

Research Methods For Architecture

Getting the books **Research Methods For Architecture** now is not type of inspiring means. You could not and no-one else going subsequent to ebook addition or library or borrowing from your friends to approach them. This is an agreed easy means to specifically get lead by on-line. This online message **Research Methods For Architecture** can be one of the options to accompany you in the same way as having further time.

It will not waste your time. acknowledge me, the e-book will enormously space you new event to read. Just invest tiny era to log on this on-line declaration **Research Methods For Architecture** as well as review them wherever you are now.

Formal Methods in Architecture and Urbanism - David Leite Viana
2018-07-27

The book promotes the use of formal methods in the creation of new

explicit languages for problem solving in architecture and urbanism. Formal methods bring advantages to human actions and involve the use of theoretically driven techniques,

expressed in languages stemmed from mathematics. Formalization seeks to guarantee that solutions for daily problems are produced in a manner that ensures their greatest possible adequacy and the least test time in direct confrontation with reality. This book contributes to the progress of formalization in architectural methodologies by finding points of convergence between state of the art research on ontologies in architecture, BIM/VDC, CAD/CAM, cellular automata, GIS, parametric processes, processing and space syntax presented within the 3rd Symposium of Formal Methods in Architecture. The contents reach from millennial geometry to current shape grammars, engaging several formal approaches to architecture and urbanism, with different points of

view, fields of application, grades of abstraction and formalization. Research Culture in Architecture - Cornelia Leopold 2019-12-16
Research in and on architecture is as complex as the discipline itself with its different specialist fields, and therefore the results often remain unconnected. Research Culture in Architecture combines digital and analog research issues and demonstrates how important cross-disciplinary cooperation in architecture is today. The complexity and increasing specialization are elaborated on in the various chapters and then linked to the core of architecture, i.e. design. Scientists from the theoretical and practical fields present research results in the following subjects: "design methodology", "architectural space,

perception, and the human body", "analog and digital timber construction", "visualization", "robotics", "architectural practice and research", and "sustainability".

Five Ways to Make Architecture

Political - Albena Yaneva 2017-05-18

Five Ways to Make Architecture Political presents an innovative pragmatist agenda that will inspire new thinking about the politics of design and architectural practice. Moving beyond conventional conversations about design and politics, the book shows how recent developments in political philosophy can transform our understanding of the role of the architect. It asks: how, when, and under what circumstances can design practice generate political relations? How can architectural design become more

'political'? Five central chapters, which can be read alone or in sequence, explore the answers to these questions. Powerfully pragmatic in approach, each presents one of the 'five ways to make architecture political', and each is illustrated by case studies from a range of contemporary situations around the world. We see how politics happens in architectural practice, learn how different design technologies have political effects, and follow how architects reach different publics, trigger reactions and affect different communities worldwide. Combining an accessible introduction to contemporary political concepts with a practical approach for a more political kind of practice, this book will stimulate debate among students and theorists alike, and inspire

action in established and start-up practices.

Architectural Research Addressing Societal Challenges - Manuel Jorge Rodrigues Couceiro da Costa

2019-08-08

The escalating interdependency of nations drives global geopolitics to shift ever more quickly. Societies seem unable to control any change that affects their cities, whether positively or negatively. Challenges are global, but solutions need to be implemented locally. How can architectural research contribute to the future of our changing society? How has it contributed in the past? The theme of the 10th EAAE/ARCC International Conference, “Architectural Research Addressing Societal Challenges”, was set to address these questions. This book,

Architectural Research Addressing Societal Challenges, includes reviewed papers presented in June 2016, at the 10th EAAE/ARCC International Conference, which was held at the facilities of the Faculty of Architecture of the University of Lisbon. The papers have been further divided into the following five sub-themes: a Changing Society; In Transit – Global Migration; Renaturalization of the City; Emerging Fields of Architectural Practice; and Research on Architectural Education. The EAAE/ARCC International Conference, held under the aegis of the EAAE and of the ARCC, is a conference organized every other year, in collaboration with one of the member schools/ universities of those associations, alternatively in North

America or in Europe.

Research Methods and Techniques in Architecture - Elzbieta Danuta Niezabitowska 2018-07-11

A scientific approach to architectural and architectonic research from the scope of just one discipline is no longer sufficient. With contemporary considerations such as behavior, health, and environmental protection, architects and students alike need holistic research methodologies that incorporate qualitative elements as well as more traditional quantitative ones. Research Methods and Techniques in Architecture examines research methodologies and tools applied in science and architectonic practice. Beginning with a thorough introduction to the main scientific, environmental, and architectural

theories of the late twentieth century, the book guides the reader through the different aspects of architectural research design, building research teams, choosing applicable research methods, and representing research results.

