

Vol. I

Patrik Schumacher

THE AUTOPOIESIS OF ARCHITECTURE

A New Framework for Architecture

The Autopoiesis Of Architecture Book

Patrik Schumacher



The Autopoiesis Of Architecture Book:

The Autopoiesis of Architecture, Volume I Patrik Schumacher, 2011-04-20 Take a theoretical approach to architecture with *The Autopoiesis of Architecture* which presents the topic as a discipline with its own unique logic Architecture's conception of itself is addressed as well as its development within wider contemporary society Author Patrik Schumacher offers innovative treatment that enriches architectural theory with a coordinated arsenal of concepts facilitating both detailed analysis and insightful comparisons with other domains such as art science and politics He explores how the various modes of communication comprising architecture depend upon each other combine and form a unique subsystem of society that co evolves with other important autopoietic subsystems like art science politics and the economy The first of two volumes that together present a comprehensive account of architecture's autopoiesis this book elaborates the theory of architecture's autopoiesis in 8 parts 50 sections and 200 chapters Each of the 50 sections poses a thesis drawing a central message from the insights articulated within the respective section The 200 chapters are gathering and sorting the accumulated intelligence of the discipline according to the new conceptual framework adopted in order to catalyze and elaborate the new formulations and insights that are then encapsulated in the theses However while the theoretical work in the text of the chapters relies on the rigorous build up of a new theoretical language the theses are written in ordinary language with the theoretical concepts placed in brackets The full list of the 50 theses affords a convenient summary printed as appendix at the end of the book The second volume completes the analysis of the discourse and further proposes a new agenda for contemporary architecture in response to the challenges and opportunities that confront architectural design within the context of current societal and technological developments

The Autopoiesis of Architecture, Volume II

Patrik Schumacher, 2012-04-24 This is the second part of a major theoretical work by Patrik Schumacher which outlines how the discipline of architecture should be understood as its own distinct system of communication Autopoiesis comes from the Greek and means literally self production it was first adopted in biology in the 1970s to describe the essential characteristics of life as a circular self organizing system and has since been transposed into a theory of social systems This new approach offers architecture an arsenal of general comparative concepts It allows architecture to be understood as a distinct discipline which can be analyzed in elaborate detail while at the same time offering insightful comparisons with other subject areas such as art science and political discourse On the basis of such comparisons the book insists on the necessity of disciplinary autonomy and argues for a sharp demarcation of design from both art and engineering Schumacher accordingly argues controversially that design as a discipline has its own sui generis intelligence with its own internal logic reach and limitations Whereas the first volume provides the theoretical groundwork for Schumacher's ideas focusing on architecture as an autopoietic system with its own theory history medium and its unique societal function the second volume addresses the specific contemporary challenges and tasks that architecture faces It formulates these tasks looking specifically at how

architecture is seeking to organize and articulate the complexity of post fordist network society The volume explicitly addresses how current architecture can upgrade its design methodology in the face of an increasingly demanding task environment characterized by both complexity and novelty Architecture s specific role within contemporary society is explained and its relationship to politics is clarified Finally the new global style of Parametricism is introduced and theoretically grounded “The” Autopoiesis of Architecture Patrik Schumacher,2011 Volume II of The Autopoiesis of Architecture In late 2011 John Wiley Sons is publishing the second volume of this work by Patrik Schumacher The new edition extends the scope of the first volume by proposing a new agenda for contemporary architecture that rises to current social and technological challenges Book Jacket **“The” Autopoiesis of Architecture** Patrik Schumacher,2012 The Autopoiesis of Architecture, Volume I Patrik Schumacher,2011-01-18 Take a theoretical approach to architecture with The Autopoiesis of Architecture which presents the topic as a discipline with its own unique logic Architecture s conception of itself is addressed as well as its development within wider contemporary society Author Patrik Schumacher offers innovative treatment that enriches architectural theory with a coordinated arsenal of concepts facilitating both detailed analysis and insightful comparisons with other domains such as art science and politics He explores how the various modes of communication comprising architecture depend upon each other combine and form a unique subsystem of society that co evolves with other important autopoietic subsystems like art science politics and the economy The first of two volumes that together present a comprehensive account of architecture s autopoiesis this book elaborates the theory of architecture s autopoiesis in 8 parts 50 sections and 200 chapters Each of the 50 sections poses a thesis drawing a central message from the insights articulated within the respective section The 200 chapters are gathering and sorting the accumulated intelligence of the discipline according to the new conceptual framework adopted in order to catalyze and elaborate the new formulations and insights that are then encapsulated in the theses However while the theoretical work in the text of the chapters relies on the rigorous build up of a new theoretical language the theses are written in ordinary language with the theoretical concepts placed in brackets The full list of the 50 theses affords a convenient summary printed as appendix at the end of the book The second volume completes the analysis of the discourse and further proposes a new agenda for contemporary architecture in response to the challenges and opportunities that confront architectural design within the context of current societal and technological developments Play Among Books Miro Roman,Alice_ch3n81,2021-12-06 How does coding change the way we think about architecture This question opens up an important research perspective In this book Miro Roman and his AI Alice_ch3n81 develop a playful scenario in which they propose coding as the new literacy of information They convey knowledge in the form of a project model that links the fields of architecture and information through two interwoven narrative strands in an infinite flow of real books Focusing on the intersection of information technology and architectural formulation the authors create an evolving intellectual reflection on digital architecture and

