

Second Edition

SUSTAINABLE HEALTHCARE ARCHITECTURE

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Sustainable Healthcare Architecture

Osman Attmann



Sustainable Healthcare Architecture:

Sustainable Healthcare Architecture Robin Guenther, Gail Vittori, 2013-07-22 With this book Robin Guenther and Gail Vittori show us how critical our green building mission is to the future of human health and secures a lasting legacy that will continue to challenge and focus the green building movement the healthcare industry and the world for years to come From the Foreword by Rick Fedrizzi President CEO and Founding Chair U S Green Building Council INDISPENSABLE REFERENCE FOR THE FUTURE OF SUSTAINABLE HEALTHCARE DESIGN Written by a leading healthcare architect named one of Fast Company's 100 most creative people in business and a sustainability expert recognized by Time magazine as a Green Innovator Sustainable Healthcare Architecture Second Edition is fully updated to incorporate the latest sustainable design approaches and information as applied to hospitals and other healthcare facilities It is the essential guide for architects interior designers engineers healthcare professionals and administrators who want to create healthy environments for healing Special features of this edition include 55 new project case studies including comparisons of key sustainability indicators for general and specialty hospitals sub acute and ambulatory care facilities and mixed use buildings New and updated guest contributor essays spanning a range of health focused sustainable design topics Evolving research on the value proposition for sustainable healthcare buildings Profiles of five leading healthcare systems and their unique sustainability journeys including the UK National Health Service Kaiser Permanente Partners HealthCare Providence Health Services and Gundersen Health System Focus on the intersection of healthcare resilience and a health promotion imperative in the face of extreme weather events Comparison of healthcare facility focused green building rating systems from around the world Sustainable Healthcare Architecture Second Edition is an indispensable resource for anyone interested in the design construction and operation of state of the art sustainable healthcare facilities **Sustainable Healthcare Architecture** Robin Guenther, Gail Vittori, 2008 Design restorative building biophilia enhanced air quality and high performance building systems Written by leading national experts on the subject one of whom was recognized by Time magazine as a green innovator Sustainable Healthcare Architecture is the key guide to designing sustainable healthcare facilities Building on the authors combined knowledge and experience this book includes case studies of more than 50 of the best contemporary sustainable healthcare projects The book also contains numerous essays contributed by other leaders in sustainable design and healthcare Additionally the authors provide background information on LEED for Healthcare as well as on the Green Guide for Health Care which they were instrumental in developing **Sustainable Healthcare Architecture** Robin Guenther, 2013 **Design for Health** Terri Peters, 2017-04-06 Design for Health Sustainable Approaches to Therapeutic Architecture Guest Edited by Terri Peters This issue of AD seeks out innovative and varied sustainable architectural responses to designing for health such as integrating sensory gardens and landscapes into the care environment specifying local materials and passive technologies and reinvigorating aging postwar facilities Contributors

include Anne Marie Adams Sean Ahlquist Giuseppe Boscherini Robin Guenther Charles Jencks Richard Mazuch Stephen Verderber Featured architects 100% Interior Arup C F M ller Lyons MASS Design Group Montgomery Sisam Architects Penoyre Prasad

Innovations in Hospital Architecture Stephen Verderber,2010-03-31 Captures key developments in the field of sustainable hospital architecture Architecture and Health Dina Battisto,Jacob J. Wilhelm,2019-10-17

Architecture and Health recognizes the built environment and health as inextricable encouraging a new mind set for the profession Over 40 international award winning projects are included to explore innovative design principles linked to health outcomes The book is organized into three interdependent health domains individual community and global in which each case study proposes context specific architectural responses Case studies include children s hospitals rehabilitation facilities elderly housing mental health facilities cancer support centers clinics healthy communities healthcare campuses wellness centers healing gardens commercial offices infrastructure for developing countries sustainable design and more

Representing the United States Africa Asia Europe and Australia each author brings a new perspective to health and its related architectural response This book brings a timely focus to a subject matter commonly constricted by normative building practices and transforms the dialogue into one of creativity and innovation With over 200 color images this book is an essential read for architects designers and students to explore and analyze designed environments that promote health and well being

H21 Dominic Feng,2015 This project consists of four parts which together aim to evoke a sustainable and green design for the next generation hospital which each part itself has been intrigued by the very basic thought of hospital and hospitalizing in different epochs and aspects Part 01 gives a brief historical ichnography of hospitals through ten canonical examples since ancient Greek to present This part whose title is inspired by Peter Eisenman s book Ten Canonical Buildings This part intends to open a critical and through view of the way people were thinking about the space for the sick people and successful findings and the inspiration it seeks for future in hospitalizing phenomena Part 02 reviews contemporary problems of healthcare industry primarily in the United States intending to combine the research results of management science into healthcare sphere and to provoke how a healthcare facilities in future can be managed and constructed Part 03 includes a context study page in function and design of the existing University of Florida Shands Complex and a guideline page of the accreditation systems of sustainable healthcare buildings It also considers the possible future applica tion of the concepts discussed with a practical design project of Cardiovascular Center in UF Health Shands at University of Florida Part 04 contains the sustainable healthcare architecture strategem associated with the design proposal of UF Health Cardiovascular Center which are concerned with hospital design trends of today and particularly with the evaluation of a scientifically contemporary standards for green buildings

Building Sustainable Health Systems Klaus A. Kuhn,2007

Improving Sustainability During Hospital Design and Operation Stefano Capolongo,Marta Carla Bottero,Maddalena Buffoli,Emanuele Lettieri,2015-02-25 This book describes the Sustainable High Quality Healthcare

