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**NFPA 61 , Standard for the Prevention of Fires and Dust Explosions in**

**Agricultural and Food Processing Facilities** - National Fire Protection

Association (NFPA) 2012-10-12

**The Neuroscientific Basis of Successful Design** - Marco Maiocchi 2014-12-01

The term “design” today encompasses attributes of artifacts that go beyond their intended functions, imbuing them with new meanings. Those meanings are deeply related to the emotions perceived by the users. This book investigates the findings deriving from the neurosciences that are relevant to design. Drawing upon up-to-date neuroscientific knowledge, the authors define what an emotion is, examine the relationship between perceptions and emotions and discuss the role of metaphoric communication. Particular attention is paid to those elements of perception and metaphoric interpretation that cause the emotions to rise. Consequences for the design process are then considered and a design process is proposed that takes into

account emotional impacts as one of the goals. A solid scientific approach to the subject is maintained throughout and understanding is facilitated by the inclusion of a rich collection of successful design artifacts, the emotional aspects of which are analyzed.

*Assessing Infiltration and Exfiltration on the Performance of Urban Sewer Systems* - Bryan Ellis 2010-02-10

Sewer systems constitute a very significant heritage in European cities. Their structural quality and functional efficiency are key parameters to guarantee the transfer of domestic and industrial wastewater to treatment plants without infiltration nor exfiltration. Infiltration of groundwater is particularly detrimental to treatment plant efficiency, while exfiltration of wastewater can lead to groundwater contamination. The European research project APUSS (Assessing infiltration and exfiltration on the

Performance of Urban Sewer Systems) was devoted to sewer infiltration and exfiltration questions. It was structured in three main Work Areas dealing respectively with i) the development of new measurement methods based on tracer experiments and accounting for detailed uncertainty analyses, ii) the implementation of models and software tools to integrate structural and experimental data and to facilitate data display, operational management and decision-making processes and iii) the integration of economic and operational questions by means of cost estimation, economic evaluation, performance indicators and multi-criteria methods applied to investment/rehabilitation strategies. This final report describes the objectives, methods and main results for each Work Area. References to detailed methods, protocols, reports and tools are given in this final report which will be an

invaluable source of information for all those concerned with the performance of urban sewer systems.

System Design for Sustainability in Practice - Carlo Vezzoli 2022

*Soil and Water Engineering* - Dalmiro Martell 2017-02

**Digital Transformation of the Design, Construction and Management Processes of the Built Environment** - Bruno Daniotti 2019-01-01

This open access book focuses on the development of methods, interoperable and integrated ICT tools, and survey techniques for optimal management of the building process. The construction sector is facing an increasing demand for major innovations in terms of digital dematerialization and technologies such as the Internet of Things, big data, advanced manufacturing, robotics,

3D printing, blockchain technologies and artificial intelligence. The demand for simplification and transparency in information management and for the rationalization and optimization of very fragmented and splintered processes is a key driver for digitization. The book describes the contribution of the ABC Department of the Polytechnic University of Milan (Politecnico di Milano) to R&D activities regarding methods and ICT tools for the interoperable management of the different phases of the building process, including design, construction, and management. Informative case studies complement the theoretical discussion. The book will be of interest to all stakeholders in the building process - owners, designers, constructors, and faculty managers - as well as the research sector.

**Critique of Architecture** - Douglas Spencer 2021-01-18

Critique of Architecture offers a renewed and radical theorization of the relations between capital and architecture. It explicates the theoretical gymnastics through which architecture legitimates its services to neoliberalism, examines the discipline's production of platforms for happily compliant consumers, and challenges its entrepreneurial self-image. Critique of Architecture also addresses the discourse of autonomy, questioning its capacity to engage effectively with the terms and conditions of capitalism today, analyses the post-political turns of contemporary architecture theory, and reckons with the legacies and limitations of critical theory.

