

MATERIAL MATTERS

ARCHITECTURE AND MATERIAL PRACTICE

**EDITED BY
KATIE LLOYD THOMAS**

Translated by **Adrian Jackson**



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Material Matters Architecture And Material Practice

Merridee L. Bailey, Katie Barclay



Material Matters Architecture And Material Practice:

Material Matters Katie Lloyd Thomas, 2006-12-05 Bringing together texts and work by theorists and practitioners who are making material central to their work this book reflects the diverse areas of inquiry which are expanding current material discourse Focusing on the cultural political economic technological and intellectual forces which shape material practices in architecture the contributors draw on disciplines ranging from philosophy history and pedagogy to art practice and digital and low tech fabrication By paying critical attention to material a wide range of issues emerge which are otherwise excluded from architectural discourse issues that shape and determine the buildings we make the processes we use and the ways we understand them Beautifully illustrated and designed this book is a unique collection which will be of great interest to architectural practitioners and theorists who want to consider the wider implications of material practice and to students who are developing their own approach to making buildings

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Building Materials Katie Lloyd Thomas, 2021-11-18 At a time of unprecedented levels of change in the production of building materials and their deployment in construction better theoretical and historical tools are needed to understand these new developments and how they are altering the practices and concepts of architecture Building Materials offers a radical rethink of how materials as they are constituted in architectural practice are themselves constructed and in turn uncovers a vast and neglected resource of architectural writing about materials as they are mobilized in architecture The book is unique in conceiving architectural specification as a starting point for architectural theory arguing that how materials are prescribed through a range of practices from the literal processes of procurement and manufacture to epistemological contractual social and economic frameworks radically alters their potential in architecture Drawing on the work of French philosopher Gilbert Simondon as well as close readings of everyday specifications from the 18th to 21st centuries the book reveals that materials do not pre exist their shaping or use in the world but come into being through the processes that constitute them The book addresses three distinct methods of specification each through the lens of a different material naming through timber process based through concrete and performance specification through glass in

turn revealing how the process of architectural specification or Preliminary Operations as Simondon puts it allows for the development of specific relationships between material and function *No Matter: Theories and Practices of the Ephemeral in Architecture* Anastasia Karandinou, 2017-05-15 How do digital media mobile phones GPS iPods portable computers internet virtual realities etc affect the way we perceive inhabit and design space Why do architects traditionally design draw and map the visual as opposed to other types of sensations of space the sound the smell the texture etc Architecture is not only about the solid material elements of space it is also about the invisible immaterial intangible elements of space This book examines the design representation and reception of the ephemeral in architecture It discusses how architects map and examine the spatial qualities that these elements create and questions whether and if so how they take them into account in the designing process Karandinou argues that current interest in the ephemeral in contemporary culture and architecture is related to the evolution of digital media and that it is related to the new ways of thinking about space and everyday situations that new media enables With sound and video recording devices now being embedded in everyday gadgets and mobile phones capturing sounds or ephemeral situations and events has become an everyday habit New animation techniques allow designers to think about space through time as they are able to design dynamic and responsive spaces as well as static spaces explored by someone over time Contemporary video games are no longer based on a simple visual input and a keyboard they now involve other senses movement and the response of the whole body in space This book therefore argues that the traditional binary opposition between the sensuous and the digital is currently being reversed Subsequently new media can also function as a new tool to think with about space Designers are now able to think through time and design spaces accordingly Time temporality ephemerality become central issues in the designing process The notion first claimed by Marshall McLuhan in the 1960s that the emergence of new di **Relational Architectural Ecologies** Peg

Rawes, 2013-08-22 Examining the complex social and material relationships between architecture and ecology which constitute modern cultures this collection responds to the need to extend architectural thinking about ecology beyond current design literatures This book shows how the habitats natural milieus places or shelters that construct architectural ecologies are composed of complex and dynamic material spatial social political economic and ecological concerns With contributions from a range of leading international experts and academics in architecture art anthropology philosophy feminist theory law medicine and political science this volume offers professionals and researchers engaged in the social and cultural biodiversity of built environments new interdisciplinary perspectives on the relational and architectural ecologies which are required for dealing with the complex issues of sustainable human habitation and environmental action The book provides 16 essays including two visual essays by leading international experts and academics from the UK US Australia New Zealand and Europe including Rosi Braidotti Lorraine Code Verena Andermatt Conley and Elizabeth Grosz A clear structure divided into 5 parts addressing bio political ecologies and architectures uncertain anxious and damaged ecologies economics

land and consumption biological and medical architectural ecologies relational ecological practices and architectures An exploration of the relations between human and political life An examination of issues such as climate change social and environmental well being land and consumption economically damaging global approaches to design community ecologies and future architectural practice

