

Get Free Analog Circuit Design Volume 2 Immersion In The Black Art Of Analog Design Pdf For Free

Chemoinformatics Approaches to Structure- and Ligand-Based Drug Design, Volume II Sep 06 2021

Bioregional Planning and Design: Volume II Apr 13 2022 This book provides insights and discusses the practical application of the theoretical concept of urban bioregion complementing the general bioregional planning cross-disciplinary issues provided in Volume I. It examines planning practices, such as relocalisation of energy flows, land protection for climate change, territorial heritage enhancement, the consideration of urban ecosystems and agro-ecology. It presents discussions on regional contexts, practices and projects for a bioregional recovery, and includes case studies from France, Belgium, Spain, Greece, Austria and Italy, discussing topics that range from the reframing of local energy production/delivery planning systems to soil protection and farmland sustainable exploitation schemes. This volume concludes with three cross-European case studies that make clear the worldwide relevance and potential of bioregional approach beyond the Global North or Western countries.

The Web Designer's Idea Book Volume 2 Oct 19 2022 Web Design Inspiration at a Glance Volume 2 of The Web Designer's Idea Book includes more than 650 new websites arranged thematically, so you can easily find inspiration for your work. Author Patrick McNeil, creator of the popular web design blog designmeltdown.com and author of the original bestselling Web Designer's Idea Book, has cataloged thousands of sites, and showcases the latest and best examples in this book. The web is the most rapidly changing design medium, and this book offers an organized overview of what's happening right now. Sites are categorized by type, design element, styles and themes, structural styles, and structural elements. This new volume also includes a helpful chapter explaining basic design principles and how they can be applied online. Whether you're brainstorming with a coworker or explaining your ideas to a client, this book provides a powerful communication tool you can use to jumpstart your next project.

Andrew Martin Nov 15 2019 - The 25th-anniversary edition of the 'Bible of the Interior Design World' (Times of London) -- a must-have coffee table book and ideal gift for design lovers - All the latest trends in furnishing, living, and interior design -- including the current winner of the 'Designer of the Year' award - The latest creations of the 100 top interior designers worldwide showcased in some 1,000 color photos in over 500 pages Vintage or modern? Sleek minimalism or splendid opulence? Scandinavian hygge or Neon Art? For all that is emerging and on trend in the world of interiors, look no further than the Andrew Martin Interior Design Review Vol. 25. Compiled by founder Martin Waller, dubbed the "Indiana Jones of Interior Design," this anniversary edition of the interior design bible showcases the diverse creations of 100 leading interior designers, including the winner of the "Designer of the Year" award. Regardless of whether you are looking for inspiring design ideas for your own home or simply want to sneak a peek at beautiful interior spaces, this vibrant coffee table book will delight design lovers around the globe.

Fundamentals of Aircraft and Airship Design Aug 17 2022 The aircraft is only a transport mechanism for the payload, and all design decisions must consider payload first. Simply stated, the aircraft is a dust cover. "Fundamentals of Aircraft and Airship Design, Volume 1: Aircraft Design" emphasizes that the science and art of the aircraft design process is a compromise and that there is no right answer; however, there is always a best answer based on existing requirements and available technologies.

Tax Law Design and Drafting, Volume 1 May 14 2022 Edited by Victor Thuronyi, this book offers an introduction to a broad range of issues in comparative tax law and is based on comparative discussion of the tax laws of developed countries. It presents practical models and guidelines for drafting tax legislation that can be used by officials of developing and transition countries. Volume I covers general issues, some special topics, and major taxes other than income tax.

A Holistic Approach to Ship Design Jul 16 2022 This book deals with modern Computer-Aided Design (CAD) software tools and platforms implemented in ship design, the integration of techno-economic databases, the use of optimisation and simulation software tools, which are integrated in these platforms, and the virtual modelling of ships and their operation by using a Virtual Vessel Framework (VVF). It contains a series of application case studies related to the developed holistic approach to ship design and operation. Nine case studies are described, referring to the design and operation of various ship types, namely RoPax, cruise ship, double-ended ferry, bulk carrier, containership, offshore support vessel, ocean surveillance ship and research vessel and one offshore structure. All case studies are driven by leading representatives of the European Maritime Industry. This book complements A Holistic Approach to Ship Design, volume 1, which covers methods and tools for the life cycle optimisation and assessment of ship design and operation.

New Masters of Poster Design Aug 25 2020 New in Paperback! In much the way that the CD replaced the album, the poster has waned as a messaging vehicle.