Research Methods for the Architectural Profession - Ajla Aksamija 2021-03-04

Research Methods for the Architectural Profession introduces research as a systematic process, describes how to formulate research questions, provides an in-depth explanation of different research methods (qualitative, quantitative, and experimental), and explains how to select appropriate research methods and execute research studies. It describes the process of documentation, knowledge

dissemination, and application of research results in architectural design and practice. Most importantly, it provides guidelines for integrating research into profession and uses extensive case-studies and practice-relevant examples to illustrate main concepts, procedures, and applications. Integrating research into practice is essential for developing new knowledge, solving design and technical problems, overcoming different types of challenges present in the contemporary profession, and improving the design outcomes. Innovation requires a much stronger correlation between research and design, and it is pertinent for the future of architectural practice that research becomes an integral part of architectural profession. This book

provides a roadmap for successfully integrating research into architectural design and for establishing innovative practices, regardless of a firm's size. Written by an architecture professor with an extensive research and professional background—specifically focusing on integrating research into practice—and richly illustrated with over 150 color images, this reference will be useful for both students and practitioners.

Research Methods for Interior Design
- Dana E. Vaux 2020-08-05
Interior design has shifted significantly in the past fifty years from a focus on home decoration within family and consumer sciences to a focus on the impact of health and safety within the interior environment. This shift has called

for a deeper focus in evidence-based research for interior design education and practice. Research Methods for Interior Design provides a broad range of qualitative and quantitative examples, each highlighted as a case of interior design research. Each chapter is supplemented with an in-depth introduction, additional questions, suggested exercises, and additional research references. The book's subtitle, Applying Interiority, identifies one reason why the field of interior design is expanding, namely, all people wish to achieve a subjective sense of well-being within built environments, even when those environments are not defined by walls. The chapters of this book exemplify different ways to comprehend interiority through

clearly defined research methodologies. This book is a significant resource for interior design students, educators, and researchers in providing them with an expanded vision of what interior design research can encompass.

Research in Landscape Architecture -

Adri van den Brink 2016-11-10

Defining a research question, describing why it needs to be answered and explaining how methods are selected and applied are challenging tasks for anyone embarking on academic research within the field of landscape architecture. Whether you are an early career researcher or a senior academic, it is essential to draw meaningful conclusions and robust answers to research questions. Research in Landscape Architecture provides

guidance on the rationales needed for selecting methods and offers direction to help to frame and design academic research within the discipline. Over the last couple of decades the traditional orientation in landscape architecture as a field of professional practice has gradually been complemented by a growing focus on research. This book will help you to develop the connections between research, teaching and practice, to help you to build a common framework of theory and research methods. Bringing together contributions from landscape architects across the world, this book covers a broad range of research methodologies and examples to help you conduct research successfully. Also included is a study in which the editors discuss the most important

priorities for the research within the discipline over the coming years. This book will provide a definitive path to developing research within landscape architecture.

Digital Poetics - Dr Marjan Colletti
2013-12-31

Digital Poetics celebrates the architectural design exuberance made possible by new digital modelling techniques and fabrication technologies. By presenting an unconventional and original 'humanistic' theory of CAD (computer-aided design), the author suggests that beyond the generation of innovative engineering forms, digital design has the potential to affect the wider complex cultural landscape of today in profound ways. The book is linked to a website, which contains a larger selection of images

of some featured projects.

Case Study Strategies for Architects and Designers - Marja Sarvimaki

2017-06-27

Case Study Strategies for Architects and Designers explains methods in evidence-based design, also called practice-based research, to show you the value of research to your designs. Topics covered pertain to data collection and analysis techniques, including surveys, interviews, fieldwork, participatory design, occupancy evaluations, and memory sketching. Integrative data evaluation, theoretical sampling, triangulation, pattern matching logic, and analytical generalization are also discussed. Global research precedents, exercises, further reading, section summaries, sidebars, more than 30 black and white images

and tables will help you conduct empirical inquiries in real-life contexts.

Visual Research Methods in Design (Routledge Revivals) - Henry Sanoff

2016-05-20

First published in 1991, this book is about applications and issues relating to the visual environment. The content pertains to the understanding of human behaviour in the environment by recording behaviour and actions or by direct interaction with people. The author examines research and planning methods that primarily stress the visual features of the physical environment. Traditionally, environmental research has relied on verbal descriptions and perceptions of the physical environment, virtually ignoring the visual

component and the potential application of the social sciences for gathering this data. Various strategies that can expand the visual information base have been explored here: diagramming, photo-interviewing, photo-sorting, mapping, notation, simulation, videotaping, and CADD.

