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architects who engaged with cybernetics artificial intelligence and other technologies poured the foundation for digital interactivity in architectural intelligence molly wright steenson explores the work of four architects in the 1960s and 1970s who incorporated elements of interactivity into their work christopher alexander richard saul wurman cedric price and nicholas negroponte and the mit architecture machine group all incorporated technologies including cybernetics and artificial intelligence into their work and influenced digital design practices from the late 1980s to the present day alexander long before his famous 1977 book a pattern language used computation and structure to visualize design problems wurman popularized the notion of information architecture price designed some of the first intelligent buildings and negroponte experimented with the ways people experience artificial intelligence even at architectural scale steenson investigates how these architects pushed the boundaries of architecture and how their technological experiments pushed the boundaries of technology what did computational cybernetic and artificial intelligence researchers have to gain by engaging with architects and architectural problems and what was this new space that emerged within these collaborations at times steenson writes the architects in this book characterized themselves as anti architects and their work as anti architecture the projects steenson examines mostly did not result in constructed buildings but rather in design processes and tools computer programs interfaces digital environments alexander wurman price and negroponte laid the foundation for many of our contemporary interactive practices from information architecture to interaction design from machine learning to smart cities this is the proceedings of the xvi international congress of graphic design in architecture ega 2016 held in alcalá de henares spain in june 2016 about 200 professionals and researchers from 18 different countries attended the congress this book will be of interest to researchers in the field of architecture and engineering

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topics discussed are innovations in architecture graphic design and architecture history and heritage among others harry francis mallgrave combines a history of ideas about architectural experience with the latest insights from the fields of neuroscience cognitive science and evolutionary biology to make a powerful argument about the nature and future of architectural design today the sciences have granted us the tools to help us understand better than ever before the precise ways in which the built environment can affect the building user s individual experience through an understanding of these tools architects should be able to become better designers prioritizing the experience of space the emotional and aesthetic responses and the sense of homeostatic well being of those who will occupy any designed environment in from object to experience mallgrave goes further arguing that it should also be possible to build an effective new cultural ethos for architectural practice drawing upon a range of humanistic and biological sources and emphasizing the far reaching implications of new neuroscientific discoveries and models this book brings up to date insights and theoretical clarity to a position that was once considered revolutionary but is fast becoming accepted in architecture this book explains deep learning concepts and derives semi supervised learning and nuclear learning frameworks based on cognition mechanism and lie group theory lie group machine learning is a theoretical basis for brain intelligence neuromorphic learning nl advanced machine learning and advanced artificial intelligence the book further discusses algorithms and applications in tensor learning spectrum estimation learning finsler geometry learning homology boundary learning and prototype theory with abundant case studies this book can be used as a reference book for senior college students and graduate students as well as college teachers and scientific and technical personnel involved in computer science artificial intelligence machine learning automation mathematics management science cognitive science financial

management and data analysis in addition this text can be used as the basis for teaching the principles of machine learning li fanzhang is professor at the soochow university china he is director of network security engineering laboratory in jiangsu province and is also the director of the soochow institute of industrial large data he published more than 200 papers 7 academic monographs and 4 textbooks zhang li is professor at the school of computer science and technology of the soochow university she published more than 100 papers in journals and conferences and holds 23 patents zhang zhao is currently an associate professor at the school of computer science and technology of the soochow university he has authored and co authored more than 60 technical papers this book guides readers through the design of hardware architectures using vhdl for digital communication and image processing applications that require performance computing further it includes the description of all the vhdl related notions such as language levels of abstraction combinational vs sequential logic structural and behavioral description digital circuit design and finite state machines it also includes numerous examples to make the concepts presented in text more easily understandable kozma examines the use of metaphor and simile in the works of the twentieth century italian fiction writer alberto moravia whose novels include gli indifferenti 1929 and la romana 1947 she provides a comprehensive description of types of imagery in moravia s work organizing this compendium into a series of categories such as images of thought nature food and the human body the international building exhibition 1984 87 in berlin constitutes one of the most remarkable examples to discuss open architecture almost 10 000 dwellings were constructed or restored in the kreuzberg districts adjacent to the berlin wall inhabited about halfway by immigrants the renowned author esra akcan related in many ways to turkey berlin and the usa narrates the history and reverberations of this architectural political event take your creations to the next level