Handbook of Fluid Dynamics - Victor Lyle Streeter 1961

*History and Strategy* - Steven Kahl  
2012-09-03

In this volume, strategy scholars, business historians, and economic historians are brought together to develop a volume that explores the complementarities of approaches.

Defence Sites - C. Clark 2012

" ... some of the papers presented at the 1st International Conference on Defence Sites: Heritage and Future held in Portsmouth"-- Preface.

**Computational Science and Its Applications - ICCSA 2014** - Beniamino Murgante 2014-07-02

The six-volume set LNCS 8579-8584 constitutes the refereed proceedings of the 14th International Conference on Computational Science and Its Applications, ICCSA 2014, held in Guimarães, Portugal, in June/July 2014. The 347 revised papers presented in 30 workshops and a special track were carefully reviewed and selected from 1167. The 289 papers presented in the

workshops cover various areas in computational science ranging from computational science technologies to specific areas of computational science such as computational geometry and security.

*Introduction to Distribution Logistics* - Paolo Brandimarte 2007-07-27

unique introduction to distribution logistics that focuses on both quantitative modeling and practical business issues Introduction to Distribution Logistics presents a complete and balanced treatment of distribution logistics by covering both applications and the required theoretical background, therefore extending its reach to practitioners and students in a range of disciplines such as management, engineering, mathematics, and statistics. The authors emphasize the variety and complexity of issues and sub-problems surrounding distribution logistics as well as the limitations and scope of applicability of

the proposed quantitative tools. Throughout the book, readers are provided with the quantitative approaches needed to handle real-life management problems, and areas of study include: Supply chain management Network design and transportation Demand forecasting Inventory control in single- and multi-echelon systems Incentives in the supply chain Vehicle routing Complete with extensive appendices on probability and statistics as well as mathematical programming, Introduction to Distribution Logistics is a valuable text for distribution logistics courses at both the advanced undergraduate and beginning graduate levels in a variety of disciplines, and prior knowledge of production planning is not assumed. The book also serves as a useful reference for practitioners in the fields of applied mathematics and statistics, manufacturing engineering, business management, and operations research. The

book's related Web site includes additional sections and numerical illustrations.

### **Evaluation and Performance Measurement of Research and Development**

**Development** - Vittorio Chiesa 2009-01-01

This book develops and illustrates a comprehensive, multi-level framework for the evaluation of industrial research and development (R&D) activities and the measurement of their performance. The framework encompasses a set of hierarchical, interrelated levels at which R&D evaluation and performance measurement could be undertaken. This enlightening book focuses on the single industrial firm to study performance measurement of R&D functions, projects and individual researchers or engineers. It also addresses R&D evaluation from the point of view of financial markets, with a focus on the relationship between R&D investments and the value of the traded

firm. The book broadens its scope to study the role of technology platforms as R&D coordination mechanisms and also looks at the evaluation of R&D policies. This book will be warmly welcomed by researchers and postgraduate students in disciplines concerned with innovation management, technology policy, and finance who wish to gain an updated overview of R&D evaluation and performance measurement as well as exploring different units of analysis.

**The Routledge Companion to Urban Regeneration** - Michael E. Leary

2013-10-30

In the past decade, urban regeneration policy makers and practitioners have faced a number of difficult challenges, such as sustainability, budgetary constraints, demands for community involvement and rapid urbanization in the Global South. Urban regeneration remains a high profile and important field of government-led

intervention, and policy and practice continue to adapt to the fresh challenges and opportunities of the 21st century, as well as confronting long standing intractable urban problems and dilemmas. This Companion provides cutting edge critical review and synthesis of recent conceptual, policy and practical developments within the field. With contributions from 70 international experts within the field, it explores the meaning of 'urban regeneration' in differing national contexts, asking questions and providing informed discussion and analyses to illuminate how an apparently disparate field of research, policy and practice can be rendered coherent, drawing out common themes and significant differences. The Companion is divided into six sections, exploring: globalization and neo-liberal perspectives on urban regeneration; emerging reconceptualizations of regeneration; public

infrastructure and public space; housing and cosmopolitan communities; community centred regeneration; and culture-led regeneration. The concluding chapter considers the future of urban regeneration and proposes a nine-point research agenda. This Companion assembles a diversity of approaches and insights in one comprehensive volume to provide a state of the art review of the field. It is a valuable resource for both advanced undergraduate and postgraduate students in Urban Planning, Built Environment, Urban Studies and Urban Regeneration, as well as academics, practitioners and politicians.

