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Second Language Acquisition Myths - Steven Brown 2012-03-15

This volume was conceived as a first book in SLA for advanced undergraduate or introductory master's courses that include education majors, foreign language education majors, and English majors. It's also an excellent resource for practicing teachers. Both the research and pedagogy in this book are based on the newest research in the field of second language acquisition. It is not the goal of this book to address every SLA theory or teach research methodology. It does however address the myths and questions that non-specialist teacher candidates have about language learning. Steven Brown is the co-author of the introductory applied linguistics textbook *Understanding Language Structure, Interaction, and Variation* textbook (and workbook). The myths challenged in this book are: § Children learn languages quickly and easily while adults are ineffective in comparison. § A true bilingual is someone who speaks two languages perfectly. § You can acquire a language simply through listening or reading. § Practice makes perfect. § Language students learn (and retain) what they are taught. § Language learners always benefit from correction. § Individual differences are a major, perhaps the major, factor in SLA. § Language acquisition is the individual acquisition of grammar.

Metamorphism - Ákos Moravánszky 2017-11-20

Materiality is a recurring and central issue in architecture. This book explains how materials are "constructed", how they become cultural substances. *Metamorphism* investigates the complex relationship between natural materials and technology, science and sensuality. Gottfried Semper (1803–1879) made the notion of *Stoffwechsel* the key element of his theory. With this concept he intended to explain how a structural form originally bound to a method of processing is transferred from one material to another, liberated from its original function. For the first time, the book investigates the subject from a historic point of view whilst reflecting on current interdisciplinary research. Examples from Aalto to Zumthor illustrate the specific aspects of historic and contemporary material concepts.

Stirling + Wilford - Peter C. Papademetriou 2014

James Stirling and Michael Wilford realised a significant body of work during their partnership. Considered one of the most important international architectural practices of the twentieth century, Stirling and Wilford made an exceptional contribution to contemporary architecture. Young, radical and eccentric, their work rejected the prevalent orthodoxy of the International Style, revisiting instead the early masters of heroic Modernism and achieving legendary status amongst a younger generation of architects. With early work in the UK and then Europe, from the late 1970s the practice designed buildings at four American Universities: Harvard, Rice, Cornell and UC Irvine, as well as a number of unbuilt projects. The Arthur M Sackler Museum at Harvard University, 1984, retains an iconic status, and straddles the postmodern and classical vocabulary that Stirling and Wilford employed at the Neue Staatsgalerie in Stuttgart, 1984, and No 1 Poultry, completed in 1997, after Stirling's death in 1992. Yet, despite the significance of these projects, until now, the contribution of the practice's work in the United States to the development of late twentieth century architecture has never been fully appraised. Through texts by eminent contributors including Kenneth Frampton, Robert Maxwell and Anthony Vidler, *Stirling and Wilford American Buildings* reassesses the importance of this body of work, establishing the legacy of the later American work of one of the twentieth century's most influential architectural practices.

Never Built New York - Greg Goldin 2016

Following on the success of *Never Built Los Angeles* (Metropolis Books, 2013), authors Greg Goldin and Sam Lubell now turn their eye to New York City. New York towers among world capitals, but the city we know might have reached even more stellar heights, or burrowed into more destructive depths, had the ideas pictured in the minds of its greatest dreamers progressed beyond the drawing board and taken form in stone, steel, and glass. What is wonderfully elegant and grand might easily have been ingloriously grandiose; what is blandly unremarkable, equally, might have become delightfully provocative or humanely inspiring. The ambitious schemes gathered here tell the story of a different skyline and a different sidewalk alike. Nearly 200

ambitious proposals spanning 200 years encompass bridges, skyscrapers, master plans, parks, transit schemes, amusements, airports, plans to fill in rivers and extend Manhattan, and much, much more. Included are alternate visions for such landmarks as Central Park, Columbus Circle, Lincoln Center, MoMA, the U.N., Grand Central Station and the World Trade Centre site, among many others sites. Fact-filled and entertaining texts, as well as sketches, renderings, prints, and models drawn from archives all across the New York metropolitan region tell stories of a new New York, one that surely would have changed the way we inhabit and move through the city.

