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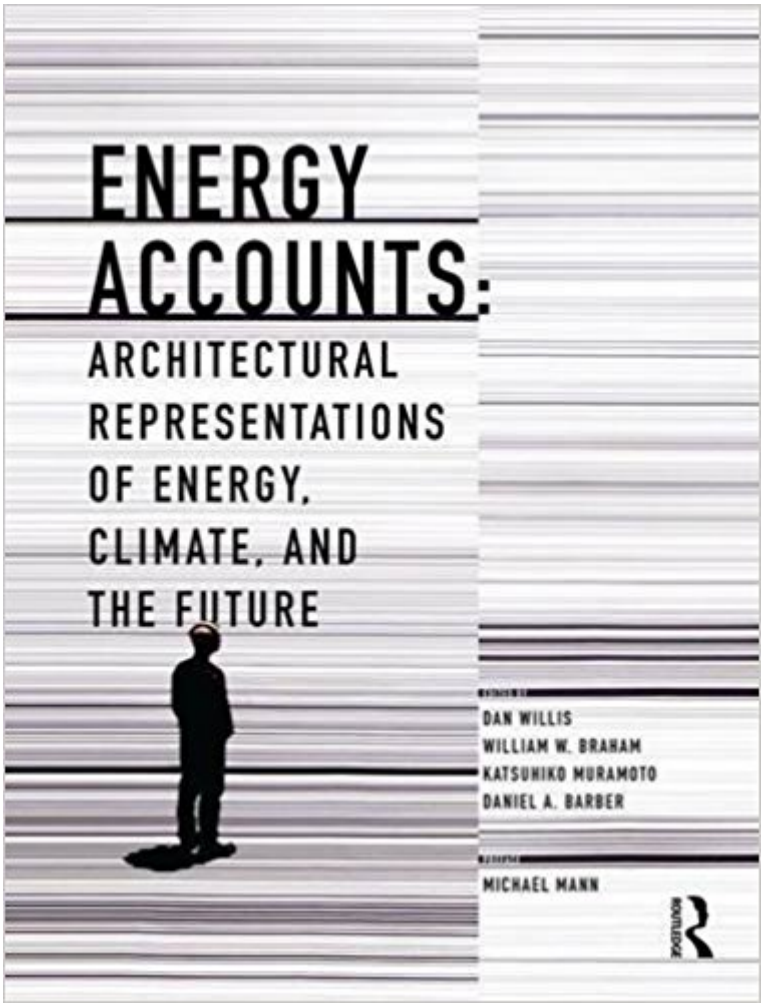
Energy Accounts: Architectural Representations Of Energy, Climate, And The Future



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Synopsis

How does one tell the story of energy production, use, or conservation in a manner sufficiently convincing to influence policy, behavior, and design? Energy Accounts explores potential answers to this question through compelling images, data visualizations, narratives, and other examples of accounting for energy. Organized into a collection containing both examples of best practices and critiques, this impressive array of projects and contributors combines text and graphic material to explore different representations of energy data. Including work from Kieran Timberlake, SHoP, AMO, Lateral Office, WOHA, and many more, the book boasts a unique graphic design which supports and enhances its role as a valuable resource for professionals and students in architecture, engineering, and urban design.

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Customer Reviews

"In a culture of images, visual narratives are as important as arguments. Architects think with their eyes, and the authors of Energy Accounts are phenomenally qualified to present academic research and professional experiences on energy and climate with graphic eloquence. The contemporary dilemmas faced by buildings, cities and regions are comprehensively covered, and the book offers a pixellated portrait of the field which should influence both design and policy." - Luis FernÃƒÂ¡ndez-Galiano, Int FRIBA, is a Professor of Architecture, Universidad PolitÃƒÂ©cnica de Madrid Ã¢â ¬Å“The book offers an abundance of forward-thinking scholarship on many important issues. From big data to architecture to economics, there is a lot going on here of contemporary

relevance to disciplines across the sciences and humanities. The overarching topics, energy and climate, are timely, as are the multitude of interdisciplinary perspectives offered by the dozens of authors who contributed to the 32 essays. Key to the project are the visual aids: diagrams, graphs, charts, maps, photographs, figures, and data visualizations are interspersed throughout the essays. The images are not peripheral to the discussion: the authors use visual representations to tell their respective stories about energy and climate ... Both implicitly and explicitly, the volume makes a strong and convincing case for the value of visualizations in scholarly works. Highly recommended.Ã¢â ¬Â• - P. Gamsby, Memorial University, Choice Magazine, July 2017

Dan Willis is a practicing architect and Professor of Architecture at Penn State University. His research and writing focus on the intersection of architecture and technology. He is the author of The Emerald City and Other Essays on the Architectural Imagination, and co-editor and contributor to Architecture and Energy: Performance and Style. William W. Braham is a Professor of Architecture at the University of Pennsylvania. His recent publications include Architecture and Systems Ecology: Thermodynamic Principles for Environmental Building Design, in three parts (2015) and as co-editor of Architecture and Energy: Performance and Style (2013). Katsuhiko Muramoto is an Associate Professor of Architecture at Penn State University. His research focuses on cross-cultural issues between the West and Japan, twentieth-century Japanese architecture, theory of new media and digital mediation, cyber-enabled participatory collaboration, mobile augmented reality, and theories of architectural representation. Daniel A. Barber is an Assistant Professor of Architecture at Penn Design. He is an architectural historian with a research interest in the relationship between the design fields and the emergence of global environmental culture across theÃ Â twentieth century. He is a leading voice in the fieldÃ¢â ¬â„¢s increasing interest in environmental concerns on both historical and theoretical terms.

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