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with the lego architecture idea book these clever building tips will give you endless inspiration for making your own amazing mansions castles houses spooky shacks and more every chapter includes ideas for creating architectural elements like columns doors windows and walls but rather than providing step by step instructions the book includes helpful photography from every angle that shows you how to achieve the look adapt it to your build and make it your own learn how to build amazing walls that break the mold with brick and mortar effects weathered walls and loose bricks recreate structural effects like timber framing soaring towers and turrets shingled roofs clapboard siding and more elevate your models with stained glass intricate color patterns and tumble down wear and tear use pieces like croissants snakes and goblets to make unique architectural ornamentation bursting with clever ideas the lego architecture idea book will show you how to turn your buildings into impressive realistic structures the best selling revit guide now more complete than ever with all new coverage on the 2018 release mastering autodesk revit 2018 for architecture is packed with focused discussions detailed exercises and real world examples to help you get up to speed quickly on the latest version of autodesk revit for architecture organized according to how you learn and implement the software this book provides expert guidance for all skill levels hands on tutorials allow you to dive right in and start accomplishing vital tasks while compelling examples illustrate how revit for architecture is used in every project available online downloads include before and after tutorial files and additional advanced content to help you quickly master this powerful software from basic interface topics to advanced visualization techniques and documentation this invaluable guide is your ideal companion through the revit architecture workflow whether you re preparing for autodesk certification exams or just want to become more productive with the architectural design software practical exercises and expert instruction will get you where

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you need to be understand key bim and revit concepts and master the revit interface delve into templates work sharing and managing revit projects master modeling and massing the family editor and visualization techniques explore documentation including annotation detailing and complex structures bim software has become a mandatory asset in today s architecture field automated documentation updates reduce errors while saving time and money and autodesk s revit is the industry leader in the bim software space practical software architecture solutions from the legendary robert c martin uncle bob by applying universal rules of software architecture you can dramatically improve developer productivity throughout the life of any software system now building upon the success of his best selling books clean code and the clean coder legendary software craftsman robert c martin uncle bob reveals those rules and helps you apply them martin s clean architecture doesn t merely present options drawing on over a half century of experience in software environments of every imaginable type martin tells you what choices to make and why they are critical to your success as you ve come to expect from uncle bob this book is packed with direct no nonsense solutions for the real challenges you ll face the ones that will make or break your projects learn what software architects need to achieve and core disciplines and practices for achieving it master essential software design principles for addressing function component separation and data management see how programming paradigms impose discipline by restricting what developers can do understand what s critically important and what s merely a detail implement optimal high level structures for web database thick client console and embedded applications define appropriate boundaries and layers and organize components and services see why designs and architectures go wrong and how to prevent or fix these failures clean architecture is essential reading for every current or aspiring software architect systems analyst system designer and software manager and

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for every programmer who must execute someone else's designs register your product for convenient access to downloads updates and or corrections as they become available financial times best books of the year 2018 techrepublic top books every techie should read book description how will ai evolve and what major innovations are on the horizon what will its impact be on the job market economy and society what is the path toward human level machine intelligence what should we be concerned about as artificial intelligence advances architects of intelligence contains a series of in depth one to one interviews where new york times bestselling author martin ford uncovers the truth behind these questions from some of the brightest minds in the artificial intelligence community martin has wide ranging conversations with twenty three of the world's foremost researchers and entrepreneurs working in ai and robotics demis hassabis deepmind ray kurzweil google geoffrey hinton univ of toronto and google rodney brooks rethink robotics yann lecun facebook fei fei li stanford and google yoshua bengio univ of montreal andrew ng ai fund daphne koller stanford stuart russell uc berkeley nick bostrom univ of oxford barbara grosz harvard david ferrucci elemental cognition james manyika mckinsey judea pearl ucla josh tenenbaum mit rana el kaliouby affectiva daniela rus mit jeff dean google cynthia breazeal mit oren etzioni allen institute for ai gary marcus nyu and bryan johnson kernel martin ford is a prominent futurist and author of financial times business book of the year rise of the robots he speaks at conferences and companies around the world on what ai and automation might mean for the future meet the minds behind the ai superpowers as they discuss the science business and ethics of modern artificial intelligence read james manyika's thoughts on ai analytics geoffrey hinton's breakthroughs in ai programming and development and rana el kaliouby's insights into ai marketing this ai book collects the opinions of the luminaries of the ai business such as stuart russell coauthor of the leading ai textbook rodney