The Architecture of Robert Venturi - Robert Venturi 1989

Mead (art history, U. of New Mexico) examines the diversity of Venturi's work--the freckled facade of the Institute for Scientific Information, the florid decoration of Best in Pennsylvania, the solid concrete faces as well as friendly beach houses. Annotation copyrighted by Book News, Inc., Portland, OR

The Magic Hour - Alex Farquharson 2001

Edited by Alex Farquharson. Essays by Dave Hickey, Libby Lumpkin, Ralph Rugoff, Robert Venturi. Includes work by: Reverend Ethan Acres, Philip Argent, David Batchelor, Tim Bavington, Jane Callister, Karen Carson, E. Chen, Marcel Duchamp, Jane Hilton, Jim Isermann, Steven Izenour, Rem Koolhaas, Liberace, Silke Otto-Knapp, Raymond Pettibon, Jack Pierson, David Reed, Victoria Reynolds, Denise Scott Brown, Jim Shaw, Bridget Smith, Jeffrey Vallance, Andy Warhol, Yek.

Dogs on Rocks - William Wegman 2008

A collection of photographs by artist William Wegman taken at the A.S.A.P. summer retreat in Maine.

Subnature - David Gissen 2012-03-20

We are conditioned over time to regard environmental forces such as dust, mud, gas, smoke, debris, weeds, and insects as inimical to architecture. Much of today's discussion about sustainable and green design revolves around efforts to clean or filter out these primitive elements. While mostly the direct result of human habitation, these 'subnatural forces' are nothing new. In fact, our ability to manage these forces has long defined the limits of civilized life. From its origins, architecture has been engaged in both fighting and embracing these so-called destructive forces. In *Subnature*, David Gissen, author of our critically acclaimed *Big and Green*, examines experimental work by today's leading designers, scholars, philosophers, and biologists that rejects the idea that humans can somehow recreate a purely natural world, free of the untidy elements that actually constitute nature. Each chapter provides an examination of a particular form of subnature and its actualization in contemporary design practice. The exhilarating and at times unsettling work featured in *Subnature* suggests an alternative view of natural processes and ecosystems and their

relationships to human society and architecture. R&Sie(n)'s Mosquito Bottleneck house in Trinidad uses a skin that actually attracts mosquitoes and moves them through the building, while keeping them separate from the occupants. In his building designs the architect Philippe Rahm draws the dank air from the earth and the gasses and moisture from our breath to define new forms of spatial experience. In his *Underground House*, *Mollier House*, and *Omnisport Hall*, Rahm forces us to consider the odor of soil and the emissions from our body as the natural context of a future architecture. [Cero 9]'s design for the Magic Mountain captures excess heat emitted from a power generator in Ames, Iowa, to fuel a rose garden that embellishes the industrial site and creates a natural mountain rising above the city's skyline. *Subnature* looks beyond LEED ratings, green roofs, and solar panels toward a progressive architecture based on a radical new conception of nature.

Immaterial Architecture - Jonathan Hill 2006-04-18

This fascinating argument from Jonathan Hill presents the case for the significance and importance of the immaterial in architecture. Architecture is generally perceived as the solid, physical matter that it unarguably creates, but what of the spaces it creates? This issue drives Hill's explorative look at the immaterial aspects of architecture. The book discusses the pressures on architecture and the architectural profession to be respectively solid matter and solid practice and considers concepts that align architecture with the immaterial, such as the superiority of ideas over matter, command of drawing and design of spaces and surfaces. Focusing on immaterial architecture as the perceived absence of matter, Hill devises new means to explore the creativity of both the user and the architect, advocating an architecture that fuses the immaterial and the material and considers its consequences, challenging preconceptions about architecture, its practice, purpose, matter and use. This is a useful and innovative read that encourages architects and students to think beyond established theory and practice.

