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Titolo	Modelling Behaviour : Design Modelling Symposium 2015 / / edited by Mette Ramsgaard Thomsen, Martin Tamke, Christoph Gengnagel, Billie Faircloth, Fabian Scheurer
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ISBN	3-319-24208-3
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (538 p.)
Disciplina	620
Soggetti	Buildings - Design and construction
	Mechanics, Applied
	Solids
	Architecture
	Buildings
	Energy policy
	Energy and state
	Building Construction and Design
	Solid Mechanics
	Building Types and Functions
	Computer-Aided Engineering (CAD, CAE) and Design
	Energy Policy, Economics and Management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Modelling Aggregate Behaviour A Multiscale Adaptive Mesh Refinement Approach to Architectured Steel Specification in the Design of a Frameless Stressed Skin Structure Topology Optimisation for Steel Structural Design with Additive Manufacturing Challenges of Scale Modelling Material Behaviour of Additive-Manufactured Nodes Form-finding and Design Potentials of Bending-active Plate Structures Form-Finding of Architectural Membranes in a CAD-Environment Using the AiCAD-Concept Balancing Behaviours –Designing with

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	combinatorial equilibrium models Hybrid Tower, designing soft structures Integrating Differentiated Knit Logics and Pre-Stress in Textile Hybrid Structures Thermal Responsive Envelope: Computational Assembling Behavioural Composites by Additive and Subtractive Processes Formations of Energy: modelling toward an understanding of open thermodynamic systems Thinking Massively Parallel : Design Modelling Thermoactive Architecture The Architecture of the III-tempered Environment Designing the Desert revised.
Sommario/riassunto	This book reflects and expands on the current trend in the building industry to understand, simulate and ultimately design buildings by taking into consideration the interlinked elements and forces that act on them. This approach overcomes the traditional, exclusive focus on building tasks, while posing new challenges in all areas of the industry from material and structural to the urban scale. Contributions from invited experts, papers and case studies provide the reader with a comprehensive overview of the field, as well as perspectives from related disciplines, such as computer science. The chapter authors were invited speakers at the 5th Symposium "Modelling Behaviour", which took place at the CITA in Copenhagen in September 2015.