computer science **The Evolution of Computation in Architecture** Michael Fox, Bradley Bell, 2024-10-31 This book is the first comprehensive overview of the pioneering works, events and people that contributed to the paradigm shift defined by computation in architecture. Only recently has computation fostered profound new ways of designing, fabricating, constructing and thinking about architecture. While the profession sits at the end of the beginning of this historically transformative shift, it is now possible to look back upon the rapidly maturing landscape of projects, influencers and tools that have finally begun to catch up with the visionary thinking of the past. Readers are guided through the fascinating and fast-paced historical timeline of the development of computation in architecture. Beginning with an account of the pioneering futuristic thinkers, the authors then guide the reader through the birth of computation, the appropriation of tools and the impact of experimentation on the profession, leading into the legitimacy of research and how paradigms have been expanded. The examples and influences are presented in a way that they can be understood and built upon. This book is a must-read for students of computation in architecture as well as researchers and practicing architects thinking about how the tools we use and the ways we design our buildings and environments with them can truly impact our lives. Parametricism 2.0 Patrik Schumacher, 2016-04-25 Parametricism is an avant-garde architecture and design movement that has been growing and maturing over the last 15 years, emerging as a remarkable global force. The tendency started in architecture but now encompasses all design disciplines from urban design to fashion. In architecture, the style has an international following and is currently progressing beyond its experimental roots to make an impact on a broader scale with practices like Zaha Hadid Architects (ZHA) winning and completing large-scale architectural projects worldwide. Parametricism implies that all elements and aspects of an architectural composition or product are parametrically malleable and the style owes its original unmistakable physiognomy to its unprecedented use of computational design tools and fabrication methods. All design parameters are conceived as variables that allow the design to vary and adapt to the diverse, complex and dynamic requirements of contemporary society. Although Parametricism has been talked about and hotly debated for a number of years, so far there has been no publication dedicated to Parametricism. The issue is guest edited by Patrik Schumacher, partner at ZHA and one of the world's most highly renowned advocates of Parametricism. Contributors: Philippe Block, Shajay Bhooshan, Mark Burry, Mario Carpo, Manuel DeLanda, John Frazer, Mark Foster, Gage Enriqueta, Llabres and Eduardo Rico. Achim Menges, Theo Spyropoulos, Robert Stuart, Smith Philip, F. Yuan. Featured architects and designers: Arup, Mark Fornes, THEVERYMANY, Zaha Hadid Architects, ZHA and Ross Lovegrove. *Architecture's Theory* Catherine Ingraham, 2023-04-18 A collection of illuminating essays exploring what theory makes of architecture and what architecture makes of theory in philosophical and materialized contexts. From poststructuralism and deconstruction to current theories of technology and nature, critical theory has long been closely aligned with architecture. In turn, architecture as a thinking profession materializes theory in the form of built work that always carries symbolic loads. In this collection of essays, Catherine

