

1. Record Nr.	UNINA9910150343103321
Autore	Tibbits Skylar
Titolo	Self-Assembly Lab : experiments in programming matter // [compiled by] Skylar Tibbits
Pubbl/distr/stampa	Abingdon, Oxon ; ; New York, N.Y. : , : Routledge, , 2016
ISBN	1-138-91006-6 1-315-69361-5 1-317-43701-2
Descrizione fisica	1 online resource (254 pages)
Disciplina	620.112
Soggetti	Smart materials - Experiments Self-organizing systems - Experiments Self-assembly (Chemistry) - Experiments Manufacturing processes - Technological innovations - Experiments
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Ingredients-I : materials and geometry -- Ingredients-II : mechanics and interaction -- Ingredients-III : energy and entropy.
Sommario/riassunto	"What if structures could build themselves or adapt to fluctuating environments? Skylar Tibbits, Director of the Self-Assembly Lab in the Department of Architecture at MIT, Cambridge, MA, crosses the boundaries between architecture, biology, materials science and the arts, to envision a world where material components can self-assemble to provide adapting structures and optimized fabrication solutions. The book examines the three main ingredients for self-assembly, includes interviews with practitioners involved in the work and presents research projects related to these topics to provide a complete first look at exciting future technologies in construction and self-transforming material products"--Provided by publisher.