Complexity - Andrea Gleiniger 2008-01-01

Digitalization has transformed the discourse of architecture: that discourse is now defined by a wealth of new terms and concepts that previously either had no meaning, or had different meanings, in the context of architectural theory and design. Its concepts and strategies are increasingly shaped by influences emerging at the intersection with scientific and cultural notions from modern information technology. The series *Context Architecture* seeks to take a critical selection of concepts that play a vital role in the current discourse and put them up for discussion. When Vitruvius described the architect as a "uomo universale," he gave rise to the architect's conception of him- or herself as a generalist who shapes a complex reality. The architectural concept of complexity, however, failed to keep pace with industrial and social reality, becoming instead an increasingly formal and superficial notion that could ultimately be applied to almost anything. Against it,

architectural modernism set the watchword of simplification: "less is more." In this situation, Robert Venturi reintroduced the notion of complexity into architectural discourse: his goal was not just to restore the complexity of architectonic forms and their history but also to explore the concrete reality of the existing built environment. Today it is complexity studies, with their starting point in physics, that define the current approach to the concept of complexity. They have established a new connection between the natural sciences and information technology and have thus become a central premise of computer-based approaches to design.

Learning from La Jolla - Hugh Marlais Davies 1996

Contributions by Robert Venturi. Text by Laurie Ann Farrell, Hugh Davies.

Radical Pedagogies - Beatriz Colomina 2022-05-31

Experiments in architectural education in the post-World War II era that challenged and transformed architectural discourse and practice. In the decades after World War II, new forms of learning transformed architectural education. These radical experiments sought to upend disciplinary foundations and conventional assumptions about the nature of architecture as much as they challenged modernist and colonial norms, decentered building, imagined new roles for the architect, and envisioned participatory forms of practice. Although many of the experimental programs were subsequently abandoned, terminated, or assimilated, they nevertheless helped shape and in some sense define architectural discourse and practice. This book explores and documents these radical pedagogies and efforts to defy architecture's status quo. The experiments include the adaptation of Bauhaus pedagogy as a means of "unlearning" under the conditions of decolonization in Africa; a movement to design for "every body," including the disabled, by architecture students and faculty at the University of California, Berkeley; the founding of a support network for women interested in the built environment, regardless of their academic backgrounds; and a design studio in the USSR that offered an alternative to the widespread functionalist approach in Soviet design. Viewed through their dissolution and afterlife as well as through their founding stories, these projects from the last century raise provocative questions about architecture's role in the new century.

Thirtyfour Campgrounds - Martin Hogue 2016-11-04

A photographic survey of nearly 6,500 American campsites that maps subtle differences within the seemingly identical. Camping can make us feel a powerful connection to nature and our rugged backwoods forebears. Campers once confronted the elemental facts of life, but now, the millions of Americans taking to the road on camping trips are more likely to drive to a campground, hook up service conduits, connect to WiFi, drop their awnings, and set out patio chairs. It is as if, Martin Hogue observes, each campsite functions as a stage upon

which campers perform a series of ritualized activities (pitching the tent, building a fire, cooking over flames). In *Thirtyfour Campgrounds*, Hogue investigates these sites, individually and in multiples, offering a photographic and typological survey of nearly 6,500 American campsites, mapping subtle differences within the apparently identical. The central part of the book consists of color photographs of individual campsites, downloaded from such online reservation websites as reserveamerica.com and recreation.gov, organized by zip code, and arranged in grids across the pages. Hogue nods to artist Ed Ruscha's *Thirtyfour Parking Lots* for his title and its attitude, and to the work of Bernd and Hilla Becher for the serial arrangement of images in grids. The campsite pictures seem at first endlessly repetitious; but then the repetition makes way for difference. Time reveals itself in fading light and passing clouds, the weather changes between photographs of neighboring sites, leaves turn color and fall, in an unexpected kind of time-lapse photography. This is a book that was made so seriously that it must (not) be taken too seriously. More scientific than any campground literature, *Thirtyfour Campgrounds* calls the very nature of scientific survey, research, and publication into question.