Architecture and Design:

Breakthroughs in Research and Practice - Management Association, Information Resources 2018-11-02
Technological evolutions have changed the field of architecture exponentially, leading to more stable and energy-efficient building structures. Architects and engineers must be prepared to further enhance their knowledge in the field in order to effectively meet new and advancing standards. Architecture and Design:

Breakthroughs in Research and Practice is an authoritative resource for the latest research on the application of new technologies and digital tools that revolutionize the work of architects globally, aiding in architectural design, planning, implementation, and restoration. Highlighting a range of pertinent topics such as design anthropology, digital preservation, and 3D modeling, this publication is an ideal reference source for researchers, scholars, IT professionals, engineers, architects, contractors, and academicians seeking current research on the development and creation of architectural design. **Research for Architectural Practice** - Katharine A. Martindale 2021-07-29
This book provides a clear guide for practitioners looking to establish or

already conducting research projects in a practice context and graduate students looking to support their studies and role within practice. The book is divided into three key sections. The first section, across Chapters Two and Three, discusses why research is relevant to practice, how it benefits both practice and their clients, the breadth of topics, and tackles the key challenges facing research in practice and discusses how to overcome them, including how to fund research in practice. Section two, across Chapters Four to Seven, focuses on the mechanics of a research project, providing a step-by-step guide to reviewing literature and publications, data collection and research methods, ethics, writing up and publishing. In the final section, Chapter Eight presents profiles of

twelve architecture practices ranging in size, structure, location, research interest and approach, followed by illustrated profiles of their design influenced research work. The practices featured here are Counterspace Studio, ZCD Architects, Baca Architects, Tonkin Liu, Pomeroy Studio, Architecture Research Office, Architype, Gehl Architects, Hayball, PLP Architects, White Arkitekter and Perkins&Will. With practice based examples throughout, beautifully illustrated and written in a clear and accessible style, this is an essential guide to conducting research that is relevant for architectural practices of all size, location and expertise.

The Routledge Handbook of Planning Research Methods - Elisabete A. Silva
2014-08-21

The Routledge Handbook of Planning Research Methods is an expansive look at the traditions, methods, and challenges of research design and research projects in contemporary urban planning. Through case studies, an international group of researchers, planning practitioners, and planning academics and educators, all recognized authorities in the field, provide accounts of designing and implementing research projects from different approaches and venues. This book shows how to apply quantitative and qualitative methods to projects, and how to take your research from the classroom to the real world. The book is structured into sections focusing on Beginning planning research Research design and development Rediscovering qualitative methods New advances in quantitative

methods Turning research into action With chapters written by leading scholars in spatial planning, The Routledge Handbook of Planning Research Methods is the most authoritative and comprehensive handbook on the topic, providing both established and ground breaking coverage of spatial planning research methods. The book is an invaluable resource for undergraduate and graduate level students, young professionals and practitioners in urban, regional, and spatial planning.

Research Methods for the Architectural Profession - Ajla Aksamija 2021

Research Methods for the Architectural Profession introduces research as a systematic process, describes how to formulate research

questions, provides an in-depth explanation of different research methods (qualitative, quantitative, and experimental), and explains how to select appropriate research methods and execute research studies. It describes the process of documentation, knowledge dissemination, and application of research results in architectural design and practice. Most importantly, it provides guidelines for integrating research into profession and uses extensive case-studies and practice-relevant examples to illustrate main concepts, procedures, and applications. Integrating research into practice is essential for developing new knowledge, solving design and technical problems, overcoming different types of challenges present

in the contemporary profession, and improving the design outcomes. Innovation requires a much stronger correlation between research and design, and it is pertinent for the future of architectural practice that research becomes an integral part of architectural profession. This book provides a roadmap for successfully integrating research into architectural design and for establishing innovative practices, regardless of a firm's size. Written by an architecture professor with an extensive research and professional background--specifically focusing on integrating research into practice--and richly illustrated with over 150 color images, this reference will be useful for both students and practitioners.

Handbook of Research on Digital

Research Methods and Architectural Tools in Urban Planning and Design - Abusaada, Hisham 2019-06-28

The efficient usage, investigation, and promotion of new methods, tools, and technologies within the field of architecture, particularly in urban planning and design, is becoming more critical as innovation holds the key to cities becoming smarter and ultimately more sustainable. In response to this need, strategies that can potentially yield more realistic results are continually being sought. The Handbook of Research on Digital Research Methods and Architectural Tools in Urban Planning and Design is a critical reference source that comprehensively covers the concepts and processes of more than 20 new methods in both planning and design in the field of

architecture and aims to explain the ways for researchers to apply these methods in their works. Pairing innovative approaches alongside traditional research methods, the physical dimensions of traditional and new cities are addressed in addition to the non-physical aspects and applied models that are currently under development in new settlements such as sustainable cities, smart cities, creative cities, and intercultural cities. Featuring a wide range of topics such as built environment, urban morphology, and city information modeling, this book is essential for researchers, academicians, professionals, technology developers, architects, engineers, and policymakers.