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brooks a leader in ai robotics demis hassabis chess prodigy and mind behind alphago and yoshua bengio leader in deep learning to complete your ai education and give you an ai advantage in 2019 and the future le corbusier famously said a house is a machine for living in we now confront the litany of environmental challenges associated with the legacy of the architectural machine a changing climate massive species die off diminished air and water quality and resource scarcities brook muller offers an alternative water centric urban design that fosters sustainability equity and architectural creativity inspired by the vernacular such as the levadas of madeira island and both the arid and drenched places of the american west muller articulates a hydro logical philosophy in which architects and planners begin by conceptualizing interactions between existing waterways and the spaces they intend to develop from these interactions and the new technologies and approaches enabling them aesthetic spatial and experiential opportunities follow not content merely to work around sensitive ecology muller argues for genuinely climate adapted urban landscapes in which buildings act as ecological infrastructure that actually improve watersheds while delivering functionality and beauty for diverse communities rich in images and practical examples blue architecture will change the way we think about our designed world architecture reflects not only a nation s history but also how its people lived worked prayed and fought over the centuries since the publication of john b hilling s the historic architecture of wales in 1976 there has been no other attempt at addressing the architecture of wales as a whole and this revised publication meets a long felt need for a general survey of architecture in wales it covers two thousand years of architectural history reflecting the nation s life from roman times to the present century less a revision of the original than a complete re writing taking into account recent research and recent buildings the book is illustrated with 268 colour and black and white photographs drawings plans and maps

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interior codes and standards reference of choice for designers and architects updated and revised completely revised and updated the seventh edition of the codes guidebook to interiors is the only book devoted exclusively to codes that are applicable to interior designers the guide features jargon free explanations of all the codes and standards that are relevant to designers and architects including performance codes building and finish standards energy codes and ada standards in addition the dozens of examples and a greatly enhanced with a set of illustrations including floor plans that clearly show how codes apply to real world project written by katherine e kennon a professional architect and facilities planner and sharon koomen harmon a professional interior designer and educator are experts on interior design and architecture codes updated coverage contains the most recent icc codes including the international building code and new material on the icc international green construction code as well as the nfpa s most recent life code the authors address a wide variety of building and project types large and small and they offer information on single family homes and historical and existing buildings the seventh edition includes easy to navigate format geared toward the code process as a whole a step by step guide through the codes relevant at each stage in the design process the newest changes to the ada standards and icc asi accessibility requirements a companion site that offers interactive checklists flashcards powerpoint lecture slides and an instructor s manual having all applicable codes in a single resource saves hours of research time and can dramatically reduce the potential for costly planning oversights whether renovation or new construction small or large codes apply to every project the codes guidebook for interiors provides designers with the comprehensive information they need to stay up to date this book explains a range of application design patterns and their implementation techniques using a single example app fully implemented in five design patterns instead of advocating for any particular