Graphic Design for Architects - Karen Lewis 2015-06-26

Graphic Design for Architects is a handbook of techniques, explanations and examples of graphic design most relevant to architects. The book covers a variety of scales of graphic design, everything from portfolio design and competition boards, to signage and building super-graphics – to address every phase of architectural production. This book combines and expands on information typically found in graphic design, information design, and architectural graphics books. As architectural communication increases to include more territory and components of a project, it is important for designers to be knowledgeable about the various ways in which to communicate visually. For instance, signage should be designed as part of the process – not something added at the end of a project; and the portfolio is a manifestation of how the designer works, not just an application to sell a design sensibility. In thinking about architecture as a systematic and visual project, the graphic design techniques outlined in this book will help architects process, organize and structure their work through the lens of visual communication. Each chapter is titled and organized by common architectural modes of communication and production. The chapters speak to architects by directly addressing projects and topics relevant to their work, while the information inside each chapter presents graphic design methods to achieve the architects' work. In this way, readers don't have to search through graphic design books to figure out what's relevant to them – this book provides a complete reference of graphic techniques and methods most useful to architects in getting their work done.

Vernacular Architecture and Regional Design - Kingston Heath 2009

A governing principle of sustainable architecture is that buildings need to reflect upon and respond to the environment they are placed in. Through a series of international case studies, *Vernacular Architecture and Regional Design* re-examines vernacular architectural theory and looks at what gives buildings a sense of place. The book equips the professional architect with the tools to realise socially responsible principles as part of the design process. The case studies of contemporary architects' work provide real examples of how the study of vernacular architecture can contribute directly to practice in sustainable design. It considers architecture and design as integrated social processes, not just technical or aesthetic exercises, thus showing how local building traditions can become part of a wider architectural and social fabric. *Vernacular Architecture and Regional Design* will appeal to professionals around the world in the fields of architecture, architectural heritage and urban design. * A series of international case studies demonstrates the place of vernacular architecture in the design process for a wide selection of contemporary architects' work. * Offers a clear analysis of the vernacular building tradition, placing architecture in its social context. * Introduces a new, socially and environmentally inspired approach to sustainable design.

Venturi, Scott Brown & Associates - Stanislaus von Moos 1999

Also presented are spectacular renovations for the Frank Furness library building at the University of Pennsylvania and Harvard's Memorial Hall and designs for houses, exhibitions, fabrics, furniture, and decorative items. The catalog, written by the architects, focuses on important aspects of their practice in the late 1980s and the 1990s, notably the juxtaposition of a "hype" sensibility in decoration - manifested in large-scale LED signs and colorful supergraphics - and a generic architecture. The introductory essay, by Stanislaus von Moos, discusses five major themes in Venturi and Scott Brown's architecture: its dialogue with their hometown, Philadelphia, as both a national shrine and a center of architectural innovation; the importance of the American campus as a model for planning and design; organicism as a source of their design theory; the role of realism and abstraction in the firm's architecture; and the Venturis' recent interest in Japan and its traditions.

The American Idea of Home - Bernard Friedman 2017-05-02

Over thirty leaders in American architecture discuss the most significant issues in the field today. "Home is an idea," Meghan Daum writes in her foreword, "a story we tell ourselves about who we are and who and what we want closest in our midst." In *The American Idea of Home*, documentary filmmaker Bernard Friedman interviews more than thirty leaders in the field of architecture about a constellation of ideas relating to housing and home. The interviewees include Pritzker Prize winners Thom Mayne, Richard Meier, and Robert Venturi; Pulitzer Prize winners Paul Goldberger and Tracy Kidder; American Institute of Architects head Robert Ivy;