Ingraham studies the complex connectivity between architecture's discipline and practice and theories of philosophy art literature history and politics She argues that there can be no architecture without theory Whether considering architecture's relationship to biomodernity or exploring the ways in which contemporary artists and designers engage in figural play Ingraham offers provocative interpretations that enhance our understanding of both critical theory and architectural practice today Along the way she engages with a wide range of contemporary theorists including Giorgio Agamben Judith Butler Jacques Derrida Graham Harman and Timothy Morton considering buildings around the world including the Palace of Culture in Warsaw the Viceroy's House complex in New Delhi Mack Scogin and Merrill Elam's Wolfsburg Science Center project in Germany and the Superdome in New Orleans Approaching its subject matter from multiple angles Architecture's Theory shows how architecture's theoretical and artifactual practices have a unique power to alter culture

Architectural Technicities Stavros Kousoulas, 2022-07-15 This book poses a simple question how is this architecture possible To respond it will embark on a captivating journey through many singular architectural concepts The entasis of Doric columns Ulysses and desert islands will outline an architectural act that moves beyond representation A ferryman who stutters will present two different types of architectural minds A stilus and a theory of signs will reconsider the ways architects can develop a particular kind of intuition while architectural technicities will bring forth a membranous and territorial understanding of architecture Finally as a melody that sings itself a larval architecture will be introduced bringing space and time together Assisting this endeavour the thought of philosophers like Gilles Deleuze Felix Guattari Gilbert Simondon and Raymond Ruyer will meet the latest developments in fields like affect theory cognitive sciences environmental studies and neuroanthropology Eventually by the end of this book the readers from architecture students and researchers to academics and practitioners with an interest in theory will have been exposed to a comprehensive and original philosophy of architecture and the built environment

Animate(d) Architecture Vahid Vahdat, 2024-03-25 At their peak architectural marvels such as the Sagrada Família the Tower of London the Mosque Cathedral of Córdoba and the Eiffel tower had a combined annual visit of almost 164 million people The animated icebound castle in Disney's 2019 *Frozen* had 116.4 million views from one single YouTube trailer in less than 24 hours The spaces of such massively consumed animation have for generations informed the architectural imagination of people across the globe and from very early in their lives Yet not only have the architectural disciplines remained rather absent in the design of these massively consumed spaces architectural theory has likewise failed to articulate a framework to approach the architecture of animation To address this void this book offers an interdisciplinary approach to survey the role of space in animation including in creating humorous moments in early cartoon shorts generating action and suspense in Japanese anime and even stimulating erotic pleasure in pornographic Hentai Exploring the imagined architecture of animation from early motion picture to digital animation and from computer graphics to game engines offers an analytical frame to reconceptualize space An Open Access version of Yuko Yoshida's chapter *Animated Embodiments of*

Witnessing An Architectural Narrative of Silence is available on the Liverpool University Press website *The SAGE Handbook of Architectural Theory* C. Greig Crysler, Stephen Cairns, Hilde Heynen, 2012-01-20 Offers an intense scholarly experience in its comprehensiveness its variety of voices and its formal organization the editors took a risk experimented and have delivered a much needed resource that upends the status quo Architectural Histories journal of the European Architectural History Network Architectural theory interweaves interdisciplinary understandings with different practices intentions and ways of knowing This handbook provides a lucid and comprehensive introduction to this challenging and shifting terrain and will be of great interest to students academics and practitioners alike Professor Iain Borden UCL Bartlett School of Architecture In this collection architectural theory expands outward to interact with adjacent discourses such as sustainability conservation spatial practices virtual technologies and more We have in *The Handbook of Architectural Theory* an example of the extreme generosity of architectural theory It is a volume that designers and scholars of many stripes will welcome K Michael Hays Eliot Noyes Professor of Architectural Theory Harvard University *The SAGE Handbook of Architectural Theory* documents and builds upon the most innovative developments in architectural theory over the last two decades Bringing into dialogue a range of geographically institutionally and historically competing positions it examines and explores parallel debates in related fields The book is divided into eight sections Power Difference Embodiment Aesthetics Pleasure Excess Nation World Spectacle History Memory Tradition Design Production Practice Science Technology Virtuality Nature Ecology Sustainability City Metropolis Territory Creating openings for future lines of inquiry and establishing the basis for new directions for education research and practice the book is organized around specific case studies to provide a critical interpretive and speculative enquiry into the relevant debates in architectural theory **Digital Poetics** Marjan Colletti, 2017-03-02 *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 organised around a synthetic and hybrid research methodology a contemporary propositional and theoretical discursive investigation and a design led empirical research Both methods inform a critical construct that deals with the nature forms and laws of digitality within a contemporary architectural discourse that affects practice and academia The chapters spiral at from towards around outside inwards and back inside out digitality its cognitive phenomena spatial properties and intrinsic capabilities to achieve or at least approach *Digital Poetics* The book presents speculative and small scale constructed projects that pioneer techniques and experiments with common 3D and 4D software packages whereby the focus lies not on the drawing processes and mechanics but on the agency and impact the image its reading experience interpretation achieves on the reader and observer The book also features a preface by Fr d ric Migayrou a philosopher and curator and one of the most influential cultural

