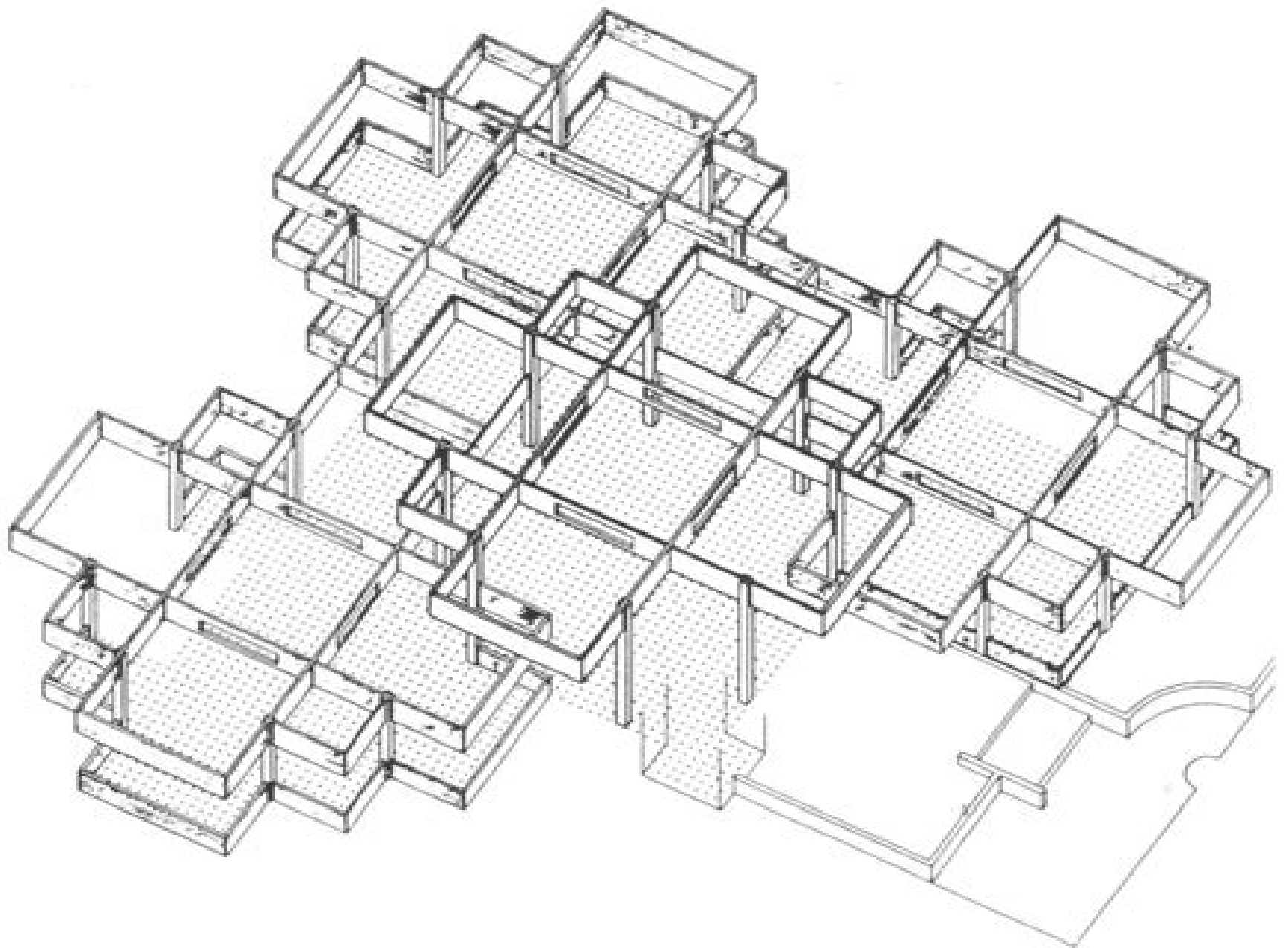




Isometry of the skeleton, built entirely of laminated wood

The Autopoiesis Of Architecture

Wolfgang Guggemos



The Autopoiesis Of Architecture :

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, 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 "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, 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

“The” Autopoiesis of Architecture Patrik Schumacher,2012 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 *Handbook of Research on Form and Morphogenesis in Modern Architectural Contexts* D'Uva, Domenico,2018-02-23 As architectural designs continue to push boundaries there is more exploration into the bound shape of architecture within the limits of spaces made for human usability and interaction The Handbook of Research on Form and Morphogenesis in Modern Architectural Contexts provides emerging research on the process of architectural form finding as an effort to balance perceptive efficiency with functionality While highlighting topics such as architectural geometry reverse modeling and digital fabrication this book details the geometric process that forms the shape of a building This publication is a vital resource for scholars IT professionals engineers architects and business managers seeking current research on the development and creation of architectural design Proceedings of the 2020 DigitalFUTURES Philip F. Yuan,Jiawei Yao,Chao Yan,Xiang Wang,Neil Leach,2021-01-28