Reading Architecture and Culture Adam Sharr, 2012-11-12 Architecture displays the values involved in its inhabitation construction procurement and design It traces the thinking of the individuals who have participated in it their relationships and their involvement in the cultures where they lived and worked In this way buildings their details and the documents used to make them can be read closely for cultural insights Introducing the idea of reading buildings as cultural artefacts this book presents perceptive readings by eminent writers which demonstrate the power of this approach The chapters show that close readings of architecture and its materials can test commonplace assumptions help architects to appreciate the contexts in which they work and indicate ways to think more astutely about design The readings collected in this innovative and accessible book address buildings specifications and photographs They range in time from the fifteenth century examining the only surviving drawing made by Leon Battista Alberti to the recent past projects completed by Norman Foster in 2006 and Herzog and De Meuron in 2008 They range geographically from France to Puerto Rico to Kazakhstan and they range in fame from buildings celebrated by critics to house extensions and motorway service areas Taken together these essays demonstrate important research methods which yield powerful insights for designers critics and historians and lessons for students

Handbook of Research on Methodologies for Design and Production Practices in Interior Architecture Garip, Ervin, Garip, S. Banu, 2020-11-20 Studio environments can be defined as multi dimensional integrated production spaces where basic design trainings take place and where design issues including theoretical notions such as sociological political phenomenological and other dimensions are discussed Present approaches within the literature and social media on this topic gives cause for students to evaluate their future professions over finished and pictorial products rather than ontological and processual means While there are many resources available on the present approaches of aesthetics and visuality of interior spaces there is not much research available on new design methodologies related design processes and new applied methods in interior architecture Based on different contexts these methods of design practice have the potential to enrich design processes and create multiple discussion platforms within project studios as well as other design media These different representations and narration methods for research in the context of interior architecture can be effectively used in design processes The Handbook of Research on Methodologies for Design and Production Practices in Interior Architecture proposes new design methodologies and related design processes and introduces new applied method approaches while presenting alternative methods that have been used within design studios in the field of interior architecture The chapters deal with four major sections the design process and interdisciplinary approaches then scenario development and content followed by material texture and atmosphere and concluding with new

approaches to design While highlighting topics such as spatial perception design strategies architectural atmosphere and design thinking this book is of interest to architects interior designers practitioners stakeholders researchers academicians and students looking for advanced research on the new design methodologies and processes for interior architecture

New Approaches to Naples c.1500-c.1800 Helen Hills,2016-04-22 Early modern Naples has been characterized as a marginal wild and exotic place on the fringes of the European world and as such an appropriate target of attempts by Catholic missionaries and others to civilize the city Historiographically bypassed in favour of Venice Florence and Rome Naples is frequently seen as emblematic of the cultural and political decline in the Italian peninsula and as epitomizing the problems of southern Italy Yet as this volume makes plain such views blind us to some of its most extraordinary qualities and limit our understanding not only of one of the world's great capital cities but also of the wider social cultural and political dynamics of early modern Europe As the centre of Spanish colonial power within Europe during the vicerealty and with a population second only to Paris in early modern Europe Naples is a city that deserves serious study Further as a Habsburg dominion it offers vital points of comparison with non European sites which were subject to European colonialism While European colonization outside Europe has received intense scholarly attention its cultural impact and representation within Europe remain under explored Too much has been taken for granted Too few questions have been posed In the sphere of the visual arts investigation reveals that Neapolitan urbanism architecture painting and sculpture were of the highest quality during this period while differing significantly from those of other Italian cities For long ignored or treated as the subaltern sister of Rome this urban treasure house is only now receiving the attention from scholars that it has so long deserved This volume addresses the central paradoxes operating in early modern Italian scholarship It seeks to illuminate both the historiographical pressures that have marginalized Naples and to showcase important new developments in Neapolitan cultural history and art history Those developments showcased here include bot Architecture in Abjection Zuzana Kovar,2017-11-30 This book marks a turning point in architectural theory by using philosophy to examine the field anew Breaking from the traditional dualism within architecture which presents the body as subject and space as object it examines how such rigid boundaries can be softened Zuzana Kovar thus engages with complementary and complex ideas from architecture philosophy feminist theory and other subjects demonstrating how both bodies and bodily functions relate deeply to architecture Extending philosopher Julia Kristeva's notion of abjection the confrontation of one's own corporeality as something is excreted Kovar finds parallels in the concept of the scaffold Much like living bodies and their products can impact on the buildings that house them old skin cells create dust menstrual blood stains our breath heats and cools surfaces scaffolding is similarly ephemeral and yet not entirely separable from the architecture it supports Kovar shifts the conversation about abjection towards a more nuanced idea of architecture where living organisms building matter space decay and waste are all considered as part of a continual process drawing on the key informing works of thinkers like Gilles