Book Design Made Simple May 02 2021 Book Design Made Simple gives DIY authors, small presses, and graphic designers--novices and experts alike--the power to design their own books. It's the first comprehensive book of its kind, explaining every step from installing Adobe(R) InDesign(R) right through to sending the files to press. For those who want to design their own books but have little idea how to proceed, Book Design Made Simple is a semester of book design instruction plus a publishing class rolled into one. Let two experts guide you through the process with easy step-by-step instructions, resulting in a professional-looking top-quality book

Roll Pass Design ... Oct 15 2019

New Masters of Poster Design, Volume 2 Nov 20 2022 This second edition of New Masters of Poster Design features the best poster designers currently working all over the world. This book brings back a handmade aesthetic that was really never lost, but is celebrating a resurgence among designers who are creating limited-edition prints and pieces for themselves and others that become keepsakes or pieces of art vs. the mass-generated designs we've all become accustomed to and you won't see this collection of posters anywhere else. Strong visuals accompanied by captions and profiles capture the essence of these collectible prints.

This Cruel Design May 22 2020 Where can you hide when you're running from yourself? Catarina thought they'd stopped the Hydra virus. She was wrong. After laying everything on the line to decrypt the vaccine, Cat realises that Lachlan's daemon code is in the panel of every person on the planet's surface. With it, he can reprogram humanity. She, Cole and Leoben set out to stop him, but they're on a timer. Cartaxus - the shadowy corporation that's both helped and hindered them - has a deadly end game in play. The virus is evolving, the vaccine is dying, and if Cat can't find Lachlan in three days, they'll use lethal code to wipe out every person on the planet. Their path takes them to Entropia, an underground city deep in the desert and home to the most extreme gene hackers, run by the queen of coding, Regina. Struggling with the revelations about her past, and plagued by strange visions, what Cat finds in Entropia is more than just a trail to Lachlan. Because in the vaulted chambers of Regina's kingdom, Cat is forced to question everything she knows and everyone she trusts, and discovers that the biggest threat of all may be buried in her own mind. 'With a backdrop of amazing science and technology, This Mortal Coil is a smart, page-turning thriller that gave me chills. I couldn't put this book down.' - Laini Taylor, bestselling author of Daughter of Smoke and Bone. 'I can't remember the last time I was so hooked by a book. Relentlessly paced, expertly plotted, and with a romance as tense and as captivating as her wicked twists, Emily Suvada has crafted an unputdownable story. I loved every terrifying page.' - Stephanie Garber, bestselling author of Caraval. 'This Mortal Coil redefines "unputdownable." A thrilling, exhilarating read that's crackling with intelligence. Compelling characters and and incredible twists come together perfectly - I loved this book.' - Amie Kaufman, bestselling author of Illuminae.

System Design Interview - An Insider's Guide Dec 21 2022 The system design interview is considered to be the most complex and most difficult technical job interview by many. Those questions are intimidating, but don't worry. It's just that nobody has taken the time to prepare you systematically. We take the time. We go slow. We draw lots of diagrams and use lots of examples. You'll learn step-by-step, one question at a time. Don't miss out. What's inside? - An insider's take on what interviewers really look for and why. - A 4-step framework for solving any system design interview question. - 16 real system design interview questions with detailed solutions. - 188 diagrams to visually explain how different systems work.

Vaccine Design Nov 08 2021 This text provides a practical guide providing step-by-step protocol to design and develop vaccines. Chapters detail protocols for developing novel vaccines against infectious bacteria, viruses, fungi, and parasites for humans and animals. Volume 2: Vaccines for Veterinary Diseases includes vaccines for farm animals and fishes, vaccine vectors and production, vaccine delivery systems, vaccine bioinformatics, vaccine regulation and intellectual property. Written for the Methods in Molecular Biology series, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Authoritative and practical, Vaccine Design: Methods and Protocols, Volume 2: Vaccines for Veterinary Diseases aims to ensure successful results in the further study of this vital field.

