

1. Record Nr.	UNINA9910588780803321
Autore	Imhof Barbara
Titolo	Co-Corporeality of Humans, Machines, & Microbes // ed. by Barbara Imhof, Daniela Mitterberger, Tiziano Derme
Pubbl/distr/stampa	Berlin/Boston, : De Gruyter, 2022 Basel : , : Birkhäuser, , [2022] ©2022
ISBN	3-0356-2588-3
Descrizione fisica	1 online resource (200 p.)
Collana	Edition Angewandte , , 1866-248X
Classificazione	ST 150
Soggetti	ARCHITECTURE / Study & Teaching
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Frontmatter -- Table of Contents -- Co-Structuring New Corpo-Realities -- Co-Corporeality: Responding, Observing and Sharing Knowledge -- Microbial Communication with Humans -- Co-Corporeality of/with Cyanobacteria -- A [Micro-]Companion to Symbiosis -- Visualising Microbial Activity: Colorimetric Signalling Using E. coli with pH-Indicators and Chromogenic Substrates -- Living Material Systems -- Bacterial Cellulose Experiments -- Intelligence of Living and Artificial Systems -- Facial Expression Recognition -- Eye-Gaze Tracking Technology -- E-Feed/er -- Degrees of Life -- Survival Perspectives on Cohabitation by Design -- GROVE: Open Systems for Living Architecture -- Rethinking the Common from Its Biological Roots -- Quo Vadis? Towards a More-Than-Human World -- Biographies and Acknowledgements
Sommario/riassunto	Co-Corporeality beruht auf der Hypothese, die gebaute Umwelt als biologische Einheit zu begreifen, die einen Raum der Koexistenz und Interaktion zwischen Menschen und mikrobiellem Leben eröffnet. Ausgehend von designgeleiteter Forschung wird ergründet, wie wir Umgebungen für eine Multispezies-Welt entwickeln können. Im Fokus steht die Handlungsfähigkeit menschlicher wie nicht menschlicher Akteure: Neue Sensortools ermöglichen die Beobachtung von und Interaktion zwischen diesen verschiedenen Akteuren. Co-Corporeality

verbindet Mikrobiologie, Materialwissenschaft, künstliche Intelligenz, Architektur. Im Zentrum steht die Frage, wie mikrobielle Aktivität neue protoarchitektonische Materialien schaffen kann, wie lebende Systeme in Architektur integriert werden und innerhalb verschiedener Zeitskalen kooperieren können.

The theory of Co-Corporeality is based on a conception of the built environment as a biological entity that opens up a space for coexistence and interaction between humans and microbial life. Based on design-led research, this book explores how we can develop environments for a multispecies world. It focuses on the agency of both human and nonhuman actors. New sensor tools enable observation of and interaction between these different actors. Co-Corporeality links microbiology to material science, artificial intelligence, and architecture. The focus is on how microbial activity can create new protoarchitectural materials, how living systems can be integrated into architecture and cooperate along different time scales.