*Historic Control Textbooks* - Janos Gertler  
2006-11-21

This collection is to present the earliest textbooks that grew out of the original development of automatic control, and the many others that followed very soon, in various countries, and in various languages.

We set out to collect information on one to four books from each country, including a brief description of the background, history and contents of the book, a picture of the front page, and copies of one to a few "typical" pages. With the latter, we intended to show pages that contain an equation or figure, easily recognizable to anyone familiar with control, embedded in the text written in one of the many languages and, in some cases, in various scripts. The present collection contains 62 entries from 21 countries.

**Property Investment Appraisal** - Andrew E. Baum 2021-01-06

Discover an insightful examination of the property investment appraisal process from leaders in the industry This book explains the process of property investment appraisal: the process of estimating both the most likely selling price (market value) and the worth of property investments to



individuals or groups of investors (investment value). Valuations are important. They are used as a surrogate for transactions in the measurement of investment performance and they influence investors and other market operators when transacting property. Valuations need to be trusted by their clients and valuers need to produce rational and objective solutions. Appraisals of worth are even more important, as they help to determine the prices that should be paid for assets, even in times of crisis, and they can indicate market under- or over-pricing. In a style that makes the theory as well as the practice of valuation accessible to students and practitioners, the authors provide a valuable critique of conventional valuation methods and argue for the adoption of more contemporary cash-flow methods. They explain how such valuation models are constructed and give useful examples

throughout. They also show how these contemporary cash-flow methods connect market valuations with rational appraisals. The UK property investment market has been through periods of both boom and bust since the first edition of this text was produced in 1988. As a result, the book includes examples generated by vastly different market states. Complex reversions, over-rented properties and leaseholds are all fully examined by the authors. This Fourth Edition includes new material throughout, including brand new chapters on development appraisals and bank lending valuations, heavily revised sections on discounted cash flow models with extended examples, and on the measurement and analysis of risk at an individual property asset level. The heart of the book remains the critical examination of market valuation models, which no other book addresses in such detail.

**No Stone Unturned** - Maggie Kuhn 1991

In 1970, when the United Presbyterian Church informed 65-year-old Maggie Kuhn that she would have to retire from her executive position, she was surprised and unprepared. But instead of bemoaning her fate, she proceeded to do what she'd done all her life: change the rules. Kuhn got together with five friends in similar predicaments and formed the Gray Panthers. At a time when the old had become a neglected and forgotten class, the Panthers championed the role and status of the elderly as no organization had before.

Advances in Databases and Information Systems - Witold Litwin 1998-08-19

This book constitutes the refereed proceedings of the Second East European Symposium on Advances in Databases and Information systems, ADBIS '98, held in Poznan, Poland in September 1998. The 25 revised full papers presented were selected

from a total of 90 submissions and six extended abstracts within a special section. "East meets West". The papers are organized in topical sections on query languages, optimization, collaborative systems, schema integration, storage and version management, object systems, knowledge discovery and the Web, and systems design.

*Defence Sites II* - C.A. Brebbia 2014-09-17

Containing the proceedings of the second International Conference on Defence Sites, Heritage and Future this book promotes the knowledge of the scale, design and functions of defence sites. It brings a better understanding of the issues raised by their redundancy and the implications of different disposal processes for the land. Redundant defence sites offer a range of opportunities to planners, architects and local communities to redevelop large areas, bringing new life to often neglected parts of

towns. These opportunities are common to many countries and the papers in this book stress this common feature and help to share experiences of the transformation of defence sites to civilian uses around the world. The re-use of defence sites also raises questions regarding the need to recover brownfields and contaminated land which can have far-reaching legal responsibilities and environmental consequences. Achieving the sustainable development of these sites involves issues related to maintenance and conservation, as well as built and natural environmental controls, while also responding to the needs and aspirations of the community. Topics covered include: Military heritage history; Castles and fortresses; Fortified cities; Case studies; Transition from military to civilian life; Community involvement; Economic analysis; Risk assessment; Simulation and modelling; Funding and legal requirements.