This open access book is a compilation of selected papers from 2020 DigitalFUTURES The 2nd International Conference on Computational Design and Robotic Fabrication CDRF 2020 The book focuses on novel techniques for computational design and robotic fabrication The contents make valuable contributions to academic researchers designers and engineers in the industry As well readers will encounter new ideas about understanding intelligence in architecture

Decoding Luigi Moretti's Architettura Parametrica Giuseppe Canestrino, 2025-05-16 Decoding Luigi Moretti's *Architettura Parametrica* presents an unprecedented critical discussion of one of the earliest theoretical and practical explorations into the integration of scientific thought mathematical models and digital tools in architectural design Moretti a renowned professional who engaged in countless intellectual initiatives developed and refined his architectural vision long before parametric became synonymous with computational design His *Architettura Parametrica* is an unconventional inquiry of the prospects offered to design practice by digital thinking rather than by digital tools which were still immature or completely absent at the time Moretti proposed a unique and still relevant mental landscape that united his fascination with Baroque spatiality operational research informal art optics cybernetics ethics and much more This research decodes numerous facets of *Architettura Parametrica* from the rigid theoretical precepts to the negotiation with design praxis from the use of equations to aid the research of forms to the speculation on the meaning of architecture through abstract mathematics This book offers novel perspectives to scholars interested in the interplay between architectural design practice and theory mathematics and design methods digital and architectural culture and to the growing number of practitioners who are crafting personal narratives within the most disruptive computational techniques

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

Parametricism 2.0 Patrik Schumacher, 2016-08-22 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

Systemic Architecture Marco Poletto, Claudia Pasquero, 2013-05-07 This is a manual investigating the subject of urban ecology and systemic development from the perspective of architectural design It sets out to explore two main goals to discuss the contemporary relevance of a systemic practice to architectural design and to share a toolbox of informational design protocols developed to describe the city as a territory of self organization Collecting together nearly a decade of design experiments by the authors and their practice ecoLogicStudio the book discusses key disciplinary definitions such as ecologic urbanism algorithmic architecture bottom up or tactical design behavioural space and the boundary of the natural and the artificial realms within the city and architecture A new kind of real time world city is illustrated in the form of an operational design manual for the assemblage of proto architectures the incubation of proto gardens and the coding of proto interfaces These prototypes of machinic architecture materialize as synthetic hybrids embedded with biological life proto gardens computational power behavioural responsiveness cyber gardens spatial articulation coMachines and fibrous structures remote sensing FUNclouds and communication capabilities Ecological Footprint Grotto Supporting the authors own essays and projects are contributions from key innovators in contemporary architecture and urban design Michael Batty Andrew Hudson Smith Michael Weinstock and Patrik Schumacher

The Architecture of Transgression, 2014-01-13 Transgression suggests operating beyond accepted norms and radically reinterpreting practice by pushing at the boundaries of both what architecture is and what it could or even should be The current economic crisis and accompanying political social unrest has exacerbated the difficulty into which architecture has long been sliding challenged by other professions and a culture of conservatism architecture is in danger of losing its prized status as one of the pre eminent visual arts Transgression opens up new possibilities for practice It highlights the positive impact that working on the architectural periphery can make on the mainstream as transgressive practices have the potential to reinvent and reposition the architectural profession whether they are subverting notions of

progress questioning roles and mechanisms of production aligning with political activism pioneering urban interventions advocating informal or incomplete development actively destabilising environments or breaking barriers of taste In this new dispersed and expanded field of operation the balance of architectural endeavour is shifted from object to process from service to speculation and from formal to informal in a way that provides both critical and political impetus to proactively affect change Contributors Can Altay Edward Denison and Guangyu Ren Kim Dovey Chris Jenks David Littlefield Silvia Loeffler Alistair Parvin Louis Rice Patrik Schumacher and Robin Wilson Featured architects atelier d architecture autographe Lina Bo Bardi Construire La Machine EXYZT Didier Faustino Bureau des M sarchitectures Lacaton Vassal N55 Catie Newell Alibi Studio Wang Shu Superflex and Bernard Tschumi *Architecture in Formation* Pablo Lorenzo-Eiroa, Aaron Sprecher, 2013-10-08 Architecture in Formation is the first digital architecture manual that bridges multiple relationships between theory and practice proposing a vital resource to structure the upcoming second digital revolution Sixteen essays from practitioners historians and theorists look at how information processing informs and is informed by architecture Twenty nine experimental projects propose radical means to inform the new upcoming digital architecture Featuring essays by Pablo Lorenzo Eiroa Aaron Sprecher Georges Teyssot Mario Carpo Patrik Schumacher Bernard Cache Mark Linder David Theodore Evan Douglas Ingeborg Rocker and Christian Lange Antoine Picon Michael Wen Sen Su Chris Perry Alexis Meier Achim Menges and Martin Bressani Interviews with George Legendre Alessandra Ponte Karl Chu Ciro Najle and Greg Lynn Projects by Diller Scofidio and Renfro Mark Burry Yehuda Kalay Omar Khan Jason Kelly Johnson Future Cities Lab Alejandro Zaera Polo and Maider Llaguno Munitxa Anna Dyson Bess Krietemeyer Peter Stark Center for Architecture Science and Ecology CASE Philippe Rahm Lydia Kallipoliti and Alexandros Tsamis Neeraj Bhatia Infranet Lab Jenny Sabin Lab Studio Luc Courschene Society for Arts and Technology SAT Eisenman Architects Preston Scott Cohen Eiroa Architects Michael Hansmeyer Open Source Architecture Andrew Saunders Nader Tehrani Office dA Satoru Sugihara ATLV and Thom Mayne Morphosis Reiser and Umemoto Roland Snooks Kokkugia Philip Beesley Matias del Campo and Sandra Manninger SPAN Michael Young Eric Goldemberg Monad Studio Francois Roche Ruy Klein Chandler Ahrens and John Carpenter