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pattern we lay out the problems all architectures are trying to address constructing the app's components communicating between the view and the model and handling non model state we show high level solutions to these problems and break them down to the level of implementation for five different design patterns two commonly used and three more experimental the common architectures are model view controller and model view viewmodel coordinator in addition to explaining these patterns conceptually and on the implementation level we discuss solutions to commonly encountered problems like massive view controllers on the experimental side we explain view state driven model view controller modeladapter viewbinder and the elm architecture by examining these experimental patterns we extract valuable lessons that can be applied to other patterns and to existing code bases the main objectives of this book are to expose key aspects that have a relevance when dealing with open data viewed from different perspectives and to provide appealing examples of how open data is implemented worldwide the concept of open data as we know it today is the result of many different initiatives both of a legislative and non legislative nature and promoted by a wide range of actors numerous regulatory antecedents to foster the concept of open data and embed it in national and international policy agendas have been undertaken on both sides of the atlantic as well as at a supranational level the book highlights a number of the efforts made to promote open data in europe asia and the united states in addition to new insights practical guidance and multiple disciplinary perspectives on open data the book also addresses the transformation of current developments towards open data which may be referred to as the democratisation of data this book will support open data practitioners as well as open data scholars in their endeavours to promote open data implementation and research bastiaan van loenen is associate professor and director of the knowledge centre open data at the faculty of architecture and

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the built environment of delft university of technology in the netherlands as is glenn vancauwenberghe who is a post doctoral researcher and joep cromptvoets is a professor at the public governance institute of the ku leuven in belgium this book introduces unmanned aircraft systems traffic management utm and how this new paradigm in traffic management integrates unmanned aircraft operations into national airspace systems exploring how utm is expected to operate including possible architectures for utm implementations and utm services including flight planning strategic coordination and conformance monitoring unmanned aircraft systems traffic management utm considers the boundaries of utm and how it is expected to interlace with tactical coordination systems to maintain airspace safety the book also presents the work of the global ecosystem of players advancing utm including relevant standards development organizations sdos and considers utm governance paradigms and challenges features describes utm concept of operations conops and global variations in architectures explores envisioned utm services including flight planning strategic coordination conformance monitoring contingency management constraints and geo awareness and remote identification highlights cybersecurity standards development and awareness covers approaches to the approval management and oversight of utm components and ecosystem considers the future of utm and potential barriers to its success international coordination and regulatory reform this book is an essential in depth annotated resource for developers unmanned aircraft system operators pilots policy makers researchers and academics engaged in unmanned systems transportation management and the future of aviation adults don t talk about the business of doing our business we work on one assumption the world of public bathrooms is problem and politics free no place to go answering the call of nature in the urban jungle reveals the opposite is true no place to go is a toilet tour from london to san francisco to toronto and beyond from pay

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potties to deserted alleyways no place to go is a marriage of urbanism social narrative and pop culture that shows the ways momentous and mockable public bathrooms just don't work like for the homeless who faced with no place to go sometimes literally take to the streets ever heard of a municipal poop map for people with invisible disabilities such as crohn's disease who stay home rather than risk soiling themselves on public transit routes for girls who quit sports teams because they don't want to run to the edge of the pitch to pee celebrities like lady gaga and bruce springsteen have protested bathroom bills that will stomp on the rights of transpeople and where was hillary clinton after she arrived back to the stage late after the first commercial break of the live televised democratic leadership debate in december 2015 stuck in a queue for the women's bathroom peel back the layers on public bathrooms and it's clear many more people want for good access than have it public bathroom access is about cities society design movement and equity the real question is why are public toilets so crappy in this 88 page edition ancient mysteries seeking the lost equator ice age era artifact of a destroyed civilization by jonathon a perrin the paranormal tunneling through time could visitors from the past the future be here after all by martin ruggles the unexplained vanishing acts tracking the strange disappearances of people animals worldwide by william b stoecker ufos u.s. forces vs ufos before roswell could forgotten accounts force a look at evidence once considered taboo by frank joseph the unexplained giants in the papers lost details of the senora skeleton finds by james viera hugh newman consciousness church energy what mystic science were the builders practicing by charles shahar the other side the way of st james was it sacred or a cover for the profane by steven sora ancient wisdom quest for a golden age have we been here before by geoffrey ashe the other side the dimensions of inspiration the strange case of victor hugo yet unsolved by john chambers alternative science reality fundamentally speaking what