and legendary architects such as Denise Scott Brown, Charles Gwathmey, Kenneth Frampton, and Robert A. M. Stern. *The American idea of home and the many types of housing that embody it* launch lively, wide-ranging conversations about some of the most vital and important issues in architecture today. The topics that Friedman and his interviewees discuss illuminate five overarching themes: the functions and meanings of home; history, tradition, and change in residential architecture; activism, sustainability, and the environment; cities, suburbs, and regions; and technology, innovation, and materials. Friedman frames the interviews with an extended introduction that highlights these themes and helps readers appreciate the common concerns that underlie projects as disparate as Katrina cottages and Frank Lloyd Wright Usonian houses. Readers will come away from these thought-provoking interviews with an enhanced awareness of the "under the hood" kinds of design decisions that fundamentally shape our ideas of home and the dwellings in which we live.

Ten Canonical Buildings 1950-200 - Peter Eisenman 2008

Robert Venturi, Denise Scott Brown, and Steven Izenour at Acadia Summer Arts Program - Marion Boulton Stroud 2010

The founder of the Acadia Summer Arts Program, Marion Boulton Stroud, asked Robert Venturi, Denise Scott Brown and Steven Izenour to design and construct houses and other structures for the camp. The architects took as inspiration Maine's indigenous architecture, such as shingle houses and lobster shacks.

Training Spatial Abilities - Andri Gerber 2020-04

It has been shown that spatial perception can be improved through practice. Opportunities to offer such practice are offered in this workbook, which was tested by nearly one thousand architecture students before publication, and emerged from an academic study funded by the Swiss National Science Foundation, conducted jointly by the Zurich University of Applied Sciences (ZHAW) and the ETH Zurich. The book contains 90 exercises that work with architectural elements but can be mastered without prior knowledge, plus a section with solutions and explanatory texts by experts from theory and practice by M. Berkowitz, D. Dietz, B. Emo, A. Gerber, Chr. Hölscher, P. Holgate, St. Kurath, C. Leopold, D. Schulz, Th. & N. Shipley, E. Stern, D. Uttal.

A Pattern Language - Christopher Alexander 2018-09-20

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." 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 formal 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 seems likely that they will be a part of human nature, and human action, as much in five hundred years as they are today.

Robert Venturi's Rome - Frederick Fisher 2017

"Robert Venturi's *Rome* is a guidebook to the city of Rome seen through the eyes of Robert Venturi and re-interpreted by two subsequent Rome Prize fellows and architect, Frederick Fisher and Stephen Harby. Published in 1966, Venturi viewed architecture, landscape, and art as different manifestations of common themes. Fundamental to the development of any young architects' outlook on architecture, Venturi wrote this seminal publication following a two-year Rome Prize fellowship at the American Academy in Rome. Many buildings in Rome serve as examples that illustrate his theories, underscoring the city's profound influence on Venturi's thinking: from the Pantheon, through works by his favorite artist, Michelangelo, and on to 20th century buildings by Armando Brasini and Luigi Moretti, Venturi reveals Rome as a complex and contradictory city." -- Book jacket.

Abstracting Craft - Malcolm McCullough 1998

In this investigation of the possibility of craft in the digital realm, the author discusses the emergence of computation as a medium, rather than just a set of tools, suggesting a growing correspondence between digital work and traditional craft.

Landscape Design - Elizabeth Barlow Rogers 2001

From ancient Egyptian royal cemeteries to great 18th-century English estates and the earth works of today, this volume spans the history of landscape design, revealing a great deal about the development of societies, and how cities, parks and gardens embody cultural values.

Mother's House - Vincent Scully 1997-08-01

The house that Robert Venturi designed for his mother in Chestnut Hill, Phila., & had built in 1964, is arguably the most architecturally influential building of the second half of the 20th century. Here, Robert Venturi reflects on this seminal building from a distance of over 25 years. He discusses why its style & form, once so revolutionary, are accepted now. Presents for the first time all of the developmental drawings that were executed to accompany the 6 stages of the design. Also included are original construction drawings, yellow tracing-paper drawings, photos of the house, & the series of models that were made.