Katharine Pooley Jan 18 2020 "British designer Katharine Pooley's refined, sumptuous interiors are inspired by a lifelong zest for adventure. Pooley has traveled extensively around the world, indulging her love of mountain climbing whenever possible, and her journeys are clearly reflected in her bold, eclectic, and daring designs. From the rustic country charm of Forter Castle in the Scottish Highlands, to a contemporary beach villa on the Palm Islands in Dubai, to the golden-red tones of a private residence in Doha, Qatar, Pooley's expert attention to detail shines in any setting. In addition to her successful design studio, Pooley has two boutiques in Knightsbridge, London and Doha, Qatar that boast a line of curated accessories sourced from all over the globe, including crystal vases, cashmere throws, and shagreen boxes, that bring a dose of luxury to any room. Journey by Design explores the creative process and diverse inspirations behind nineteen of her inimitable projects."--

Technology Transfer Program [TTP]. Engineering and Design. Volume 2: Appendices. Final Report Jan 30 2021

The Automotive Body Feb 28 2021 "The Automotive Body" consists of two volumes. The first volume produces the needful cultural background on the body; it describes the body and its components in use on most kinds of cars and industrial vehicles: the quantity of drawings that are presented allows the reader to familiarize with the design features and to understand functions, design motivations and fabrication feasibility, in view of the existing production processes. The second volume addresses the body system engineer and has the objective to lead him to the specification definition used to finalize detail design and production by the car manufacturer or the supply chain. The processing of these specifications, made by mathematical models of different complexity, starts always from the presentations of the needs of the customer using the vehicle and from the large number of rules imposed by laws and customs. The two volumes are completed by references, list of symbols adopted and subjects index. These two books about the vehicle body may be added to those about the chassis and are part of a series sponsored by ATA (the Italian automotive engineers association) on the subject of automotive engineering; they follow the first book, published in 2005 in Italian only, about automotive transmission. They cover automotive engineering from every aspect and are the result of a five-year collaboration between the Polytechnical University of Turin and the University of Naples on automotive engineering.

Bioregional Planning and Design: Volume I Jun 15 2022 This book provides a review of the bioregionalist theory in the field of spatial planning and design as a suitable approach to cope with the growing concerns about the negative effects of metropolization processes and the need for a sustainable transition. The book starts out with a section on rethinking places for community life, and discusses the reframing of regional governance and development as well as social justice in spatial planning. It introduces the concept of the urban bioregion, a pivotal concept that underpins balanced polycentric spatial patterns and supports self-reliant and fair local development. The second part of the book focuses on planning, and particularly on the issues that arise from the 'circular' recovery of the relation between city and agro-ecosystems for integrated planning and resilience of settlements and discusses topics such as foodshed planning, biophilic urbanism and the integration of rural development and spatial planning. This volume sets out the reference framework for Volume II which deals with more specific and operational issues related to spatial policies and settlement design.

The Green Self-build Book Apr 20 2020 Whether you want a turf roof, solar-powered hot water, or a superinsulated (and cost-efficient) house, you need to know the essential elements of the self-build process, and in "The Green Self-Build Book," Jon Broome gives an overview of the different methods of sustainable and eco-friendly construction techniques. The book includes case studies of green building techniques such as earth and straw bale buildings and is intended for anyone who is planning a self-build project, housing professionals, students, and teachers. "The Green Self-Build Book" gives inspiration and information to guide you through the green self-build process.

The Web Designer's Idea Book Volume 2 Jan 10 2022 Web Design Inspiration at a Glance Volume 2 of The Web Designer's Idea Book includes more than 650 new websites arranged thematically, so you can easily find inspiration for your work. Author Patrick McNeil, creator of the popular web design blog designmeltdown.com and author of the original bestselling Web Designer's Idea Book, has cataloged thousands of sites, and showcases the latest and best examples in this book. The web is the most rapidly changing design medium, and this book offers an organized overview of what's happening right now. Sites are categorized by type, design element, styles and themes, structural styles, and structural elements. This new volume also includes a helpful chapter explaining basic design principles and how they can

be applied online. Whether you're brainstorming with a coworker or explaining your ideas to a client, this book provides a powerful communication tool you can use to jumpstart your next project.

Design for Business: Volume 2 Jan 22 2023 The topics in this book range from branding and sustainability to business-driven design education. The book will include Per Mollerup's essay on the importance of simplicity in design. Mollerup is a distinguished Scandinavian designer, Professor, and author of numerous design books, including the best-seller, "Marks of Excellence: The History and Taxonomy of Trademarks" (1997 / 2013) which has sold over 40,000 copies worldwide. In addition to this, we will include transcripts of two interviews with Quan Payne, the former Global Art Director for Nike for the London Olympics and Director for Digital Sports Initiative of Nike+ as well as a paper by Gjoko Muratovski on Nike's design and marketing strategies for the 2012 London Olympics. The book will also feature a transcript of an interview with Dan Formosa, a New York-based design consultant and design researcher and founding member of the iconic Smart Design studio. Dan is an award-winning designer with a list of clients such as Ford, HP, Johnson & Johnson, LG Electronics, and Microsoft. There are number of other works that will be included in this Volume, such as Stuart Gluth's essay on the importance of a research-led design practice in typography; Julian Major's, Aoi Tanaka's and Jenni Romaniuk's paper on colour and brand identity; Emily Wright's paper on packaging design testing methods; Robert Crocker's study of greenwashing, sustainability, and communication design; Nina Terrey's case study on organisational management by design; Gerda Gemser's, Giulia Calabretta's, Nachoem Wijnberg's and Paul Hekkert's paper on strategic decision-making in new product development; Jan Jervis's and Jeffrey Brand's research on how Australian businesses are hiring designers; and Elaine Saunders's, Jessica Taft's and David Jenkinson's exciting case study on the design partnership between the hearing aid company BHS and the design studio Designworks that have revolutionised this healthcare sector."