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is it anyway by robert m schoch ph d the forbidden archaeologist forbidden archaeology and consciousness by michael a cremo astrology snow white the goblin farout and other denizens of the outer solar system by julie loar publisher s letter the sun a crystal in the making by j douglas kenyon this book argues that classical natural law jurisprudence provides a superior answer to the questions what is law and how should law be made rather than those provided by legal positivism and new natural law theories what is law how should law be made using st thomas aquinas s analogy of god as an architect brian mccall argues that classical natural law jurisprudence provides an answer to these questions far superior to those provided by legal positivism or the new natural law theories the architecture of law explores the metaphor of law as an architectural building project with eternal law as the foundation natural law as the frame divine law as the guidance provided by the architect and human law as the provider of the defining details and ornamentation classical jurisprudence is presented as a synthesis of the work of the greatest minds of antiquity and the medieval period including cicero aristotle gratian augustine and aquinas the significant texts of each receive detailed exposition in these pages along with mccall s development of the architectural image he raises a question that becomes a running theme throughout the book to what extent does one need to know god to accept and understand natural law jurisprudence given its foundational premise that all authority comes from god the separation of the study of law from knowledge of theology and morality mccall argues only results in the impoverishment of our understanding of law he concludes that they must be reunited in order for jurisprudence to flourish this book will appeal to academics students in law philosophy and theology and to all those interested in legal or political philosophy the book presents research from rob arch 2018 the fourth international conference on robotic fabrication in architecture art and design in capturing the myriad of scientific advances in robotics

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fabrication that are currently underway such as collaborative design tools computerised materials adaptive sensing and actuation advanced construction on site and cooperative robotics machine learning human machine interaction large scale fabrication and networked workflows to name but a few this compendium reveals how robotic fabrication is becoming a driver of scientific innovation cross disciplinary fertilization and creative capacity of an unprecedented kind this book investigates architectural and urban dimensions of the ethnic nationalist conflict in sarajevo the capital of bosnia and herzegovina during and after the siege of 1992 1995 focusing on the wartime destruction of a portion of the cityscape in central sarajevo and its post war reconstruction re inscription and memorialization the book reveals how such spatial transformations become complicit in the struggle for reconfiguration of the city s territory boundaries and place identity drawing on original research the study highlights the capacities of architecture and urban space to mediate terror violence and resistance and to deal with heritage of the war and act a catalyst for ethnic segregation or reconciliation based on a multi disciplinary methodological approach grounded in architectural and urban theory the spatial turn in critical social theory and assemblage thinking as well as techniques of spatial analysis in particular morphological mapping the book provides an innovative spatial framework for analyzing the political role of contemporary cities archaeologists and the public at large have long been fascinated by monumental architecture built by past societies whether considering the earthworks in the ohio valley or the grandest pyramids in egypt and mexico people have been curious as to how pre modern societies with limited technology were capable of constructing monuments of such outstanding scale and quality architectural energetics is a methodology within archaeology that generates estimates of the amount of labor and time allocated to construct these past monuments this methodology allows for detailed analyses of architecture and

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especially the analysis of the social power underlying such projects architectural energetics in archaeology assembles an international array of scholars who have analyzed architecture from archaeological and historic societies using architectural energetics it is the first such volume of its kind in addition to applying architectural energetics to a global range of architectural works it outlines in detail the estimates of costs that can be used in future architectural analyses this volume will serve archaeology and classics researchers and lecturers teaching undergraduate and graduate courses related to social power and architecture it also will interest architects examining past construction and engineering projects websites and apps are places where critical parts of our lives happen we shop bank learn gossip and select our leaders there but many of these places weren't intended to support these activities instead they're designed to capture your attention and sell it to the highest bidder living in information draws upon architecture as a way to design information environments that serve our humanity achieve the gold standard in penetration testing with kali using this masterpiece now in its fourth edition key features rely on the most updated version of kali to formulate your pentesting strategies test your corporate network against threats explore new cutting edge wireless penetration tools and features book description kali linux is a comprehensive penetration testing platform with advanced tools to identify detect and exploit the vulnerabilities uncovered in the target network environment with kali linux you can apply the appropriate testing methodology with defined business objectives and a scheduled test plan resulting in successful penetration testing project engagement this fourth edition of kali linux 2018 assuring security by penetration testing starts with the installation of kali linux you will be able to create a full test environment to safely practice scanning vulnerability assessment and exploitation you'll explore the essentials of penetration testing by collecting relevant data on the target network with the use of