**Planning Matter** - Robert A. Beauregard  
2015-11-03

City and regional planners talk constantly about the things of the world—from highway interchanges and retention ponds to zoning documents and conference rooms—yet most seem to have a poor understanding of the materiality of the world in which they're immersed. Too often planners treat built forms, weather patterns, plants, animals, or regulatory technologies as passively awaiting commands rather than actively involved in the workings of cities and regions. In the ambitious and provocative *Planning Matter*, Robert A. Beauregard sets out to offer a new materialist perspective on planning practice that reveals the many ways in which the nonhuman things of the world mediate what planners say and do. Drawing on actor-network theory and science and technology studies, Beauregard lays out a framework that acknowledges the

inevitable insufficiency of our representations of reality while also engaging more holistically with the world in all of its diversity—including human and nonhuman actors alike.

*Age-Friendly Cities and Communities* - Tine Buffel 2019-02-20

As the drive towards creating age-friendly cities grows, this important book provides a comprehensive survey of theories and policies aimed at improving the quality of life of older people living in urban areas. In this book, part of the Ageing in a Global Context series, leading international researchers critically assess the problems and the potential of designing age-friendly environments. The book considers the different ways in which cities are responding to population ageing, the different strategies for developing age-friendly communities, and the extent to which older people themselves can be involved in the co-

production of age-friendly policies and practices. The book includes a manifesto for the age-friendly movement, focused around tackling social inequality and promoting community empowerment.

*Listening to Harlem* - David Maurrasse 2014-05-01

Harlem is flourishing. Many say a second Renaissance is happening above 120th Street. Magic Johnson opened a major theater, Bill Clinton has centered his post-presidential offices there, countless homes have been restored to their former glory, and, not without controversy, many whites are flocking to the neighborhood. But what will this gentrification do to Harlem, and how will it change life for Harlem's longtime residents? As communities and businesses struggle with differing motivations and needs, David Maurrasse looks at ways they can work together to form partnerships. *Listening to Harlem* offers an exciting

portrait of the struggles confronting one of America's most important neighborhoods. This engaging read will appeal to anyone with an interest in how the neighborhood is faring today, as well as those involved professionally and socially in urban development.

### **Sustainability, Energy and Architecture**

- Ali Sayigh 2013-09-25

This unique volume offers insights from renowned experts in energy efficient building from the world over, providing a multi-faceted overview of the state-of-the-art in energy efficient architecture. It opens by defining what constitutes a sustainable building, suggesting bases for sorely needed benchmarks, then explains the most important techniques and tools available to engineers and architects exploring green building technologies. It covers such pivotal issues as daylighting, LED lighting, integrating renewables such as solar

thermal and cooling, retrofitting, LEED and similar certification efforts, passive houses, net-zero and close-zero structures, water recycling, and much more. Highlighting best practices for commercial buildings and private homes, in widely varied climates and within vastly different socio-economic contexts, this illustrated reference will guide architects and engineers in making sustainable choices in building materials and methods. Explains the best methods and materials to support energy efficient building Features case studies by experts from a dozen countries, demonstrating how sustainable architecture can be achieved in varied climates and economies Covers both new constructions and retrofitting of existing structures

### **Notes on Doctoral Research in Design -**

Luca Guerrini 2010

### **Sustainable Building Design for**

**Tropical Climates** - Federico Butera 2014

*Neurocapitalism* - Giorgio Griziotti  
2018-11-19

'Neurocapitalism' takes us on an extraordinarily original journey through the effects that cutting-edge technology has on cultural, anthropological, socio-economic and political dynamics.

