



SHAPING THINGS

THIS BOOK IS ABOUT CREATED OBJECTS and the environment, which is to say, ~~it's a book about everything.~~ Seen from sufficient distance, this is a small topic.

The ideal readers for this book are those ambitious young souls (of any age) who want to constructively intervene in the process of technosocial transformation. That is to say, this book is for designers and thinkers, engineers and scientists, entrepreneurs and financiers, and anyone else who might care to understand why things were once as they were, why things are as they are, and what things seem to be becoming.

by

BRUCE STERLING

Shaping Things Mediaworks Pamphlets

Naomi Jacobs, Rachel Cooper



Shaping Things Mediaworks Pamphlets:

Shaping Things Bruce Sterling, 2005-10-07 A guide to the next great wave of technology an era of objects so programmable that they can be regarded as material instantiations of an immaterial system Shaping Things is about created objects and the environment which is to say it's about everything writes Bruce Sterling in this addition to the Mediawork Pamphlet series He adds Seen from sufficient distance this is a small topic Sterling offers a brilliant often hilarious history of shaped things We have moved from an age of artifacts made by hand through complex machines to the current era of gizmos New forms of design and manufacture are appearing that lack historical precedent he writes but the production methods using archaic forms of energy and materials that are finite and toxic are not sustainable The future will see a new kind of object we have the primitive forms of them now in our pockets and briefcases user alterable baroquely multi featured and programmable that will be sustainable enhanceable and uniquely identifiable Sterling coins the term spime for them these future manufactured objects with informational support so extensive and rich that they are regarded as material instantiations of an immaterial system Spimes are designed on screens fabricated by digital means and precisely tracked through space and time They are made of substances that can be folded back into the production stream of future spimes challenging all of us to become involved in their production Spimes are coming says Sterling We will need these objects in order to live we won't be able to surrender their advantages without awful consequences The vision of Shaping Things is given material form by the intricate design of Lorraine Wild Shaping Things is for designers and thinkers engineers and scientists entrepreneurs and financiers and anyone who wants to understand and be part of the process of technosocial transformation

Big Data Analytics Arun K. Somani, Ganesh Chandra Deka, 2017-10-30 The proposed book will discuss various aspects of big data Analytics It will deliberate upon the tools technology applications use cases and research directions in the field Chapters would be contributed by researchers scientist and practitioners from various reputed universities and organizations for the benefit of readers

Bridging the Gap Sul H. Lee, 2013-09-13 The amount of digital information that libraries need to manage effectively for the benefit of users is constantly increasing This book discusses in detail how library administrators can better handle this growing abundance of information as well as effective ways to allow library users easy access Respected leaders in the field of librarianship explore various aspects of how librarians are meeting the challenges of delivering more digital information to a changing user base including preservation demands licensing agreements digitizing and making available collections unique to specific libraries and providing more personalized digital services to library users This book focuses on timely issues that impact how libraries are administered and viewed by both librarians and by users This innovative book discusses practical ways to provide remote access and services to digital resources support the preservation of digital resources understand their library users who prefer the digital information format and reshape the traditional library for better digital access The book is carefully referenced and includes helpful

illustrations The book is a valuable resource for senior and mid level library administrators including deans directors and department heads of public special and academic libraries This book was published as a special issue of the Journal of Library Administration

The Future Nick Montfort, 2017-12-08 How the future has been imagined and made through the work of writers artists inventors and designers The future is like an unwritten book It is not something we see in a crystal ball or can only hope to predict like the weather In this volume of the MIT Press's Essential Knowledge series Nick Montfort argues that the future is something to be made not predicted Montfort offers what he considers essential knowledge about the future as seen in the work of writers artists inventors and designers mainly in Western culture who developed and described the core components of the futures they envisioned Montfort's approach is not that of futurology or scenario planning instead he reports on the work of making the future the thinkers who devoted themselves to writing pages in the unwritten book Douglas Engelbart Alan Kay and Ted Nelson didn't predict the future of computing for instance They were three of the people who made it Montfort focuses on how the development of technologies with an emphasis on digital technologies has been bound up with ideas about the future Readers learn about kitchens of the future and the vision behind them literary utopias from Plato's Republic to Edward Bellamy's Looking Backward and Charlotte Perkins Gilman's Herland the Futurama exhibit at the 1939 New York World's Fair and what led up to Tim Berners Lee's invention of the World Wide Web Montfort describes the notebook computer as a human centered alternative to the idea of the computer as a room sized giant brain speculative practice in design and science fiction and throughout the best ways to imagine and build the future

The Culture of Women in Tech Mariann Hardey, 2019-11-11 Including a series of commentaries derived from research undertaken by the author with women working in tech clusters located within tech cities in the UK USA and East Asia regions this book exposes the serious problem of women's position in the tech industry and helps to find solutions and ways forward

The Future of Business Rohit Talwar, Gerd Leonhard, Gray Scott, B.J. Murphy, Ian Pearson, Laura Goodrich, Cornelia Daheim, Joyce Gioia, Calum Chace, 2015-03-15 The Future of Business explores how the commercial world is being transformed by the complex interplay between social economic and political shifts disruptive ideas bold strategies and breakthroughs in science and technology Over 60 contributors from 21 countries explore how the business landscape will be reshaped by factors as diverse as the modification of the human brain and body 3D printing alternative energy sources the reinvention of government new business models artificial intelligence blockchain technology and the potential emergence of the Star Trek economy