Complexity and Contradiction in Architecture - Robert Venturi 1977

Foreword by Arthur Drexler. Introduction by Vincent Scully.

Alan I W Frank House - 2019-11-12

The first book to feature this modernist masterpiece, one of Walter Gropius and Marcel Breuer's most important residential commissions. Offering a rare opportunity to explore the largest and most luxurious house designed by Walter Gropius, founder of the Bauhaus, and Marcel Breuer, leading architect and furniture designer of the twentieth century, this beautifully designed volume celebrates the Alan I W Frank House in Pittsburgh, Pennsylvania. Built in 1939-40, the house embodies the Bauhaus "total work of art" philosophy, with Gropius and Breuer having designed every aspect of the building and its site. Illustrations including new and archival images and the architects' plans and sketches highlight an exquisite balance of proportions and colors. Accompanying essays place this house firmly within the American modernist canon just as the Bauhaus celebrates its one-hundredth anniversary in 2019.

William L. Price - George E. Thomas 2000-03

"Price, a disciple of Frank Furness who practiced in Philadelphia from 1883 to 1916, established the character of two of the nation's greatest resorts, Atlantic City and Miami, thus shaping the architecture of the Roaring Twenties.

Minaret - Jonathan Bloom 1989

Using buildings, archaeological reports, medieval histories, geographies and early Arabic poetry, this book reinterprets the origin, development and meanings of the minaret. explaining how the tower became identified with Islam. Bloom shows how the introduction of the tower into the mosque marked a major shift in the

iconography of architecture and how the tower, once a sign of political and royal power, became associated with religious architecture. Charting the spread of the minaret throughout the Islamic lands until its universal acceptance as a sign, Bloom concludes with an overview of subsequent developments once the minaret had become the symbol of Islam.

Competing on Analytics - Thomas H. Davenport 2007-03-06

You have more information at hand about your business environment than ever before. But are you using it to “out-think” your rivals? If not, you may be missing out on a potent competitive tool. In Competing on Analytics: The New Science of Winning, Thomas H. Davenport and Jeanne G. Harris argue that the frontier for using data to make decisions has shifted dramatically. Certain high-performing enterprises are now building their competitive strategies around data-driven insights that in turn generate impressive business results. Their secret weapon? Analytics: sophisticated quantitative and statistical analysis and predictive modeling. Exemplars of analytics are using new tools to identify their most profitable customers and offer them the right price, to accelerate product innovation, to optimize supply chains, and to identify the true drivers of financial performance. A wealth of examples—from organizations as diverse as Amazon, Barclay’s, Capital One, Harrah’s, Procter & Gamble, Wachovia, and the Boston Red Sox—illuminate how to leverage the power of analytics.

The Fractal Dimension of Architecture - Michael J. Ostwald 2016-09-01

Fractal analysis is a method for measuring, analysing and comparing the formal or geometric properties of complex objects. In this book it is used to investigate eighty-five buildings that have been designed by some of the twentieth-century’s most respected and celebrated architects. Including designs by Le Corbusier, Eileen Gray, Frank Lloyd Wright, Robert Venturi, Frank Gehry, Peter Eisenman, Richard Meier and Kazuyo Sejima amongst others, this book uses mathematics to analyse arguments and theories about some of the world’s most famous designs. Starting with 625 reconstructed architectural plans and elevations, and including more than 200 specially prepared views of famous buildings, this book presents the results of the largest mathematical study ever undertaken into architectural design and the largest single application of fractal analysis presented in any field. The data derived from this study is used to test three overarching hypotheses about social, stylistic and personal trends in design, along with five celebrated arguments about twentieth-century architecture. Through this process the book offers a unique mathematical insight into the history and theory of design.

Learning from Las Vegas - Robert Venturi 1977-01

Surveys the architecture of the Las Vegas Strip and examines the role of urban sprawl, advertising, and

commercial iconography in contemporary building design.