Integrating Innovation in Architecture - Ajla Aksamija

2017-03-13

Today's design professionals are faced with challenges on all fronts. They need not only to keep in step with rapid technological changes and the current revolution in design and construction processes, but to lead the industry. This means actively seeking to innovate through design research, raising the bar in building performance and adopting advanced technologies in their practice. In a constant drive to improve design processes and services, how is it possible to implement innovations? And, moreover, to assimilate them in such a way that design, methods and technologies remain fully integrated? Focusing on innovations in architecture, this book covers new materials and design methods, advances in computational design

practices, innovations in building technologies and construction techniques, and the integration of research with design. Moreover, it discusses strategies for integrating innovation into design practices, risks and economic impacts. Through numerous case studies, it illustrates how innovations have been implemented on actual architectural projects, and how design and technical innovations are used to improve building performance, as well as design practices in cutting-edge architectural and engineering firms. Projects of all scales and building types are discussed in the book, ranging from small-scale installations, academic and commercial buildings to large-scale mixed-use, healthcare, civic, academic, scientific research and

sports facilities. Work from design firms around the globe and of various scales is discussed in the book, including for example Asymptote Architecture, cepezed, CO Architects, Consarc Architects, FAAB Architektura, Gerber Architekten, HOK, IDOM-ACXT, MAD Architects, Morphosis Architects, SDA | Synthesis Design + Architecture, Studiotrope, Perkins+Will, Richter Dahl Rocha & Associés, Snøhetta, Rob Ley Studio, Trahan Architects, UNStudio and Zaha Hadid Architects, among many others. *Forensic Architecture* - Eyal Weizman 2017-05-01

In recent years, a little-known research group named Forensic Architecture began using novel research methods to undertake a series of investigations into human rights abuses. Today, the group

provides crucial evidence for international courts and works with a wide range of activist groups, NGOs, Amnesty International, and the UN. Beyond shedding new light on human rights violations and state crimes across the globe, Forensic Architecture has also created a new form of investigative practice that bears its name. The group uses architecture as an optical device to investigate armed conflicts and environmental destruction, as well as to cross-reference a variety of evidence sources, such as new media, remote sensing, material analysis, witness testimony, and crowd-sourcing. In *Forensic Architecture*, Eyal Weizman, the group's founder, provides, for the first time, an in-depth introduction to the history, practice, assumptions, potentials,

and double binds of this practice. The book includes an extensive array of images, maps, and detailed documentation that records the intricate work the group has performed. Included in this volume are case studies that traverse multiple scales and durations, ranging from the analysis of the shrapnel fragments in a room struck by drones in Pakistan, the reconstruction of a contested shooting in the West Bank, the architectural recreation of a secret Syrian detention center from the memory of its survivors, a blow-by-blow account of a day-long battle in Gaza, and an investigation of environmental violence and climate change in the Guatemalan highlands and elsewhere. Weizman's Forensic Architecture, stunning and shocking

in its critical narrative, powerful images, and daring investigations, presents a new form of public truth, technologically, architecturally, and aesthetically produced. Their practice calls for a transformative politics in which architecture as a field of knowledge and a mode of interpretation exposes and confronts ever-new forms of state violence and secrecy.

Landscape Architectural Research - M. Elen Deming 2011-03-11

A practical, single-source guide to successful strategies for landscape architecture research As the scope of landscape architecture expands to engage with other disciplines, and streams of information directing this field continue to grow and diversify, it becomes increasingly important for landscape architects to be able to

implement a range of effective research strategies when seeking, creating, and validating knowledge. Landscape Architecture Research offers a framework for advancing better design thinking solutions by supplying readers with a system of inquiry tactics that open up a wider range of research possibilities. With a logical and innovative approach that favors legitimacy of knowledge based on collective, grounded practices, rather than strict adherence to protocols drawn only from scientific models, this comprehensive, illustrated guide produces a sound argument for establishing a new paradigm for legitimizing research quality. Landscape Architecture Research presents: Case studies that show how the range of presented research

strategies have been successfully used in practice New perspective on the relationship between theory, research, practice, and critique, a relationship that is specific to landscape architecture Detailed coverage of the ways that new knowledge is produced through research activities and practical innovations in landscape architecture The first and only book on this topic of growing importance in landscape architecture, Landscape Architecture Research keeps professionals and students in step with the latest developments in landscape architecture, and delivers a dynamic and flexible game plan for verifying the integrity of their work.

