

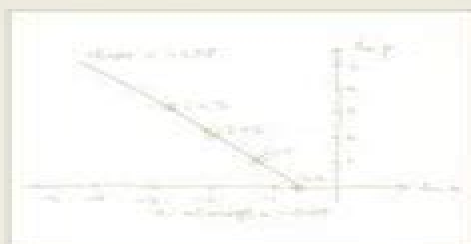


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Algorithmic Sustainable Design New Edition Twelve Lectures On Architecture

Michael Seilmaier



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Algorithmic Sustainable Design: Twelve Lectures on Architecture Nikos A. Salingaros, 2021-03-11 **Twelve Lectures on Architecture** Nikos A. Salingaros, 2010

Twelve Lectures on Architecture is a profound philosophical work presented as a set of architectural lecture notes. It reads very easily explaining why certain buildings and places speak to our hearts thus illuminating many of our old assumptions about taste. Salingaros establishes using biology why traditional architecture is perceived intuitively by most people as more natural and life affirming than modernist architecture. A deep malaise of contemporary society is tied to the shocking state of architecture and urbanism in our times characterized by distorted buildings and unusable urban spaces. Salingaros is the archetypal deep thinker and punctures the pretenses of our most respected architecture critics. He is a charismatic teacher and manages to explain seemingly inaccessible concepts such as fractals, scaling, the golden mean, cellular automata, genetic algorithms, and complexity in simple hand-drawn sketches. He has found a way to translate the complexities inherent in the design of our environment into imagery that even a general reader can understand. Twelve Lectures on Architecture includes an excellent introduction to Christopher Alexander's recent and remarkable work on how biology and architecture intersect in humankind's unconscious perceptions. This book has the importance to change the world because it goes into things that people should have thought about but haven't. What They're Saying With Nikos as our guide, we see through the invisibility of the emperor's new clothes and we laugh or cry all the harder at the joke played on mankind by modern architecture. The Providence Journal.

Salingaros is a charismatic teacher. The author presents mathematical concepts and computer technologies: fractals, cellular automata, genetic algorithms. He shows us the beauty of mathematics through its usage. Formulating his message through a broad spectrum of topics, Salingaros appears to be a true Renaissance figure. Jadwiga Zarnowiecka, professor and architect, Bialystok, Poland.

This book is intended for students yet I think it should be read by everyone who is interested in or works with the built environment. Those who teach urban planning do it for their own ego, not for people who are supposed to live there. The result is an architectural object for imaginary people. Cristina Caramelo Gomes, professor and architect, Lisbon, Portugal.

Algorithmic Sustainable Design Nikos Angelos Salingaros, 2013 **Handbook of Research on Visual Computing and Emerging Geometrical Design Tools** Amoroso, Giuseppe, 2016-04-11

Visual computing and descriptive geometry are multidisciplinary fields addressing the handling of images, 3D models, and other computer graphics. These ideas are experiencing a revival due to emergent technologies and applications available to developers. Based in traditional forms of design and architecture, these fields are currently experiencing a bounty of new research based on old principles. The Handbook of Research on Visual Computing and Emerging Geometrical Design Tools seeks to add to this knowledge base by considering these technologies from a designer's perspective rather than reiterating the principles of computer science. It combines aspects of geometry and representation with emerging tools for CAD generation and visualization while addressing the digital heritage of such fields.

This book is an invaluable resource for developers students of both graphic and computer generated design researchers and designers Knowledge in the Information Society Daria Bylieva, Alfred Nordmann, Olga Shipunova, Violetta Volkova, 2021-01-15 This book provides a snapshot of state of the art interdisciplinary discussions in Russia about technology in the information society New technologies are subject to original theoretical analysis but there are also reflections on the practical experience of their application The book covers a range of topics which includes human technology interaction education in digital reality distance education due to COVID 19 quarantine measures cognitive technologies system analytics of information and communication technologies The book collects contributions from philosophy didactics computer sciences sociology psychology media studies and law It contains a selection of papers accepted for presentation at the XX International Conference Professional Culture of the Specialist of the Future 26 27 November 2020 St Petersburg and the XII International Conference Communicative Strategies of the Information Society 23 24 October 2020 St Petersburg *Green Governance* Burns H. Weston, David Bollier, 2013-01-21 The vast majority of the world s scientists agree we have reached a point in history where we are in grave danger of destroying Earth s life sustaining capacity But our attempts to protect natural ecosystems are increasingly ineffective because our very conception of the problem is limited we treat the environment as its own separate realm taking for granted prevailing but outmoded conceptions of economics national sovereignty and international law Green Governance is a direct response to the mounting calls for a paradigm shift in the way humans relate to the natural environment It opens the door to a new set of solutions by proposing a compelling new synthesis of environmental protection based on broader notions of economics and human rights and on commons based governance Going beyond speculative abstractions the book proposes a new architecture of environmental law and public policy that is as practical as it is theoretically sound **The Reasoning Architect** Garry Stevens, 1990 **International Aerospace Abstracts** ,1997 *Architectural Program Report*, July 1992 University of California, Berkeley. Department of Architecture, 1992 **The Journal of the Chartered Institution of Building Services** ,1984 **The Publishers' Trade List Annual** ,1995 *Architectural Publications Index* ,1999 **British Book News** ,1981 **Artificial Intelligence Abstracts** ,1986 **Simulation Applied to Manufacturing Energy and Environmental Studies and Electronics and Computer Engineering** ,1989 **Against the Grain** ,1996 **Government reports annual index** ,199? **International Books in Print** ,1991 World Meetings Outside United States and Canada ,1992 **Energy Research Abstracts** ,1988

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