SustHealth project which had the goal of developing an original multidisciplinary evaluation tool that can be applied to assess and improve hospitals overall sustainability The comprehensive nature of the appraisal offered by this tool exceeds the scope of most current rating systems which typically permit a thorough evaluation of relevant environmental factors when designing a new building but fail to consider social and economic impacts of the design phase or the performance of the hospital s operational structure in these fields The multidisciplinary evaluation system was developed from its very inception through to its testing by following a scientific experimental method in which a global perspective was constantly maintained as opposed to a focus only on specific technical issues Application of the SustHealth rating tool to a currently functioning hospital or one under design will identify weaknesses and guide users to potential low cost short term solutions and longer term strategies for improvement

Healthcare Architecture as Infrastructure Stephen H. Kendall,2018-11-19

Architects and healthcare clients are increasingly coming to recognize that once built healthcare facilities are almost immediately subject to physical alterations which both respond to and affect healthcare practices This calls into question the traditional ways in which these facilities are designed If functions and practices are subject to alteration the standard approach of defining required functions and practices before acquiring facilities is obsolete We need other starting points working methods and ways of collaborating Healthcare Architecture as Infrastructure presents these new approaches Advocating an infrastructure theory of built environment transformation in which design and investment decisions are organized hierarchically and transcend short term use the book draws the practice and research of a number of architects from around the world Written by experts with experience in policy making designing building and managing complex healthcare environments it shows professionals in architecture engineering healthcare and facilities management how to enhance the long term usefulness of their campuses and their building stock and how to strengthen their physical assets with the capacity to accommodate a quickly evolving healthcare sector

The Architecture of Medical Imaging Bill

Rostenberg, FAIA,Steven C. Horii,2006-06-12 Serves as a guide to the design of the medical imaging facilities for health care including radiology MRI CT scan PET scan This work discusses the complex issues aiming to make it understandable to health care planners department heads and executives

The Architecture of Health Michael P. Murphy,Jeffrey

Mansfield,2021-11-14 Architecture of Health is a story about the design and life of hospitals about how they are born and evolve about the forces that give them shape and the shifts that conspire to render them inadequate Reading architecture through the history of hospitals is a deciphering tool for unlocking the elemental principles of architecture and the intractable laws of human and social conditions that architecture serves in each of our lives This book encounters brilliant and visionary designers who were hospital architects but also systems designers driven by the aim of social change They faced the contradictions of health care in their time and found innovative ways to solve for specific medical dilemmas Less known designers like Filarete Llu s Dom nech i Montaner Albert Schweitzer Max Fry and Jane Drew John Dawe Tetlow

Gordon Friesen Thomas Wheeler and Eberhard Zeidler are studied here while the medical spaces of more widely known architects like Isambard Brunel Aalvar Aalto Le Corbusier Louis Kahn and Paul Rudolph also help inform this history All these characters were polymaths and provocateurs but none quite summarizes this history more succinctly than Florence Nightingale who in laying out her guidelines for ward design in 1859 shows how the design of a medical facility can influence an entire political and social order Architecture of Health richly illustrated with images and never before published renderings and drawings from the MASS Design Group charts historical epidemics alongside modern and contemporary architectural transformations in service of medicine health and habitation it explores how infrastructure facilitates healing and architecture s greater role in constructing our societies **Architecture Today** ,2006 **Agenda** Julien De Smedt (Firm),Jesse Seegers,2009 AGENDA occupies the territory between a monograph diary and a collection of essays interviews and conversations produced by JDS Architects with a wide range of contributors and collaborators Starting from the belief that an agenda is not simply an expression of individual intentions but rather a vector for the production of new realities AGENDA addresses the need for architecture to transform itself in an era of ecological and economic crisis Change the buzzword of the last U S presidential campaign is indeed the order of the day and AGENDA explores exactly what kind of change will be needed if architects are to assume a political and social agency in this new landscape The book seeks to define not only the work of JDS Architects but also the challenges and situations confronting young architectural practices emerging at a time of crisis An ambitious attempt to describe the conditions within which architecture is produced today **Green Architecture (GreenSource Books)** Osman Attmann,2010 Chapter 1 Green Architecture An Overview Chapter 2 Definitions and Operationalizations of Green Architecture Chapter 3 Brief History of Green Architecture Chapter 4 Green Technologies Energy Generation Chapter 5 Green Technologies Energy Retention Chapter 6 Green Materials Chapter 7 Smart Materials Chapter 8 Case Studies BibliographyIndexOsman Attmann is an architect and associate professor at the College of Architecture and Planning University of Colorado *World Hospitals and Health Services* ,2003 Illustrated Dictionary of Architecture, Third Edition Ernest Burden,2012-02-06 Now in full color a thoroughly updated edition of the premier illustrated architectural dictionary Revised and expanded the Illustrated Dictionary of Architecture Third Edition features 8 000 definitions 4 000 illustrations and biographies of hundreds of architects accompanied by classic examples of their work This new full color edition includes terms relating to green ecological and sustainable architecture Everything critically important to those in the field of architecture and design is covered including Architectural styles Details Building elements Architectural forms Building systems Green building Meticulously written heavily cross referenced and filled with more than 3 000 new and updated definitions and 1 000 new photographs this impressive visual resource is the best way to gain a full understanding of architectural elements and the new language of green and sustainable architecture **A Functional Architecture for Hospital and Pre-hospital Planning Response to a Mass Casualty Event** ,2006 *Contract* ,2007

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