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several footprinting and discovery tools as you make your way through the chapters you'll focus on specific hosts and services via scanning and run vulnerability scans to discover various risks and threats within the target which can then be exploited in the concluding chapters you'll apply techniques to exploit target systems in order to gain access and find a way to maintain that access you'll also discover techniques and tools for assessing and attacking devices that are not physically connected to the network including wireless networks by the end of this book you will be able to use nethunter the mobile version of kali linux and write a detailed report based on your findings what you will learn conduct the initial stages of a penetration test and understand its scope perform reconnaissance and enumeration of target networks obtain and crack passwords use kali linux nethunter to conduct wireless penetration testing create proper penetration testing reports understand the pci dss framework and tools used to carry out segmentation scans and penetration testing carry out wireless auditing assessments and penetration testing understand how a social engineering attack such as phishing works who this book is for this fourth edition of kali linux 2018 assuring security by penetration testing is for pentesters ethical hackers and it security professionals with basic knowledge of unix linux operating systems prior knowledge of information security will help you understand the concepts in this book you can use this book to design a house for yourself with your family you can use it to work with your neighbors to improve your town and neighborhood you can use it to design an office or a workshop or a public building and you can use it to guide you in the actual process of construction after a ten year silence christopher alexander and his colleagues at the center for environmental structure are now publishing a major statement in the form of three books which will in their words lay the basis for an entirely new approach to architecture building and planning which will we hope replace existing ideas and practices entirely

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the three books are the timeless way of building the oregon experiment and this book a pattern language at the core of these books is the idea that people should design for themselves their own houses streets and communities this idea may be radical it implies a radical transformation of the architectural profession but it comes simply from the observation that most of the wonderful places of the world were not made by architects but by the people at the core of the books too is the point that in designing their environments people always rely on certain languages which like the languages we speak allow them to articulate and communicate an infinite variety of designs within a forma system which gives them coherence this book provides a language of this kind it will enable a person to make a design for almost any kind of building or any part of the built environment patterns the units of this language are answers to design problems how high should a window sill be how many stories should a building have how much space in a neighborhood should be devoted to grass and trees more than 250 of the patterns in this pattern language are given each consists of a problem statement a discussion of the problem with an illustration and a solution as the authors say in their introduction many of the patterns are archetypal so deeply rooted in the nature of things that it seemly likely that they will be a part of human nature and human action as much in five hundred years as they are today learn architectural design using autocad this book shows you how to create architectural drawings and 3d models one step at a time brief explanation and step by step instructions make this book a perfect way to get started with architectural design using autocad in addition you can download the working files for chapter from the website and use them for any help author first introduces the autocad interface and then moves directly into architectural drawings you will learn to draw walls doors and openings windows stairs and elevations later you will use the 2d drawings to create a 3d model some of the skills you can acquire from this book are import hand

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drawn drawings and use them to create cad drawings use dynamic blocks to create doors and windows add dimensions and annotations to the drawing create elevations and 3d model table of contents part 1 creating 2d architectural drawings starting autocad 2018 inserting hand sketches scaling the hand sketches saving the document creating layers creating grid lines creating walls creating doors and windows creating stairs creating the first floor plan creating the sliding doors creating the balcony creating kitchen and bathroom fixtures adding furniture blocks adding hatch patterns and text adding text labels creating elevations hatching the elevation views adding dimensions creating grid bubbles layouts and title block printing part 2 creating 3d architectural model importing 2d drawings creating 3d walls create the ceiling creating doors on the ground floor creating 3d windows creating 3d stairs modeling the first floor creating the balcony creating railing creating the roof creating the terrain surface part 3 rendering adding materials adding cameras adding lights rendering download resource files from tutorialbook info if you are an educator you can request a free evaluation copy by sending us an email to online books999 gmail com in this ground breaking book the first to provide an overview of the theory and practice of experimental architecture rachel armstrong explores how interdisciplinary design led research practices are beginning to redefine the possibilities of architecture as a profession drawing on experts from disciplines as varied as information technology mathematics poetry graphic design scenography bacteriology marine applied science and robotics professor armstrong delineates original cutting edge architectural experiments through essays quotes poetry equations and stories written by an acknowledged pioneer of architectural experiment this visionary book is ideal for students and researchers wishing to engage in experimental practice based architectural and artistic research it introduces radical new ideas about architecture and provides ideas and inspiration which students