Human Factors Research: Methods and Applications for Architects and Interior Designers - J.E. Harrigan

2014-06-28

In order to succeed, human factors research must blend the subjective and objective aspects of the client's situation, applying both argument and evidence. How to accomplish this complex and very necessary goal is the subject of this book in which information systems, research methods, and evaluation procedures have been formulated as elements in an application strategy that makes possible the blending of research and design. Three main themes are maintained throughout the book: the concern to ensure that designers know how to conduct human factors research in an effective and efficient manner; the emphasis on obtaining the benefits possible when designer and client work in collaboration; and the possibility that what is presented

should stimulate thoughtful ideas about new computer applications or database features. Human factors research is fundamentally a problem of information development. Using the standardized information system presented in the book, the promise found in human factors research can readily be realized as the research questions and methods given provide a strategy and means for situational analysis. A necessary adjunct to human factors research is a means for assessing findings and translating them into specific design objectives, criteria, and specifications. The evaluation procedures described are directed toward these very complex requirements and provide a means for database development. The final chapter of the book contains research strategies, guidelines for

establishing scopes of work, schedules, and budgets, and suggestions for proposals for those situations in which standard fees do not provide sufficient funds for human factors research. The book is written primarily for architects, interior designers, and students of environmental design. Many others will also find it of value: those who employ professional design services, executives who formulate policy for facility development and capital investment, administrators of housing, community service, educational, and recreational programs, developers concerned with community acceptability and marketability, managers of office buildings, industrial plants, and service and retail stores, and those who plan to design their own

environments - all need a systematic approach to assure full benefits from their efforts and capital investments.

Informed Architecture - Marco Hemmerling 2017-07-19

This book connects the different topics and professions involved in information technology approaches to architectural design, ranging from computer-aided design, building information modeling and programming to simulation, digital representation, augmented and virtual reality, digital fabrication and physical computation. The contributions include experts' academic and practical experiences and findings in research and advanced applications, covering the fields of architecture, engineering, design and mathematics. What are the conditions,

constraints and opportunities of this digital revolution for architecture? How do processes change and influence the result? What does it mean for the collaboration and roles of the partners involved. And last but not least: how does academia reflect and shape this development and what does the future hold? Following the sequence of architectural production - from design to fabrication and construction up to the operation of buildings - the book discusses the impact of computational methods and technologies and its consequences for the education of future architects and designers. It offers detailed insights into the processes involved and considers them in the context of our technical, historical, social and cultural environment. Intended mainly for academic researchers, the book is

also of interest to master's level students.

Research Methods for Architecture - Ray Lucas 2016

While fundamentally a design discipline, architectural education requires an element of history and theory, grouped under the term 'research'. However, many students struggle with this part of their course. This practical handbook provides the necessary grounding in this subject, addressing essential questions about what research in architecture can be. The first part of the book is a general guide to the fundamentals of how to do research, from assembling a literature review to conducting an interview. The second section presents a selection of case studies dealing with such topics as environmental psychology,

the politics of space, ethnographic research and mapping.

Architectural Research Methods -

Linda N. Groat 2013-04-08

ARCHITECTURAL RESEARCH METHODS

ARCHITECTURE/GENERAL A PRACTICAL

GUIDE TO RESEARCH FOR ARCHITECTS AND

DESIGNERS—NOW UPDATED AND EXPANDED!

From searching for the best glass to prevent glare to determining how clients might react to the color choice for restaurant walls, research is a crucial tool that architects must master in order to effectively address the technical, aesthetic, and behavioral issues that arise in their work. This book's unique coverage of research methods is specifically targeted to help professional designers and researchers better conduct and understand research. Part I explores basic research issues and

concepts, and includes chapters on relating theory to method and design to research. Part II gives a comprehensive treatment of specific strategies for investigating built forms. In all, the book covers seven types of research, including historical, qualitative, correlational, experimental, simulation, logical argumentation, and case studies and mixed methods. Features new to this edition include: Strategies for investigation, practical examples, and resources for additional information A look at current trends and innovations in research Coverage of design studio-based research that shows how strategies described in the book can be employed in real life A discussion of digital media and online research New and updated examples of research

studies A new chapter on the relationship between design and research Architectural Research Methods is an essential reference for architecture students and researchers as well as architects, interior designers, landscape architects, and building product manufacturers.