Deleuze and Felix Guattari to do this Including a number of experimental projects conducted in the spaces inhabited by the author herself to illuminate the theory at its core the book forms a distinguished and pioneering study designed for practitioners and scholars of architecture philosophy and visual culture alike

Automated Ecologies: Towards an Adaptive Ecology of Mind, Material and Intelligent Machines in Architecture? Augustine Ong Wing, 2014-06-21

Popular notions of sustainability in architecture and urbanism idealizes nature as primary over the mediated complexity that is inevitable in a modern city's functioning More specifically contemporary ecological debates and models have failed to sufficiently account for the convergence of computers automation and machine intelligence with the physical and social environments that is gradually emerging in the post digital condition The following publication takes an ecological view to interpret critically the micro ecology of Amazon's automated warehouses which rely on adaptive machine intelligence which is further examined critically within the framework of cybernetic systems Paradoxically it also happens to thrive within the logic of the dominant global mode of consumption and production which is capitalism Most importantly this relational ecology lies at the intersection of the mediated complexity where the digital and physical worlds meet

Conceptual Joining Lukas Allner, Christoph Kaltenbrunner, Daniela Kröhnert, Philipp Reinsberg, Institute of Architecture at the University of Applied Arts Vienna, Institute of Art Sciences and Art Education at the University of Applied Arts Vienna, 2021-11-22 This book explores experimental approaches to the design and construction of wooden structures in architecture while presenting the results of an artistic research project Through the use of digital tools the anatomy of wood becomes a design determining principle for spatial structures The architects and artists also explore the potential of traditional craftsmanship and derive from this a material oriented practice Structures are not designed here for a specific use but rather open up various usage possibilities due to their unique spatial and geometric properties The documentation provides insight into an open ended research process Guest contributions reflect on the underlying concepts and thus the future relevance of wood as a building material

Art in the Making Glenn Adamson, Julia Bryan-Wilson, 2016-08-16 The first book to address the significance of the materials and methods used to make contemporary artworks Today artists are able to create using multiple methods of production from painting to digital technologies to crowdsourcing some of which would have been unheard of just a few decades ago Yet even as our means of making art become more extraordinary and diverse they are almost never addressed in their specificity While critics and viewers tend to focus on the finished products we see in museums and galleries authors Glenn Adamson and Julia Bryan Wilson argue that the materials and processes behind the scenes used to make artworks are also vital to current considerations of authorship and to understanding the economic and social contexts from which art emerges This wide ranging exploration of different methods and media in art since the 1950s includes nine chapters that focus on individual processes of making Painting Woodworking Building Performing Tooling Up Cashing In Fabricating Digitizing and Crowdsourcing Detailed examples are interwoven with the discussion including visuals that reveal the

intricacies of techniques and materials Artists featured include Ai Weiwei Alice Aycock Isa Genzken Los Carpinteros Paul Pfeiffer Doris Salcedo Santiago Sierra and Rachel Whiteread Deleuze and Architecture Helene Frichot, 2013-05-20 Critiques the legacy and ongoing influence of Deleuze on the discipline and practice of architecture This collection looks critically at how Deleuze challenges architecture as a discipline how architecture contributes to philosophy and how we can come to understand the complex politics of space of our increasingly networked world Since the 1980s Deleuze's philosophy has fuelled a generation of architectural thinking and can be seen in the design of a global range of contemporary built environments His work has also alerted architecture to crucial ecological political and social problems that the discipline needs to reconcile Feminist Practices Lori A. Brown, 2016-04-15 Women continue to be extremely under represented in the architectural profession Despite equal numbers of male and female students entering architectural studies there is at least 17-25% attrition of female students and not all remaining become practicing architects In both the academic and the professional fields of architecture positions of power and authority are almost entirely male and as such the profession is defined by a heterosexual Eurasian male perspective This book argues that it is vital for all architectural students and practitioners to be exposed to a diversity of contemporary architectural practices as this might provide a first step into broadening awareness and transforming architectural engagement It considers the relationships between feminist methodologies and the various approaches toward design and their impact upon our understanding and relationship to the built environment In doing so this collection challenges two conventional ideas firstly the definition of architecture and secondly what constitutes a feminist practice This collection of up and coming female architects and designers use a wide range of local and global examples of their work to question different aspects of these two conventional ideas While focusing on feminist perspectives the book offers insights into many different issues concerns and interpretations of architecture proposing through these types of engagement architecture can become more culturally politically and environmentally relevant This next generation of architects claim feminism as their own and through doing so help define what feminism means and how it is evolving in the 21st century **The matter of miracles** Helen Hills, 2021-02-02 This book investigates baroque architecture through the lens of San Gennaro's miraculously liquefying blood in Naples This vantage point allows a bracing and thoroughly original rethink of the power of baroque relics and reliquaries It shows how a focus on miracles produces original interpretations of architecture sanctity and place which will engage architectural historians everywhere The matter of the baroque miracle extends into a rigorous engagement with natural history telluric philosophy new materialism theory and philosophy The study will transform our understanding of baroque art and architecture sanctity and Naples Bristling with new archival materials and historical insights this study lifts the baroque from its previous marginalisation to engage fiercely with materiality and potentiality and thus unleash baroque art and architecture as productive and transformational *Emotion, Ritual and Power in Europe, 1200-1920* Merridee L. Bailey, Katie

