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Nota di contenuto	Front matter -- CONTENTS -- Foreword / Collet, Carole -- Preface / Hovestadt, Ludger -- Introduction / Kretzer, Manuel -- Bioinspiration -- Quasiperiodic Near-Living Systems: Paradigms for Form-Language / Beesley, Philip -- Ecology beyond Nature / Pasquero, Claudia / Poletto, Marco -- Meteorosensitive Architectures / Menges, Achim / Reichert, Steffen / Krieg, Oliver David -- In[form]ations: Digital Matter on Buildings and Cities / Markopoulou, Areti -- Building Nature: On Sex and Ducks, Chicken and Shit, Architecture and Apples / Haw, Alex -- Conversation -- Materiability -- Domesticating a World of Printed Physics / Hovestadt, Ludger -- Beyond Performance / Kretzer, Manuel -- Adapting Matter / Decker, Martina -- Bioluminescence: Toward Design with Living Light / Burggraf, Nicola -- Smart Materials: Designing a Timescape of Interconnectivity for more Resilient Practices of Inhabitation / Mossé, Aurélie -- The Unconventional Electronics Approach to the Internet of Things / Sarik, John -- Conversation -- Intelligence -- Caught in the Act / Oosterhuis, Kas -- Spatial Computing in Interactive Architecture / Dulman, Stefan -- Polyomino: The Missing Topology Mechanic / Sanchez, Jose -- Architecture and Audience / Bruges, Jason -- Approaching Distributed Architectural Ecosystems / Jaskiewicz, Tomasz -- Conversation -- Outlook -- Adaptive Architecture: Low-Tech, High-Tech, or Both? / Kolarevic, Branko -- Postscript -- The Quickness of Matter, doped in its Polyalphabetic Textuality: or, The Articulation of Articles, beyond

Sommario/riassunto

In Zeiten, in denen der Begriff "Natur" im Kern seiner biologischen Materialität in Frage gestellt wird, müssen wir die Zusammenhänge zwischen Architektur und Natur neu überdenken. Dies betrifft nicht nur Strategien für einen verantwortlichen Umgang mit der Umwelt, sondern ebenso menschliches Verhalten und kulturelle oder demografische Varietät. Um diesen Herausforderungen zu begegnen, sollte man sich dem Unbekannten stellen und die Disziplin Architektur zu einer integrierten und interdisziplinären Praxis hin entwickeln. Das Buch präsentiert zukunftsweisende Design-Beschreibungen, erarbeitet von führenden Praktikern und Forschern, die nach neuen Verbindungen zwischen Architektur, Natur und Mensch für eine zukünftige, lebende Architektur suchen. Rund um die drei eng miteinander vernetzten Kernthemen "Bioinspiration", "Materiability" und "Intelligence" befasst sich das Buch mit dem Beginn eines neu entstehenden Design-Gebiets, in dem die Symbiose von Physik, Biologie, Informatik und Design die Neudefinition dessen verspricht, was wir heute als Architektur bezeichnen.

In times where the very concept of 'nature' is questioned not only in its philosophical dimension, but in the core of its biological materiality, we need to reconsider the interrelations between architecture and nature. This not only applies to strategies on environmental responsibility but equally on anticipatory human behavior and cultural or demographic variety. To address these challenges this book proposes to embrace the unknown and cultivate the architectural discipline towards an integrated and cross-disciplinary practice. It unravels compelling innovative and forward-thinking design narratives by leading international practitioners and researchers who investigate novel associations between architecture, nature and humanity for a future, alive architecture. Structured around the three closely cross-linked core themes "bioinspiration", "materiability", and "intelligence" the book engages with the starting point of an emerging new design field, where the symbiosis of physics, biology, computing and design promises the redefinition of what we call architecture today.