Manual of Section - Paul Lewis
2016-08-23

Along with plan and elevation, section is one of the essential representational techniques of architectural design; among architects and educators, debates about a project's section are common and often intense. Until now, however, there has been no framework to describe or evaluate it. Manual of Section fills this void. Paul Lewis, Marc Tsurumaki, and David J. Lewis have developed seven categories of

section, revealed in structures ranging from simple one-story buildings to complex structures featuring stacked forms, fantastical shapes, internal holes, inclines, sheared planes, nested forms, or combinations thereof. To illustrate these categories, the authors construct sixty-three intricately detailed cross-section perspective drawings of built projects—many of the most significant structures in international architecture from the last one hundred years—based on extensive archival research. Manual of Section also includes smart and accessible essays on the history and uses of section.

Research Methods for Architecture - Ray Lucas 2016-01-18

While fundamentally a design discipline, architectural education

requires an element of history and theory, grouped under the term 'research'. However, many students struggle with this part of their course. This practical handbook provides the necessary grounding in this subject, addressing essential questions about what research in architecture can be. The first part of the book is a general guide to the fundamentals of how to do research, from assembling a literature review to conducting an interview. The second section presents a selection of case studies dealing with such topics as environmental psychology, the politics of space, ethnographic research and mapping.

Formal Methods in Architecture - Sara Eloy 2021-01-04

This edited book gathers research studies presented at the 5th

International Symposium on Formal Methods in Architecture (5FMA), Lisbon 2020. Studies focus on the use of methodologies, especially those that have witnessed recent developments, that stem from the mathematical and computer sciences and are developed in a collaborative way with architecture and related fields. This book constitutes a contribution to the debate and to the introduction of new methodologies and tools in the mentioned fields that derive from the application of formal methods in the creation of new explicit languages for problem-solving in architecture and urbanism. It adds valuable insight into the development of new practices solving identified societal problems and promoting the digital transformation of institutions in the mentioned

fields. The primary audience of this book will be from the fields of architecture, urban planning, civil engineering, AEC, landscape design, computer sciences and mathematics, both academicians and professionals. *Handbook of Research on Methodologies for Design and Production Practices in Interior Architecture* - Garip, Ervin 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.

Architectural Research - 1955

Perspectives on Research Assessment in Architecture, Music and the Arts - Fredrik Nilsson 2017-02-03

Research in the creative fields of architecture, design, music and the arts has experienced dynamic development for over two decades. The research in these practice- and arts-based fields has become increasingly mature but has also led to various discussions on what constitutes doctoral proficiency in these fields. The term 'doctorateness' is often used when referring to the assessment of the production of doctoral research and the research competence

of research students, but in architecture and the arts, the concept of doctorateness has not yet attained a clearly articulated definition. The assessment of quality has been practiced by way of supervising, mentoring and the evaluation of dissertations but much less discussed. This book offers perspectives on how to qualify and assess research in architecture, music and the arts. It creates a broader arena for discussion on doctorateness by establishing a framework for its application to creative fields. The book is grouped into three sections and includes contributions from international experts in the various fields working in Australia, Belgium, Brazil, Canada, Norway, Sweden, Switzerland, Spain, the Netherlands and the UK.

The first section offers general frameworks for further conceptualising doctorateness in the fields in question. It is followed by a section that describes and discusses various experiences, concerns and visions on the production and assessment of doctoral research reporting from doctoral programmes in different stages of development. The third section includes future-oriented perspectives on knowledge-building processes, and asks how the ongoing, profound changes in academia could influence the concept of quality in both doctoral process and product. The book presents different perspectives on research assessment practices and developments of relevant criteria in the practice-based and creative fields of architecture and the arts.

The contributions propose ways of framing this issue conceptually, show the need for awareness of the specific context and tradition programmes develop and give proposals for various potential trajectories for the future.

Research Methodology in the Built Environment - Vian Ahmed 2016-03-10

Built environment students are not always familiar with the range of different research approaches they could be using for their projects. Whether you are undertaking a postgraduate doctoral programme or facing an undergraduate or masters dissertation, this book provides general advice, as well as 13 detailed case studies from 16 universities in 7 countries, to help you get to grips with quantitative and qualitative methods, mixed

methods of data collection, action research, and more.