Barclay,2017-02-25 This volume spans the fourteenth to nineteenth centuries across Europe and its empires and brings together historians art historians literary scholars and anthropologists to rethink medieval and early modern ritual The study of rituals when it is alert to the emotions which are woven into and through ritual activities presents an opportunity to explore profoundly important questions about people s relationships with others their relationships with the divine with power dynamics and importantly with their concept of their own identity Each chapter in this volume showcases the different approaches theories and methodologies that can be used to explore emotions in historical rituals but they all share the goal of answering the question of how emotions act within ritual to inform balances of power in its many and varied forms Chapter 5 of this book is available open access under a CC BY 4 0 license [From Models to Drawings](#) Marco Frascari,Jonathan Hale,Bradley Starkey,2013-09-13 This edited collection addresses the vital role of the imagination in the critical interpretation of architectural representations By challenging the contemporary tendency for computer aided drawings to become mere models for imitation in the construction of buildings the articles explore the broader range of methods and meanings at stake in the creation and interpretation of architectural drawings models images and artefacts These critical and often practice led investigations are placed alongside a range of historical studies considering the development of representational techniques such as perspective orthography and diagramming By also addressing the use of visual representation in a number of related disciplines such as visual arts film performance and literature the book opens up debates in architecture to important developments in other fields This book is key reading for all students of architecture and architectural theory *Materials and Meaning in Architecture* Nathaniel Coleman,2020-02-20 Interweaving architecture philosophy and cultural history *Materials and Meaning in Architecture* develops a rich and multi dimensional exploration of materials and materiality in an age when architectural practice seems otherwise preoccupied with image and visual representation Arguing that architecture is primarily experienced by the whole body rather than chiefly with the eyes this broad ranging study shows how the most engaging built works are as tactile as they are sensuous communicating directly with the bodily senses especially touch It explores the theme of material imagination and the power of establishing place identity in an architect s work to consider the enduring expressive possibilities of material use in architecture The book s chapters can be dipped into each individual chapter providing close readings of built works by selected modern masters Scarpa Zumthor Williams and Tsien insights into key texts and theories Ruskin Loos Bachelard or short cultural histories of materials wood brick concrete steel and glass And yet taken together the chapters build to a powerful book length argument about how meaning accrues to materials through time and about the need to reinsert the bodily experience of materiality into architectural design It is thus also in part a manifesto arguing for architecture to act as a bulwark against the tide of an increasingly depersonalised built environment With insights for a wide range of readers ranging from students through to researchers and professional designers *Materials and Meaning in Architecture* will cause theorists to rethink their

assumptions and designers to see new potential for their projects Rethinking Global Modernism Vikramaditya Prakash, Maristella Casciato, Daniel E. Coslett, 2021-11-22 This anthology collects developing scholarship that outlines a new decentred history of global modernism in architecture using postcolonial and other related theoretical frameworks By both revisiting the canons of modernism and seeking to decolonize and globalize those canons the volume explores what a genuinely global history of architectural modernism might begin to look like Its chapters explore the historiography and weaknesses of modernism s normative interpretations and propose alternatives to them The collection offers essays that interrogate transnationalism in new ways reconsiders the agency of the subaltern and the roles played by infrastructures materials and global institutions in propagating a diversity of modernisms internationally Issues such as colonial modernism architectural pedagogy cultural imperialism and spirituality are engaged With essays from both established scholars and up and coming researchers this is an important reference for a new understanding of this crucial and developing topic

Architectural and Urban Reflections after Deleuze and Guattari Constantin V. Boundas, Vana Tentokali, 2017-12-15 The post humanist movement which currently traverses various disciplines in the arts and humanities as well as the role that the thought of Deleuze and Guattari has had in the course of this movement has given rise to new practices in architecture and urban theory This interdisciplinary volume brings together architects urban designers and planners and asks them to reflect and report on the built place and the city to come in the wake of Deleuze and Guattari

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