Design Computation Lab,
The Bartlett School of Architecture, UCL

Chapter 4: Many

- 74 **Many**
by Mollie Claypool, Manuel Jimenez
Garcia, Gilles Retsin, Vicente Soler
- 84 **Semblr, 2017**
Ivo Tedbury, Unit 19/Design
Computation Lab, The Bartlett School
of Architecture
- 86 **Multi-species Robotic Fabrication
for Filament Structures: Towards a
Robotic Ecosystem, 2015**
by Maria Yablonina, Achim Menges
- 88 **A Swarm Robot Ecosystem for
Autonomous Construction, 2017**
Nathan Melebrink, Justin Werfel

Chapter 5: Diffuse

- 92 **Diffuse**
by Mollie Claypool, Manuel Jimenez
Garcia, Gilles Retsin, Vicente Soler
- 100 **HoaxUrbanism, 2017**
M. Casey Rehm, Studio Kinch
- 102 **RV Prototype House, 2012**
Greg Lynn, Greg Lynn FORM
- 104 **Common'hood, 2019**
Jose Sanchez, Plethora Project

Positions

- 108 **Towards an Artificial Architecture:
About Superintelligent Space**
by Philippe Morel
- 112 **Digital Fabrication, Materiality and Nostalgia**
by Antoine Picon

Appendix

- 119 **Authors**
- 121 **Contributors**
- 125 **Credits**
- 127 **Imprint**
- 128 **Acknowledgements**