Routledge Research Companion to Landscape Architecture - Ellen Braae
2018-11-09

The Routledge Research Companion to Landscape Architecture considers landscape architecture's increasingly important cultural, aesthetic, and ecological role. The volume reflects topical concerns in theoretical, historical, philosophical, and practice-related research in landscape architecture – research that reflects our relationship with what has traditionally been called 'nature'. It does so at a time when questions about the use of global resources and understanding the links between human and non-human worlds are more crucial than ever. The twenty-five chapters of this edited

collection bring together significant positions in current landscape architecture research under five broad themes – History, Sites and Heritage, City and Nature, Ethics and Sustainability, Knowledge and Practice – supplemented with a discussion of landscape architecture education. Prominent as well as up-and-coming contributors from landscape architecture and adjacent fields including Tom Avermaete, Peter Carl, Gareth Doherty, Ottmar Ette, Matthew Gandy, Christophe Girod, Anne Whiston Spirn, Ian H. Thompson and Jane Wolff seek to widen, fuel, and frame critical discussion in this growing area. A significant contribution to landscape architecture research, this book will be beneficial not only to students and academics in landscape

architecture, but also to scholars in related fields such as history, architecture, and social studies.

Design Research in Architecture -

Murray Fraser 2021-07-29

What is the role of design research in the types of insight and knowledge that architects create? That is the central question raised by this book. It acts as the introductory overview for Ashgate's major new series, 'Design Research in Architecture' which has been created in order to establish a firm basis for this emerging field of investigation within architecture. While there have been numerous architects-scholars since the Renaissance who have relied upon the interplay of drawings, models, textual analysis, intellectual ideas and cultural insights to scrutinise the

discipline, nonetheless, until recently, there has been a reluctance within architectural culture to acknowledge and accept the role of design research as part of the discourse. However, in many countries around the world, one of the key changes in architecture and architectural education over the last decade has been the acceptance of design as a legitimate research area in its own right and this new series provides a forum where the best proponents of architectural design research can publish their work. This volume provides a broad overview on design research that supports and amplifies the different volumes coming out in the book series. It brings together leading architects and academics to discuss the more general issues involved in design

research. At the end, there is an Indicative Bibliography which alludes to a long history of architectural books which can be seen as being in the spirit of design research.

New Approaches to Medieval

Architecture - Robert Odell Bork 2011

The contributors to this book are among those at the forefront of the emergence of new critical perspectives and new technologies. Several of the essays present dramatic reinterpretations of canonical monuments; consider broader methodological issues such as the applications of geometry, workshop practice, and the shaping of historical narratives; and others demonstrate how high-tech scanning and visualization methods can enhance our understanding of construction methods and the behavior of

buildings.

Ways to Study and Research Urban, Architectural and Technical Design - T.M. de Jong 2002

How can we develop a scientific basis for architectural, urban and technical design? When can a design be labelled as scientific output, comparable with a scientific report? What are the similarities and dissimilarities between design and empirical research, and between design research, typological research, design study and study by design? Is there a need for a particular methodology for design driven study and research? With these questions in mind, more than forty members of the Faculty of Architecture of the Delft University of Technology have described their ways of study and research. Each

chapter shows the objectives, the methodology and its implementation in search for a deeper knowledge of design processes and an optimal quality of the design itself. The authors - among them architects, urban planners, social scientists, lawyers, technicians and information scientists - have widely differing backgrounds. Nevertheless, they share a great deal. The central focus is a better understanding of design processes, design tools and the effects of design interventions on issues such as utility, aesthetics meaning, sustainability and feasibility.

Visual Research Methods in Architecture - Igea Troiani
2021-08-06

This book offers a distinctive approach to the use of visual

methodologies for qualitative architectural research. It presents a diverse selection of ways for the architect or architectural researcher to use their gaze as part of their research practice for the purpose of visual literacy. Its contributors explore and use 'critical visualizations', which employ observation and sociocultural critique through visual creations – texts, drawings, diagrams, paintings, visual texts, photography, film and their hybrid forms – in order to research architecture, landscape design and interior architecture. The visual methods intersect with those used in ethnography, anthropology, visual culture and media studies. In presenting a range of interdisciplinary approaches, *Visual Methodologies in Architectural*

Research opens up territory for new forms of visual architectural scholarship.

The Routledge Companion to Games in Architecture and Urban Planning -

Marta Brković Dodig 2019-11-25

The Routledge Companion to Games in Architecture and Urban Planning aims to identify and showcase the rich diversity of games, including: simulation games, game-like approaches, game scenarios, and gamification processes for teaching/learning, design and research in architecture and urban planning. This collection creates an opportunity for exchange and reflection on games in architecture and urban planning. Theoretical discussions, descriptive accounts, and case studies presenting empirical evidence are featured; combined with

reflections, constructive critical analysis, discussions of connections, and various influences on this field. Twenty-eight international contributors have come together from eleven countries and five continents to present their studies on games in architecture and urban planning, pose new questions, and advocate for innovative perspectives.