Critical by Design? Claudia Mareis, Moritz Greiner-Petter, Michael Renner, 2022-02-03 In its constructive and speculative nature design has the critical potential to reshape prevalent socio material realities At the same time design is inevitably normative if not often violent as it stabilises the past normalises the present and precludes just and sustainable futures The contributions rethink concepts of critique that influence the field of design question inherent blind spots of the discipline and expand understandings of what critical design practices could be

With contributions from design theory practice and education art theory philosophy and informatics Critical by Design aims to question and unpack the ambivalent tensions between design and critique Living in Digital Worlds Naomi Jacobs, Rachel Cooper, 2018-01-29 Living in Digital Worlds investigates the relationship between human society and technology as our private and particularly our public lives are increasingly undertaken in spaces that are inherently digital digital public spaces The book unpicks why digital technology is such an inextricable part of modern society first by examining the historical relationship between technological development and the early progression of human sociality This is then followed by an examination of the ways in which modern life is currently being impacted by the expansion of digital information and devices into multiple aspects of our lives including focuses on privacy bias and ownership in digital spaces Finally it explores potential future developments and their implications and proposes that it is crucial to consider the design of technology and systems in order to support a positive and beneficial direction of change Each chapter includes case studies primarily drawn from The Creative Exchange a fiveyear programme which ran from 2012 to 2016 to explore the notion of the digital public space through collaborative cross sector research *Proceedings of Futur en Seine 2009* Cap Digital, Geodesign, Urban Digital Twins, and Futures Paul Cureton, Elliot Hartley, 2025-01-23 Geodesign Urban Digital Twins and Futures explores systems processes and novel technologies for planning mapping and designing our built environment In a period of advancing urban infrastructure technological autonomy in cities and high performance geographic systems new capabilities novel techniques and streamlined procedures have emerged concurrently with climatic challenges pandemics and increasing global urbanisation Chapters cover a range of topics such as urban digital twins GeoBIM geodesign and collaborative tools immersive environments gamification and future methods This book features over 100 international projects and workflows five detailed case studies and a companion website In addition this book examines geodesign as an agent for collaboration alongside futuring methods for imagining and understanding our future world The companion website for this book can be accessed at <http://geodesigndigitaltwins.com> **Joyce in the Belly of the Big Truck; Workbook** Joyce A. Cascio, 2005-05 NERD - New Experimental Research in Design Michael Erhoff, Wolfgang Jonas, 2018-11-05 Design has long expressed and established itself as an independent research competence a fact that also companies institutions and politicians have come to acknowledge What is still needed however is a stronger public platform for design to confidently reflect upon this process and to establish and communicate the specific innovative and experimental dimension of design research For this reason BIRD the Board of International Research in Design has developed the New Experimental Research in Design NERD format The edited conference contributions of twelve young researchers from all over the world provide an impressive and diverse and insightful range of intelligent and inspiring approaches in design research giving rise to further debate and action in the rapidly evolving field *El futuro* Nick Montfort, 2024-06-03 C mo se ha imaginado y creado el futuro a trav s del trabajo de escritores artistas inventores y dise adores El futuro es un libro que no

se ha escrito No lo vemos en una bola de cristal ni lo podemos predecir como al clima En este volumen de la serie Conocimientos esenciales de MIT Press Nick Montfort sostiene que el futuro es algo que debe hacerse no predecirse Este libro contiene lo que considera esencial sobre el futuro c mo se ve en el trabajo de escritores artistas inventores y dise adores principalmente de la cultura occidental que desarrollaron y describieron los componentes centrales de los futuros que imaginaron El enfoque de Montfort no es el de la futurolog a o la planificaci n de escenarios sino el del trabajo de construir el futuro el de los pensadores que se dedicaron a escribir p ginas de ese libro no escrito Douglas Engelbart Alan Kay y Ted Nelson no predijeron el futuro de la inform tica por ejemplo Fueron algunos de los que lo crearon Montfort se centra en c mo el desarrollo de tecnolog as especialmente tecnolog as digitales se ha vinculado con ideas sobre el futuro Los lectores aprender n sobre las cocinas del futuro y la visi n que suponen las utop as literarias desde La Rep blica de Plat n hasta Mirando atr s de Edward Bellamy y Matriarcadia de Charlotte Perkins Gilman la exhibici n de Futurama en la Feria Mundial de Nueva York de 1939 y lo que condujo a la invenci n de la World Wide Web por parte de Tim Berners Lee Montfort describe la computadora port til como una alternativa a escala humana a la idea de la computadora como un cerebro gigante del tama o de una habitaci n c mo funciona la pr ctica especulativa en dise o y ciencia ficci n y a la larga cu les son las mejores formas de imaginar y construir el futuro **Actes Futur en Seine 2009** Cap Digital,2011 *Cahiers du Mus e national d'art moderne* ,2006 **Advertising Age** ,1988

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