Architetture Temporanee - Simone Micheli  
2002

*Architettura e sostenibilità Innovazione e sperimentazione tra ambiente costruito e paesaggio. Ediz. italiana e inglese* - M. Balzani 2021

*Visualizing Venice* - Kristin L. Huffman  
2017-10-04

Visualizing Venice presents the ways in which the use of innovative technology can provide new and fascinating stories about

places and times within history. Written by those behind the Visualizing Venice project, this book explores the variety of disciplines and analytical methods generated by technologies such as 3D images and interoperable models, GIS mapping and historical cartography, databases, video animations, and applications for mobile devices and the web. The volume is one of the first collections of essays to integrate the theory and practice of visualization technologies with art, architectural, and urban history. The chapters demonstrate how new methodologies generated by technology can change and inform the way historians think and work, and the potential that such methods have to revolutionize research, teaching, and public-facing communication. With over 30 images to support and illustrate the project's work, Visualizing Venice is ideal for academics, and postgraduates of digital history, digital

humanities, and early modern Italy.

**Intelligent Library Buildings** - Marie-

Françoise Bisbrouck 2015-03-30

The International Federation of Library Associations and Institutions (IFLA) is the leading international body representing the interests of library and information services and their users. It is the global voice of the information profession. The series IFLA Publications deals with many of the means through which libraries, information centres, and information professionals worldwide can formulate their goals, exert their influence as a group, protect their interests, and find solutions to global problems.

**Defence Sites III** - C.A. Brebbia

2016-06-02

Containing the proceedings of the third International Conference on Defence Sites: Heritage and Future, this book deals with the scale, design and functions of defence sites. It facilitates a better understanding of

the issues raised by their decommissioning and the implications of various disposal processes for the land. Defence sites due to be decommissioned offer a range of opportunities to planners, architects and local communities to redevelop large areas, bringing new life to previously neglected parts of towns. However, the re-use of defence sites also raises questions regarding the recovery of brownfields and contaminated land, since these can have far-reaching legal responsibilities and environmental consequences. Achieving the sustainable development of these sites involves issues related to maintenance and conservation, as well as built and natural environmental controls, while also responding to the needs and aspirations of the community. Many of the opportunities and problems in the re-use of defence sites are shared by a number of countries and the book stresses these common experiences.

Topics covered include: Fortified cities; Community involvement; Economic analysis; Risk assessment; Simulation and modelling; Funding and legal requirements; Military engineering in the modern age; Conservation and restoration; Transition from military to civilian uses; Fortified heritage, culture, tourism & education; Military heritage history; Castles and fortresses; Case studies.

*Gaining Momentum* - Joseph Tidd 2010  
Diffusion, or the widespread adoption of innovations, is a critical yet under-researched topic. There is a wide gap between development and successful adoption of an innovation. Therefore, a better understanding of why and how an innovation is adopted can help develop realistic management and business plans. Most books on this topic use a single-discipline approach to explain the diffusion of innovations. This book adopts a multi-

disciplinary and managerial process approach to understanding and promoting the adoption of innovations, based on the latest research and practice. It will be of interest to graduates and researchers in marketing, product development and innovation courses.

**Pharmacoinformatics and Drug Discovery Technologies: Theories and Applications** - Gasmelseid, Tagelsir Mohamed 2012-03-31

Within the context of integrated health management domains, pharmacoinformatics aims at maximizing the benefits from the use of information systems and technologies for the provision of decision support tools necessary for improved drug management, use, and administration practices.

Pharmacoinformatics and Drug Discovery Technologies: Theories and Applications offers the latest the field has to offer to



practitioners and academics alike, presented through theoretical frameworks, case studies, and future directions. This vital resource gathers an integrated pattern of high quality publications from around the world providing current, cutting-edge, and provocative scientific work in the three domains of pharmacoinformatics: decision making domains, knowledge utilization and representation environment, and the technological and infrastructural context.