Pre-1841 Censuses & Population Listings in the British Isles Feb 11 2022 "It has long been an article of faith that the census of 1841 was the first British census to list the names of individuals. In nearly 90 pages of text, accompanied by unique notes and references to original documents, Mr. Chapman explodes this myth by describing hundreds of pre-1841 name lists (censuses, poll lists, national surveys, tax lists, parish enumerations, etc.), explaining most of them, as far as possible, in their historical framework. As logic would dictate, the work follows a chronological pattern, and for this new fifth edition the author has appended, in Appendix I, a county-by-county breakdown of the various censuses containing individuals' names with the dates of those censuses; and for completeness, in Appendix II, he has added a list of decennial censuses containing names of individuals from 1801 to 1831. This new fifth edition, completely rewritten, incorporates over 200 additional listings for Ireland, making it a unique chronological account of censuses and enumerations in the British Isles from 1086 to 1841"--Publisher's description.

Content Design Jun 03 2021

Design of Machine Elements: Volume II Aug 05 2021 The book covers fundamental concepts, description, terminology, force analysis and methods of analysis and design of various machine elements like Curved Beams, Springs, Spur, Helical, Bevel and Worm Gears, Clutches, Brakes, Belts, Ropes, Chains, Ball Bearings and Journal Bearings. The emphasis in treating the machine elements is on the methods and procedures that give the student enough competence in applying these methods and procedures to mechanical components in general. This book offers the students to learn to use the best available design knowledge together with empirical information, logical judgment, and often a degree of ingenuity in mechanical engineering design. Following are the salient features of the book: " Compatible with the Machine Design Data Books (of same publisher and other famous books) " Step by step procedure for design of machine elements " Large and variety of problems solved " Thought provoking exercise problems " The example design problems and solution techniques are spelled out in detail " Thorough and in depth treatment of design of the requisite machine elements " Balance between analysis and design " Emphasis on the materials, properties and analysis of the machine elements " Selection of Material and factor of safety are given for each machine element " All the illustrations are done with the help of suitable diagrams " As per Indian Standards.

American Set Design 2 Apr 01 2021

Analog Circuit Design Volume 2 Mar 12 2022 Analog circuit and system design today is more essential than ever before. With the growth of digital systems, wireless communications, complex industrial and automotive systems, designers are being challenged to develop sophisticated analog solutions. This comprehensive source book of circuit design solutions aids engineers with elegant and practical design techniques that focus on common analog challenges. The book's in-depth application examples provide insight into circuit design and application solutions that you can apply in today's demanding designs. This is the companion volume to the successful Analog Circuit Design: A Tutorial Guide to Applications and Solutions (October 2011), which has sold over 5000 copies in its the first 6 months of since publication. It extends the Linear Technology collection of application notes, which provides analog experts with a full collection of reference designs and problem solving insights to apply to their own engineering challenges Full support package including online resources (LTSpice) Contents include more application notes on power management, and data conversion and signal conditioning circuit solutions, plus an invaluable circuit collection of reference designs

Design Theory: Volume 2 Oct 07 2021 This is the second edition of the standard text on design theory. Exercises are included throughout, and the book concludes with an extensive and updated bibliography of well over 1800 items.

The History of Graphic Design, 1960-Today Dec 09 2021 In this second volume, Jens Müller rounds off the most comprehensive exploration of graphic design to date. With around 3,500 seminal pieces and 78 landmark projects, year-by-year spreads, and profiles of industry leaders, discover how graphic design shaped contemporary society from the 1960s until today, from the hippie movement to new forms...