Frank Furness: The Complete Works - George E. Thomas 1996-12

This encyclopedic book is the first complete monograph of Furness's work. More than 670 projects are presented through 700 photographs and drawings.

Soft Architecture Machines - Nicholas Negroponte 1975

A utopian view of the future relationship between architects and machines.

Iconography and Electronics Upon a Generic Architecture - Robert Venturi 1998-02-06

This new collection of writings in a variety of genres argues for a generic architecture defined by iconography and electronics, an architecture whose elemental qualities become shelter and symbol.

Architecture as Signs and Systems - Robert Venturi 2004

The observer-designer-theorists who analyzed the Las Vegas strip as an archetype in "Learning from Las Vegas" now turn their iconoclastic vision onto their own remarkable partnership and the rule-breaking architecture it has spawned for this fascinating retrospective of their life work.

Vision and Brain - James V. Stone 2012-09-14

An engaging introduction to the science of vision that offers a coherent account of vision based on general information processing principles. In this accessible and engaging introduction to modern vision science, James Stone uses visual illusions to explore how the brain sees the world. Understanding vision, Stone argues, is not simply a question of knowing which neurons respond to particular visual features, but also requires a computational theory of vision. Stone draws together results from David Marr's computational framework, Barlow's efficient coding hypothesis, Bayesian inference, Shannon's information theory, and signal processing to construct a coherent account of vision that explains not only how the brain is fooled by particular visual illusions, but also why any biological or computer vision system should also be fooled by these illusions. This short text includes chapters on the eye and its evolution, how and why visual neurons from different species encode the retinal image in the same way, how information theory explains color aftereffects, how different visual cues provide depth information, how the imperfect visual information received by the eye and brain can be rescued by Bayesian inference, how different brain regions process visual information, and the bizarre perceptual consequences that result from damage to these brain regions. The tutorial style emphasizes key conceptual insights, rather than mathematical details, making the book accessible to the nonscientist and suitable for undergraduate or postgraduate study.

Norman Foster - Deyan Sudjic 2010-09-02

Amongst many other buildings, Norman Foster is responsible for the design of Beijing's new airport, one of

the world's largest, for the Rossiya tower in Moscow, in contention to be the tallest skyscraper in Europe until the credit crunch killed it, for one of the towers at Ground Zero in Manhattan, and for a crop of new towers in London. He designed the Reichstag, the Hong Kong and Shanghai Banks headquarters in London and China, the new Wembley stadium and the British Museum's new court. Deyan Sudjic's insightful and elegantly written biography charts the remarkable life of one of the world's most influential architectural figures.

Architecture and the Smart City - Sergio M. Figueiredo 2019-11-08

Increasingly the world around us is becoming 'smart.' From smart meters to smart production, from smart surfaces to smart grids, from smart phones to smart citizens. 'Smart' has become the catch-all term to indicate the advent of a charged technological shift that has been propelled by the promise of safer, more convenient and more efficient forms of living. Most architects, designers, planners and politicians seem to agree that the smart transition of cities and buildings is in full swing and inevitable. However, beyond comfort, safety and efficiency, how can 'smart design and technologies' assist to address current and future

challenges of architecture and urbanism? Architecture and the Smart City provides an architectural perspective on the emergence of the smart city and offers a wide collection of resources for developing a better understanding of how smart architecture, smart cities and smart systems in the built environment are discussed, designed and materialized. It brings together a range of international thinkers and practitioners to discuss smart systems through four thematic sections: 'Histories and Futures', 'Agency and Control', 'Materialities and Spaces' and 'Networks and Nodes'. Combined, these four thematic sections provide different perspectives into some of the most pressing issues with smart systems in the built environment. The book tackles questions related to the future of architecture and urbanism, lessons learned from global case studies and challenges related to interdisciplinary research, and critically examines what the future of buildings and cities will look like.

Constructs - Nina Rappaport 2010-09