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and researchers can apply in their own work and proposals while practitioners can draw on it to transform their creative assumptions and develop thereby a distinctive edge to stand out in a highly competitive profession architectural science and the sun synthesizes physics climate program and perception to provide a foundation in the principles of architectural science related to the sun solar geometry solar analysis and design techniques passive design principles and daylighting part analytical handbook part inspiration source for schematic design the content comprises a critical component of effective sustainable design beyond the purely technical aspects of these topics architectural science and the sun begins with the premise that great architecture goes beyond energy performance and the visual aesthetic to engage all of the senses given that the stimuli to which our senses respond are physical phenomena such as light heat and sound the designer must manipulate these parameters through the craft of building form and technology to create the desired qualitative experience this book is designed to help the reader develop that skill an understanding of architects character traits can offer important insights into how they design buildings these traits include leadership skills necessary to coordinate a team honest and ethical behavior being well educated and possessing a life long love of learning flexibility resourcefulness and visionary and strategic thinking characteristics such as these describe a successful person architects also possess these traits but they have additional skills specifically valuable for the profession these will include the ability to question the use of digital media new materials processes and methods to convey meaning in architectural form although not exhaustive a discussion of such subjects as defining imaging persuading and fabricating will reveal representational meaning useful for the development of an understanding of architects character through the analogies and metaphors found in greek myth the book describes the elusive hard to define characteristics of architects to engage the

dilemmas of a changing architectural landscape building the architect's character explorations in traits examines traditional and archetypal characteristics of the successful architect to ask if they remain relevant today this book presents an in depth critical analysis of the internationally recognized place specific works of three iranian architects nader ardalán kamran diba and hossein amanat during the 60s and 70s and their significant contribution to the emerging anti modernist discourse it argues that from the mid 19th century onwards architecture and urban design in iran has been oscillated between two extremes of modernity and tradition drawing on the theory of critical regionalism kenneth frampton the book critically analyses writings and works of the above mentioned architects and contends that they created a space in between which unified two extremes of tradition and modernity in a creative way khalq i jadid new creation the book also contains three in depth interviews with architects to discuss their singular narrative of the creation of in between a concluding chapter addresses the promises of critical regionalist architecture and urban design in post revolutionary iran as well as the middle east where the dichotomy of tradition and modernity is yet a valid account for ages architects have been criticized for speaking an insular language known to some as archispeak writing architecture considers the process methods and value of architecture writing based on carter wiseman's 30 years of personal experience in writing editing and teaching in young architects how to write this book creatively tackles a problematic issue that wiseman considers to be a crucial characteristic of successful architecture writing clarity of thinking and expression he argues that because we live our lives within the built environment architecture is the most comprehensive and complex of all art forms even brilliantly inspired and complex architectural structures would only amount to misunderstood abstractions without the support and reinforcement of the clear explanation written as a primer for both college level students and practitioners writing

architecture acknowledges and explores the boundaries between different techniques of architecture writing from myriad perspectives and purposes a poetic description of the beauty and impact of a bridge will not illuminate the mechanical knowledge housed in the structure but at the same time dense architectural theory will not encourage individuals experiencing and supporting the bridge to perceive significance and usefulness in the design using excerpts and from writers in different genres and from different historical periods wiseman offers a unique and authoritative perspective on comprehensible writing skills needed for success this book analyses the new architecture for the protection of fundamental rights in europe after the entry into force of the lisbon treaty as a starting point it identifies how the eu has gained a prominent role in promoting and protecting fundamental rights at european level despite the absence of an unlimited mandate to address fundamental rights violations this new setting affects the traditional relationship between the eu the echr system and the member states and in the absence of eu accession to the echr enhances the risk of tensions and conflicts between the case law of the two european courts examples of these tensions and conflicts are explored in the area of freedom security and justice which is one of the most fundamental rights sensitive areas of eu law and one of the busiest areas of activity for the cjeu the book offers new insights into existing rules on the resolution of conflicts between eu and echr law before mapping out techniques actually used by domestic courts to avoid or address such conflicts a bold and unprecedented look at a cutting edge movement in architecture toward a living architecture is the first book length critique of the emerging field of generative architecture and its nexus with computation biology and complexity starting from the assertion that we should take generative architects rhetoric of biology and sustainability seriously christina cogdell examines their claims from the standpoints of the sciences they draw on complex systems theory