The Changing Shape of Practice -

Michael U. Hensel 2016-04-14

Architectural practices worldwide have to deal with increasingly complex design requirements. How do practices acquire the ability to do so? The Changing Shape of Practice provides a handbook of examples for practices that wish to integrate more research into their work and a reference book for students that seek to prepare themselves for the

changing shape of practice in architecture. It addresses the increasing integration of research undertaken in architectural practices of different sizes ranging from small to very large practices from the UK, USA, Europe and Asia. The book is organized according to the size of the practices which is significant in that it addresses the different structures and resourcing requirements that are enabled by specific practice sizes, as this determines and constrains the type, scope and modes of research available to a given practice. The practices covered include: Woods Bagot Perkins + Will White AECOM UN Studio Shop Architects PLP Architecture Kieran Timberlake 3XN ONL AZPML Thomas Herzog + Partners Herreros Arquitectos Spacescape OCEAN Design

Research Association By taking stock of the current shape of practice, the book provides essential information for professional architects who are integrating research into their practice.

Reading Architecture - Angeliki Sioli
2018-04-09

Why write instead of draw when it comes to architecture? Why rely on literary pieces instead of architectural treatises and writings when it comes to the of study buildings and urban environments? Why rely on literary techniques and accounts instead of architectural practices and analysis when it comes to academic research and educational projects? Why trust authors and writers instead of sociologists or scientists when it comes to planning for the future of cities? This book

builds on the existing interdisciplinary bibliography on architecture and literature, but prioritizes literature's capacity to talk about the lived experience of place and the premise that literary language can often express the inexpressible. It sheds light on the importance of a literary instead of a pictorial imagination for architects and it looks into four contemporary architectural subjects through a wide variety of literary works. Drawing on novels that engage cities from around the world, the book reveals aspects of urban space to which other means of architectural representation are blind. Whether through novels that employ historical buildings or sites interpreted through specific literary methods, it suggests a range of methodologies for contemporary

architectural academic research. By exploring the power of narrative language in conveying the experience of lived space, it discusses its potential for architectural design and pedagogy. Questioning the massive architectural production of today's globalized capital-driven world, it turns to literature for ways to understand, resist or suggest alternative paths for architectural practice. Despite literature's fictional character, the essays of this volume reveal true dimensions of and for places beyond their historical, social and political reality; dimensions of utmost importance for architects, urban planners, historians and theoreticians nowadays.

Secondary Research Methods in the Built Environment - Emmanuel Manu

2021-03-11

The use of secondary data for research can offer benefits, particularly when limited resources are available for conducting research using primary methods. Researchers and students at both undergraduate and postgraduate levels, including their academic instructors, are increasingly recognising the immense opportunities in applying secondary research methods in built environment research. Advances in technology has also led to vast amounts of existing datasets that can be utilized for secondary research. This textbook provides a systematic guide on how to apply secondary research methods in the built environment, including their various underpinning methodologies. It provides guidance on the secondary research process,

benefits, and drawbacks of applying secondary research methods, how to source for secondary data, ethical considerations, and the various secondary research methods that can be applied in built environment research. The book incorporates chapters dealing with qualitative secondary analysis, systematic literature reviews, legal analysis, bibliometric and scientometric analysis, literature-based discovery, and meta-analysis. Secondary Research Methods in the Built Environment is an ideal research book for undergraduate and postgraduate students in construction management, construction project management, quantity surveying, construction law and dispute resolution, real estate and property management, building services engineering, architecture,

and civil engineering.

Mapping Controversies in Architecture

- Albená Yaneva 2016-05-13

The book tackles a number of challenging questions: How can we conceptualize architectural objects and practices without falling into the divides architecture/society, nature/culture, materiality/meaning? How can we prevent these abstractions from continuing to blind architectural theory? What is the alternative to critical architecture? Mapping controversies is a research method and teaching philosophy that allows divides to be crossed. It offers a new methodology for following debates surrounding contested urban knowledge. Engaging in explorations of on-going and recent controversies and re-visiting some well-known debates, the analysis

foregrounds, traces and maps the changing sets of positions triggered by design: the 2012 Olympics stadium in London, the Welsh parliament in Cardiff, the Heathrow airport runway extension, the Sydney Opera House, the Eiffel Tower. By mobilizing digital technologies and new computational design techniques we are able to visualize the variety of factors that impinge on design and

track actors' trajectories, changing groupings, concerns and modalities of action. The book places architecture at the intersection of the human and the nonhuman, the particular and the general. It allows its networks to be re-established and to run between local and global, social and technical. Mapping controversies can be extrapolated to a wide range of complex phenomena of hybrid nature.