1.	Record Nr.	UNINA9910255205403321
	Titolo	The Active Image : Architecture and Engineering in the Age of Modeling / / edited by Sabine Ammon, Remei Capdevila-Werning
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
	ISBN	3-319-56466-8
	Edizione	[1st ed. 2017.]
	Descrizione fisica	1 online resource (317 pages) : illustrations
	Collana	Philosophy of Engineering and Technology, , 1879-7210 ; ; 28
	Disciplina	720.228
	Soggetti	Technology - Philosophy Architecture - History Engineering design Aesthetics Design Philosophy of Technology Architectural History and Theory Engineering Design
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di bibliografia	Includes bibliographical references at the end of each chapters.
	Nota di contenuto	Chapter 1: Reinhold Martin, Points of Departure: Notes Toward a Reversible History of Architectural Visualization -- Chapter 2: Daniel Cardoso Llach, Architecture and the Structured Image: Software Simulations as Infrastructures for Building Production -- Chapter 3: Remei Capdevila-Werning, Architectural Drawings as Symbols: A Goodmanian Account of Epistemic Practices in the Design Process -- Chapter 4: Gabriela Goldschmidt, Manual Sketching: Why is it Still Relevant? -- Chapter 5: Irene Mittelberg, Thomas H. Schmitz, Hannah Groninger, Operative Manufacts: Gestures as Immediate Sketches in the Early Stages of the Design Process -- Chapter 6: Rivka Oxman, The Role of the Image in Digital Design: Processing the Image versus Imaging the Process -- Chapter 7: Nathalie Bredella, Visualization Techniques and Computational Design Strategies: Reflecting on the Milieu and Agency of Digital Tools in 1990s Architecture -- Chapter 8: Sabine Ammon, Image-based Epistemic Strategies in Modeling:

Designing Architecture after the Digital Turn -- Chapter 9: Alice Comi, Suha Jaradat, Jennifer Whyte, Constructing Shared Vision in Design Practice: Material Mediation in Professional Work between Architects and Engineers -- Chapter 10: Mehul Bhatt, Carl Schultz, People-Centered Visuospatial Cognition. Next-generation Architectural Design Systems and their Role in Conception, Computing, and Communication -- Chapter 11: Johannes Lenhard, License to Explore: How Images Work in Simulation Modeling -- Chapter 12: Doris Hallama, On Fuzziness and Relationships: Abstraction and Illustrative Visualization in Snow Avalanche Control Planning.

| Sommario/riassunto | The "active image" refers to the operative nature of images, thus capturing the vast array of "actions" that images perform. This volume features essays that present a new approach to image theory. It explores the many ways images become active in architecture and engineering design processes and how, in the age of computer-based modeling, images play an indispensable role. The contributors examine different types of images, be they pictures, sketches, renderings, maps, plans, and photographs; be they analog or digital, planar or three-dimensional, ephemeral, realistic or imaginary. Their essays investigate how images serve as means of representing, as tools for thinking and reasoning, as ways of imagining the inexistent, as means of communicating and conveying information and how images may also perform functions and have an agency in their own. The essays discuss the role of images from the perspective of philosophy, theory and history of architecture, history of science, media theory, cognitive sciences, design studies, and visual studies, offering a multidisciplinary approach to imagery and showing the various methodologies and interpretations in current research. In addition, they offer valuable insight to better understand how images operate and function in the arts and sciences in general. |