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XXL-XS: New Directions on Ecological Design (Paperback)

By -

ActarD Inc., United States, 2017. Paperback. Condition: New. Language: English . Brand New Book. Architecture must not only be functionally green, but its formal, conceptual and physical properties also need to constitute a novel and integrated living material system, one that can flourish within the larger world around it. XXL-XS represents the emerging discipline of ecological design by assembling a wide range of innovators with diverse interests. Geo-engineering, synthetic biology, construction site co-robotics, low-energy fabrication, up-cycling waste, minimally invasive design, living materials, and molecular self-assembly are just a few of the important advances explored in the book. At one extreme are massive public works, at the other, micro to nano-sized interventions that can have equally profound impacts on our world. From terraforming to bio-manufacturing, a whole new generation of designers is proposing unique ways of confronting the difficult challenges ahead. In this way design becomes a totality of relationships that affects all disciplines, which can no longer be thought of as self-contained fields, each handled separately by narrowly focused specialists. Globalization demands a restructuring of the profession, as we know it. This requires a new breed of generalists who can work across fields and engage research on multiple sites around the...



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