engineers of the contemporary international architectural scene The book is linked to a website which contains a larger selection of images of some featured projects *Architecture | Design | Data* Phillip Bernstein,2018-09-24 A systemic transformation is underway in architectural design engineering and construction The discipline and profession of architecture is being reshaped in a moment where information insight and predictions generated during the design process move into construction no longer essentially via drawings Other more profound digital techniques yield fundamentally different workflows responsibilities and business models for architects This book offers a comprehensive framework detailed analysis and critical assessment of the challenges and opportunities inherent in those changes The author sets out to provide direction for a new era in architectural creation that can be understood and managed by a profession which must become better equipped to direct its future *The Monster Leviathan* Aaron Betsky,2024-01-09 Visionary proposals for a mythic and strange architecture or anarchitecture through which we can imagine other and better worlds Lurking under the surface of our modern world lies an unseen architecture or anarchitecture It is a possible architecture an analogous architecture an architecture of anarchy which haunts in the form of monsters that are humans and machines and cities all at once or takes the form of explosions veils queer playful spaces or visions from artwork and video games In *The Monster Leviathan* Aaron Betsky traces anarchitecture through texts design and art of the twentieth and early twenty first century and suggests that these ephemeral evocations are concrete proposals in and of themselves Neither working models nor suggestions for new forms they are scenes just believable enough to convince us they exist or just fantastical enough to open our eyes *The Monster Leviathan* gives students and lovers of architecture as well as those hoping to construct a better more sustainable and socially just future a set of tools through which they can imagine that such other worlds are possible As Betsky eloquently articulates anarchitecture already exists and does not exist at all It is the myth of building and all we have to do is find it **The Routledge Companion to Twentieth and Early Twenty-First Century Urban Design** Jon Lang,2020-11-09 *The Routledge Companion to Twentieth and Early Twenty First Century Urban Design* is a fully illustrated descriptive and explanatory history of the development of urban design ideas and paradigms of the past 150 years The ideas and projects hypothetical and built range in scale from the city to the urban block level The focus is on where the generic ideas originated the projects that were designed following their precepts the functions they address and or afford and what we can learn from them The morphology of a city its built environment evolves unselfconsciously as private and governmental investors self consciously erect buildings and infrastructure in a pragmatic piecemeal manner to meet their own ends Philosophers novelists architects and social scientists have produced myriad ideas about the nature of the built environment that they consider to be superior to those forms resulting from a laissez faire attitude to urban development Rationalist theorists dream of ideal futures based on assumptions about what is good empiricists draw inspirations from what they perceive to be working well in existing situations Both groups have presented their advocacies in manifestoes and often

in the form of generic solutions or illustrative designs This book traces the history of these ideas and will become a standard reference for scholars and students interested in the history of urban spaces including architects planners urban historians urban geographers and urban morphologists The Architecture of Phantasmagoria Libero Andreotti,Nadir Lahiji,2016-11-10 In a time of mass mediated modernity the city becomes almost by definition a constitutively mediated city Today more than ever before the omnipresence of media in every sphere of culture is creating a new urban ontology saturating fracturing and exacerbating the manifold experience of city life The authors describe this condition as one of hyper mediation a qualitatively new phase in the city s historical evolution The concept of phantasmagoria has pride of place in their study using it as an all embracing explanatory framework they explore its meanings as a critical category to understand the culture and the architecture of the contemporary city Andreotti and Lahiji argue that any account of architecture that does not include understanding the role and function of media and its impact on the city in the present tele technological capitalist society is fundamentally flawed and incomplete Their approach moves from Walter Benjamin through the concepts of phantasmagoria and of media as theorized also by Theodor Adorno Siegfried Kracauer and a new generation of contemporary critics towards a new socio critical and aesthetic analysis of the mediated space of the contemporary city

