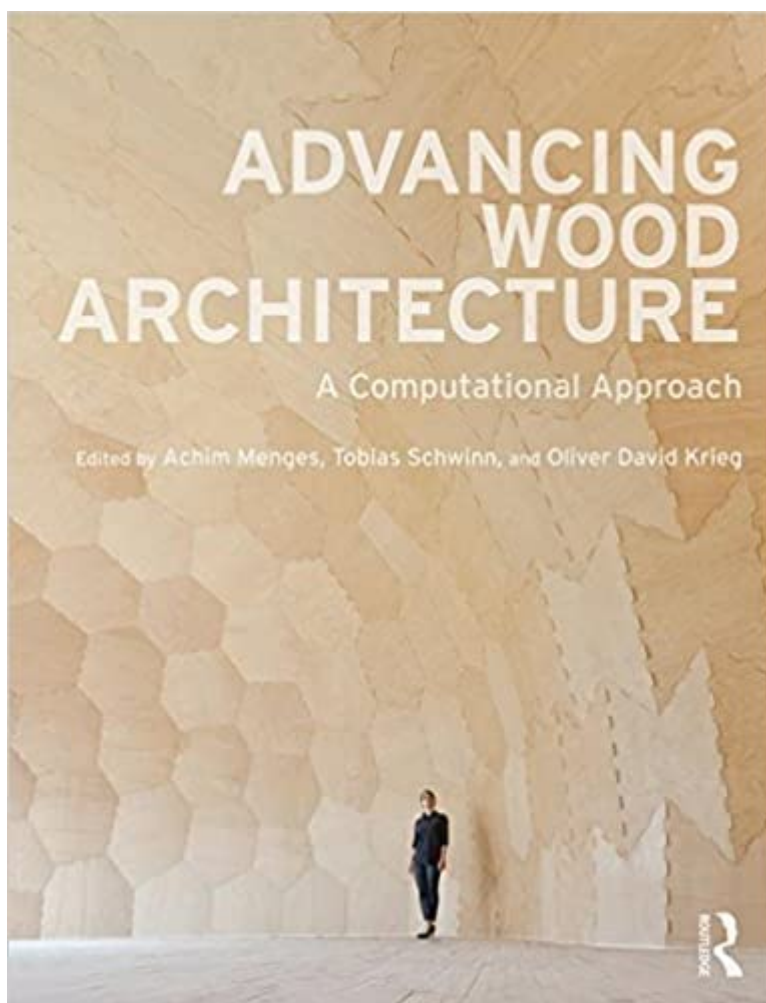


The book was found

Advancing Wood Architecture: A Computational Approach



Synopsis

In light of environmental challenges architecture is facing, wood is no longer regarded as outmoded, nostalgic, and rooted in the past, but increasingly recognized as one of the most promising building materials for the future. Recent years have seen unprecedented innovation of new technologies for advancing wood architecture. *Advancing Wood Architecture* offers a comprehensive overview of the new architectural possibilities that are enabled by cutting-edge computational technologies in wood construction. It provides both an overarching architectural understanding and in-depth technological information through built projects and the works of four leading design research groups in Europe. The projects presented include large scale, permanent buildings such as the ETH Arch-Tec Lab Building in Zurich, the Landesgartenschau Exhibition Hall near Stuttgart and the Boiler House in Hooke Park, UK, as well as, built research prototypes investigating additive robotic fabrication, folded plate structures and meteorosensitive building skins. Illustrated in full colour, the book showcases the latest technological developments in design computation, simulation and digital fabrication together with an architectural, engineering and manufacturing perspective, offering an outlook towards novel spatial and constructional opportunities of a material with unrivalled ecological virtues.

Book Information

Paperback: 258 pages

Publisher: Routledge; 1 edition (September 28, 2016)

Language: English

ISBN-10: 113893299X

ISBN-13: 978-1138932999

Product Dimensions: 7.5 x 0.8 x 9.8 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #533,969 in Books (See Top 100 in Books) #157 in [Books > Arts &](#)

[Photography > Architecture > Project Planning & Management](#) #243 in [Books > Engineering &](#)

[Transportation > Engineering > Reference > Architecture > Methods & Materials](#) #1456 in [Books](#)

[> Arts & Photography > Architecture > Buildings](#)

Customer Reviews

"This remarkable book showcases what architects could create with wood today using the latest computational design and robotic fabrication technologies. It features innovative wood architecture

designed “ and made “ by four leading research groups in Europe. Rethinking wood from a computational perspective, they point to a variety of new ways in which this humble yet incredible material could be used in contemporary architecture.” - Branko Kolarevic, University of Calgary

Achim Menges is a registered architect and professor at the University of Stuttgart, Germany, where he is the founding director of the Institute for Computational Design. Currently he is also Visiting Professor in Architecture at Harvard University’s Graduate School of Design, USA. Tobias Schwinn is a research associate and doctoral candidate at the Institute for Computational Design at the University of Stuttgart, Germany. In his research he is focusing on the integration of robotic fabrication and computational design processes. Oliver David Krieg is a research associate and doctoral candidate at the Institute for Computational Design at the University of Stuttgart, Germany. His research aims to investigate the architectural potentials of robotic fabrication in wood construction.

[Download to continue reading...](#)

Advancing Wood Architecture: A Computational Approach
Advancing Your Career: Concepts in Professional Nursing (Advancing Your Career: Concepts of Professional Nursing)
Wood Finishing Tips: The Go to Guide to Wood Finishing Supplies, Wood finishing Chemistry and More
2012 Wood Design Package - including the National Design Specification® for Wood Construction (NDS®) & NDS Supplement: Design Values for Wood Construction (4 volumes set)
Computational Fluid Mechanics and Heat Transfer, Third Edition (Series in Computational and Physical Processes in Mechanics and Thermal Sciences)
Current Topics in Computational Molecular Biology (Computational Molecular Biology)
Theoretical Neuroscience: Computational and Mathematical Modeling of Neural Systems (Computational Neuroscience Series)
Simulating Enzyme Reactivity: Computational Methods in Enzyme Catalysis (Theoretical and Computational Chemistry Series)
Computational Approaches to Protein Dynamics: From Quantum to Coarse-Grained Methods (Series in Computational Biophysics)
The Power of Computational Thinking: Games, Magic and Puzzles to Help You Become a Computational Thinker
Clinical Social Work Practice: An Integrated Approach (5th Edition) (Advancing Core Competencies)
inside: Architecture and Design: A guide to the practice of architecture (what they don’t teach you in architecture school)
The Complete Wood Pellet Barbeque Cookbook: The Ultimate Guide and Recipe Book for Wood Pellet Grills
Wood Pellet Smoker And Grill Cookbook: The Ultimate Wood Pellet Smoker And Grill Cookbook “ The Ultimate Guide and Recipe Book For The Most Delicious And Flavorful Barbeque (Barbecue Cookbook)
Wood Pallet Workshop: 20 DIY Projects that Turn Forgotten Wood into Stylish Home Furnishings

Norwegian Wood: Chopping, Stacking, and Drying Wood the Scandinavian Way Understanding
Wood: A Craftsman's Guide to Wood Technology Wood Finishing 101: The Official Guide to Wood
Finishing The Essential Wood Fired Pizza Cookbook: Recipes and Techniques From My Wood
Fired Oven Wood Pallets: 10 Creative Wood Pallet Projects For Your Garden

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)