

1. Record Nr.	UNINA9910253969003321
Titolo	Robotic fabrication in architecture, art and design 2016. // Dagmar Reinhardt, Rob Saunders, Jane Burry
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2016] ©2016
ISBN	3-319-26378-1
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (487 p.)
Disciplina	629.892
Soggetti	Robotics User interfaces Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Robots at the Sagrada Família Basilica -- Psychaestenia Psycho-case Studies by New Territories/M4 -- Building a Bridge with Flying Robots -- Autonomous Robotic Assembly -- An Integrated Modeling and Tool pathing Approach for a Frameless Stressed Skin Structure -- Robotic Lattice Smock -- Robotic Multi-Dimensional Printing Based on Structural Performance -- Fabric Forms: Robotic Positioning of Fabric Formwork -- Path Planning for Robotic Artistic Stone Surface Production -- Towards a Micro Design of Acoustic Surfaces.
Sommario/riassunto	The book presents the proceedings of Rob/Arch 2016, the third international conference on robotic fabrication in architecture, art, and design. The work contains a wide range of contemporary topics, from methodologies for incorporating dynamic material feedback into existing fabrication processes, to novel interfaces for robotic programming, to new processes for large-scale automated construction. The latent argument behind this research is that the term 'file-to-factory' must not be a reductive celebration of expediency but instead a perpetual challenge to increase the quality of feedback between design, matter, and making.