Precedented Environmental Futures Colin Porteous, 2019-04-17 This book addresses the built environment through the lens of environmental architecture and in a holistic manner It moves gradually from psychophysiology and thinking doing feeling modalities through environmental criteria to environmental modulation concluding with a debate around mitigation and adaptation Much use is made of re interpreting past quotations seen as relevant for environmental architecture No definitive conclusions are reached but rather broad discursive messages are offered The text will have lasting luminance for new generations involved with the built environment *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

This Thing Called Theory

Teresa Stoppani, Giorgio Ponzio, George Themistokleous, 2016-11-10 In the age of post digital architecture and digital materiality This Thing Called Theory explores current practices of architectural theory their critical and productive role The book is organized in sections which explore theory as an open issue in architecture as it relates to and borrows from other disciplines thus opening up architecture itself and showing how architecture is inextricably connected to other social and theoretical practices The sections move gradually from the specifics of architectural thought its history theory and criticism and their ongoing relation with philosophy to the critical positions formulated through architecture s specific forms of expression and onto more recent forms of architecture s engagement and self definition The book s thematic sessions are concluded by and interspersed with a series of shorter critical position texts which together propose a new vision of the contemporary role of theory in architecture What emerges overall is a critical and productive role for theory in architecture today theory as a proposition theory as task and as a risk of architecture

Understanding Emergent Urbanism Sotir Dhamo, 2021-08-31 The ideas presented in this book are a conceptual leverage to correct the rigidity of top down practices and bring the real city or the city of everyday life closer to the city of conventional planning Considering self organization as the starting point at the base of complex systems this book tries to understand how specific qualities emerge and evolve from this behavior For this the book discusses new ways of looking at and understanding cities by applying holistic methods and approaches based on the conceptual grounds of quantum fractal and complexity theories The book highlights the fact that the information on how to transform and build a city is contained within the city itself In this regard some methodological steps to unpack complexities and translate the essential qualities of space into potential generators for city design and planning are provided The book urges courageous experimentation and proposes a methodology where the computational nature of urban phenomena goes along with historic anthropological ideas thus emphasizing the characteristics of a specific

reality in a model They do not exclude each other in fact they are part of the unbroken web of wholeness Importantly the proposed methodology supports gradual and natural coevolution process in the city through combining planned and unplanned actions and the involving multiplicity of actors impacting on Urban Planning and Design Practice *Tools for Ideas* Christian Gänshirt, 2020-10-26 This reference work on the core competence of architects and designers provides a thorough and considered overview of the tools and theories means and methods and practices and possibilities of creative design In this substantially expanded edition a review of recent developments since the first edition has been added the chapters on digital tools have been updated and a new extensive practice section describes the foundations of digital research based processes and social agendas in design The author demonstrates compellingly that design is a synthesis of creative technical and architectural skills coupled with academic research and reflection Enlightening Christian Thomas on the first edition Insight into the craft of design Light in the darkness of how ideas take shape Jesko Fezer

The book delves into The Autopoiesis Of Architecture . The Autopoiesis Of Architecture is a vital topic that must be grasped by everyone, from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into The Autopoiesis Of Architecture , encompassing both the fundamentals and more intricate discussions.

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6. In chapter 5, the author will draw a conclusion about The Autopoiesis Of Architecture . The final chapter will summarize the key points that have been discussed throughout the book.

This book is crafted in an easy-to-understand language and is complemented by engaging illustrations. This book is highly recommended for anyone seeking to gain a comprehensive understanding of The Autopoiesis Of Architecture .

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The Autopoiesis Of Architecture Introduction

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