evolutionary theory genetics and epigenetics and synthetic biology she reveals significant disconnects while also pointing to approaches and projects with significant potential for further development arguing that architectural design today often only masquerades as sustainable cogdell demonstrates how the language of some cutting edge practitioners and educators can mislead students and clients into thinking they are getting something biological when they are not in a narrative that moves from the computational toward the biological and from current practice to visionary futures cogdell uses life cycle analysis as a baseline for parsing the material energetic and pollution differences between different digital and biological design and construction approaches contrary to green tech sustainability advocates she questions whether quartzite based silicon technologies and their reliance on rare earth metals as currently designed are sustainable for much longer challenging common projections of a computationally designed and manufactured future moreover in critiquing contemporary architecture and science from a historical vantage point she reveals the similarities between eugenic design of the 1930s and the aims of some generative architects and engineering synthetic biologists today each chapter addresses a current architectural school or program while also exploring a distinct aspect of the corresponding scientific language theory or practice no other book critiques generative architecture by evaluating its scientific rhetoric and disjunction from actual scientific theory and practice based on the author s years of field research in architecture studios and biological labs this rare field building book does no less than definitively unsparingly explain the role of the natural sciences within contemporary architecture 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 this volume argues that contemporary political and security revisionism should not be considered a homogenous attack against the international order but rather a bag of tailor made strategies to exploit opportunities found in various highly localised contexts scholars with backgrounds in security studies area studies international relations and political theory are brought to examine revisionist tendencies in central eastern europe post soviet space china and the transatlantic space in doing so they try to remedy the existing disciplinary separatism or policing which has obfuscated any theorisation of the connections between international and domestic politics for many decades part of the analytical focus is on novel phenomena especially the utilization of cyberspace and new social media and technological innovation one of the conclusions of this volume is that the rise in contemporary revisionism shows the oft forgotten importance of the first image of international politics political leaders in other words do indeed matter the fact that

they matter is only reinforced when they represent regional or even great powers and especially revisionist regimes and states with the propensity to produce complex effects the chapters in this book were originally published as a special issue of the journal europe asia studies in this 88 page edition popular culture pushing back against tech tyranny can the new luddites close pandora s box by susan b martinez ph d ancient mysteries the prosecution doesn t rest evidence for crime in the great pyramid continues to mount by scott creighton lost history searching for antilia hyperborea atlantis and lemuria were not the only legendary destinations of antiquity by frank joseph the unexplained socrates his inner voice was the great philosopher mentally ill or something else by robert m schoch ph d ancient mysteries portals to the multiverse is there more to indigenous petroglyphs than meets the eye by ken wells the unexplained a conan doyle the fairies why did the creator of sherlock holmes stake so much on his case for little people by hunter liguore cryptozoology where be dragons what if the stories were not entirely imaginary by steven sora alternative history the riddles of time do the orthodox schedules of our past really line up with the facts by william b stoecker ancient america lady liberty indigenous mother wisdom the ancient bond between native americans and the goddess in new york harbor by robert hieronimus ph d laura e cortner future science impossible material ushers in the graphene age the stuff the journals rejected is now the coming revolution by jeane manning the forbidden archaeologist by michael cremo the silurian hypothesis reconsidered astrology goddess signs astrology of the sacred feminine by julie loar publisher s letter life sustaining resources from dead space rocks by j douglas kenyon architect and deploy a power bi solution this book will help you understand the many available options and choose the best combination for hosting developing sharing and deploying a power bi solution within your organization pro power bi architecture provides detailed examples and explains the different

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