**Physical Metallurgy for Engineers** - Miklós Tisza 2001-01-01

*Cultural Heritage and the Challenge of Sustainability* - Diane Barthel-Bouchier 2016-06-16

For cultural and heritage institutions around the world, sustainability is the major challenge of the twenty-first century. In the first major work to analyze this critical issue, Barthel-Bouchier argues that programmatic

commitments to sustainability arose both from direct environmental threats to tangible and intangible heritage, and from social and economic contradictions as heritage developed into a truly global organizational field. Drawing on extensive fieldwork and interviews over many years, as well as detailed coverage of primary documents and secondary literature, she examines key international organizations including UNESCO, ICOMOS, and the World Monuments Fund, and national trust organizations of Great Britain, the United States, and Australia, and many others. This wide-ranging study establishes a foundation for critical analysis and programmatic advances as heritage professionals encounter the growing challenge of sustainability.

Interdependence and Uncertainty - Charles Crichton 2013-07-04  
Tavistock Press was established as a co-

operative venture between the Tavistock Institute and Routledge & Kegan Paul (RKP) in the 1950s to produce a series of major contributions across the social sciences. This volume is part of a 2001 reissue of a selection of those important works which have since gone out of print, or are difficult to locate. Published by Routledge, 112 volumes in total are being brought together under the name The International Behavioural and Social Sciences Library: Classics from the Tavistock Press. Reproduced here in facsimile, this volume was originally published in 1966 and is available individually. The collection is also available in a number of themed mini-sets of between 5 and 13 volumes, or as a complete collection.

**Theory of Automatic Control** - M. A.

Aizerman 2016-10-27

Theory of Automatic Control focuses on the theory of automatic control, including

controllers, models, control processes, and analysis of systems. The book first offers information on the general introduction to automatic controllers and the construction of a linear model control system and the initial material for its analysis. Discussions focus on astatic controllers of indirect action, floating feedback, controllers of discontinuous action, static characteristics of elements and of systems, and frequency characteristics of a linear element and of the linear model of a system. The text then ponders on the stability of the linear model of an automatic control system and the construction and evaluation of the processes in the linear model of a system of automatic control. Topics include construction of the process from the transfer function of the system; construction of the control process from the frequency characteristics of the system; and analysis of systems with random disturbances given

statistically. The publication takes a look at auto- and forced oscillation in non-linear systems, including approximate determination of forced oscillations in the presence of an external periodic action and determination of the auto-oscillations in the case of auto-resonance. The manuscript is a dependable reference for readers interested in the theory of automatic control.

**Buildings for Education** - Stefano Della Torre 2019-01-01

This open access book presents theoretical and practical research relating to the vast, publicly financed program for the construction of new schools and the reorganization of existing educational buildings in Italy. This transformative process aims to give old buildings a fresh identity, to ensure that facilities are compliant with the new educational and teaching models, and to improve both energy efficiency and structural safety with

respect to seismic activity. The book is divided into three sections, the first of which focuses on the social role of the school as a civic building that can serve the needs of the community. Innovations in both design and construction processes are then analyzed, paying special attention to the Building Information Modeling (BIM) strategy as a tool for the integration of different disciplines. The final section is devoted to the built heritage and tools, technologies, and approaches for the upgrading of existing buildings so that they meet the new regulations on building performance. The book will be of interest to all who wish to learn about the latest insights into the challenges posed by, and the opportunities afforded by, a comprehensive school building and renovation program.

**An Introduction to Building Procurement Systems** - Dr Jack Masterman 2003-09-02

First Published in 2003. Routledge is an imprint of Taylor & Francis, an informa company.

New Trends in Water and Environmental Engineering for Safety and Life - U. Maione  
2000-01-01

This volume looks at recent scientific

knowledge and innovative techniques concerning environmental matters. The proceedings focus on topics such as hydraulic protection of territory and defence, utilization of water resources, architecture and planning of fluival/coastal landscape and much more.