Architecture for the Commons Jose Sanchez,2020-08-04 Architecture for the Commons dives into an analysis of how the tectonics of a building is fundamentally linked to the economic organizations that allow them to exist By tracing the origins and promises of current technological practices in design the book provides an alternative path one that reconsiders the means of achieving complexity through combinatorial strategies This move requires reconsidering serial production with crowdsourcing and user content in mind The ideas presented will be explored through the design research developed within Plethora Project a design practice that explores the use of video game interfaces as a mechanism for participation and user design The research work presented throughout the book seeks to align with a larger project that is currently taking place in many different fields The Construction of the Commons By developing both the ideological and physical infrastructure the project of the Commons has become an antidote to current economic practices that perpetuate inequality The mechanisms of the production and governance of the Commons are discussed inviting the reader to get involved and participate in the discussion The current political and economic landscape calls for a reformulation of our current economic practices and alternative value systems that challenge the current market monopolies This book will be of great interest not only to architects and designers studying the impact of digital technologies in the field of design but also to researchers studying novel techniques for social participation and cooperating of communities through digital networks The book connects principles of architecture economics and social sciences to provide alternatives to the current production trends **The Urbanism Reader** Stefan Al,Tom Verebes,2025-02-06 Positioning design at the center of the debate The Urbanism Reader brings together classic and contemporary readings to help designers understand the complexities of cities and urban design

in the 21st century The selection of readings presented here is uniquely tailored to a design perspective for architects and urban designers balancing social issues in urbanism with a clear focus on foregrounding design as an instrument for change in cities and examining the outcomes and challenges of recent design theories design methods and technologies in the built urban environment Covering today s most urgent issues 45 texts explore key topics in urbanism from digital design technologies to smart cities from the ongoing ecological crisis to public health and the impact of Covid 19 and from emergence and informality to economic inequity in global cities Chapters cover cultural issues including diversity indigenous knowledge decolonization social justice and inclusion alongside technological developments while a final chapter speculates on the future of urbanism through readings in AI virtual reality and the frontiers of current thinking in architecture and urban design The extracts are grouped by theme each with an introduction to the historical contexts and guiding paradigms helping design students researchers and professionals to make sense of the diverse field of theory and practice in the past present and future of global urbanism

Is there an Object Oriented Architecture? Joseph Bedford, 2020-02-20 Bringing Graham Harman s philosophy into direct confrontation with contemporary architectural theory in new and creative ways Is There an Object Oriented Architecture provides a dialogue between Harman and six of the world s leading architectural thinkers Adam Sharr Lorens Holm Jonathan Hale Peg Rawes Patrick Lynch and Peter Carl Harman s object oriented philosophy is one that sees the universe as a carnival of equal objects with no hierarchy between humans and nonhumans In his model unicorns triangles bicycles neutrons and humans are all things with enduring essences that outlast their partial transformations It is a strikingly democratic vision of the universe that knocks humans off their ontological pedestal as arbiters of what is real It also radically challenges the very precepts of architectural theory the structure of which remains stubbornly human centric as it seeks to give form to the human being s place at the centre of the cosmos In this new book each thinker develops the implications of Harman s philosophy for the future of architecture by entering into a direct exchange with the philosopher and his thinking both questioning him and questioning with him

The Autopoiesis Of Architecture Book Book Review: Unveiling the Magic of Language

In a digital era where connections and knowledge reign supreme, the enchanting power of language has been apparent than ever. Its ability to stir emotions, provoke thought, and instigate transformation is truly remarkable. This extraordinary book, aptly titled "**The Autopoiesis Of Architecture Book**," published by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound effect on our existence. Throughout this critique, we will delve into the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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