The Book of Lines, a 21st Century View of the IChing the Chinese Book of Changes Mar 20 2020 An essential Human Design Companion Book and IChing Oracle. In 1967, the first I'Ching book, The Book of Changes, was published in English. The Book of Changes detailed the 64 hexagrams from the Chinese I'Ching in great detail, giving the Western world powerful insights into the archetype of humanity In 1987, a new science of personal discovery, Human Design, was conceived: Human Design. Human Design is a synthesis ancient wisdom traditions including Eastern and Western astrology, the Chinese I'Ching, the Hindu Chakra system and the Judaic Kaballah, and two modern sciences: neutrino physics and an understanding of the human genetic code. Human Design gives us an extraordinary in-depth understanding of the possibilities for mankind, particularly in these changing times. In his new book, The Book of Lines, Chetan Parkyn, a Human Design teacher and practitioner for over 22 years, shares a modern day explanation of the Chinese I'Ching as it relates to Human Design, and also as a standalone version of the IChing...in clear, straightforward language. The Book of Lines is a 21st century view of the I'Ching and gives the reader a deep and practical way to understand who they are, how they are energetically configured, and the power they naturally carry and share with the world. This modern-day, easy-to-understand manual is an important companion guide for anyone who uses the Chinese I'Ching and Human Design.

Mars Orbiter Study. Volume 2: Mission Design, Science Instrument Accommodation, Spacecraft Design Oct 27 2020

Graphic Design Play Book Dec 17 2019 'Truly something that's just a beautiful, slick, and very enjoyable little publication' – CreativeBoom "Graphic Design Play Book features a variety of puzzles and challenges, providing a fun and interactive way for young visual thinkers to engage with the world of graphic design" – Eye Understand how graphic design works and develop your visual sensibility through puzzles and activities! An entertaining and highly original introduction to graphic design, the Graphic Design Play Book uses puzzles and visual challenges to demonstrate how typography, signage, logo design, posters and branding work. Through a series of games and activities, including spot the difference, matching games, drawing and dot-to-dot, readers are introduced to graphic art concepts and techniques in an engaging and interactive way. Further explanation and information is provided by solution pages and a glossary, and a loose-leaf section contains stickers, die-cut templates, and coloured paper to help readers complete the activities. Illustrated with typefaces, poster design and pictograms by distinguished designers including Otl Aicher, Pierre Di Sciullo, Otto Neurath and Gerd Arntz, the book will be enjoyed both by graphic designers, and anyone interested in finding out more about visual communication. An excerpt from the book: How many ways are there of saying 'hello'? Probably a zillion. And there are surely just as many ways of writing it. In CAPITALS, and with an exclamation mark ! Or with a question mark ? Or maybe both ?! As a tiny black word in the middle of a white page; or with large, multi-coloured, dancing letters ; maybe with a simple shape or an image. Being interested in graphic design means looking at and understanding the world around us. And being aware of the multitude of signs that shape our daily life day after day and freight it with meaning – whether it's a stop sign, a cornflakes packet, a psychedelic album cover, a seductive headline on the cover of a magazine, the more subtle typography of a page in a novel, a flashing pharmacy sign or the credits of a sci-fi film. Thinking about this plethora of signs was what led us to conceive this introduction to graphic design as a collection of beacons and benchmarks – as a toolbox for exploring and learning in a simple and intuitive way through play, alone or with others, whether you're a child or an adult. These are experiments, a series of suggestions, with no right or wrong answers. The four sections of this book – typography, posters, signs, identity – are all invitations to dive in, explore and let your eyes and your hands take you on a voyage of discovery! – Sophie Cure and Aurélien Farina

Design for Tomorrow—Volume 2 Sep 18 2022 This book showcases cutting-edge research papers from the 8th International Conference on Research into Design (ICoRD 2021) written by eminent researchers from across the world on design processes, technologies, methods and tools, and their impact on innovation, for supporting design for a connected world. The theme of ICoRD'21 has been "Design for Tomorrow". The world as we know it in our times is increasingly becoming connected. In this interconnected world, design has to address new challenges of merging the cyber and the physical, the smart and the mundane, the technology and the human. As a result, there is an increasing need for strategizing and thinking about design for a better tomorrow. The theme for ICoRD'21 serves as a provocation for the design community to think about rapid changes in the near future to usher in a better tomorrow. The papers in this book explore these themes, and their key focus is design for tomorrow: how are products and their development be addressed for the immediate pressing needs within a connected world? The book will be of interest to researchers, professionals and entrepreneurs working in the areas on industrial design, manufacturing, consumer goods, and industrial management who are interested in the new and emerging methods and tools for design of new products, systems and services.

Speed Read Car Design Nov 27 2020 See what really goes into every aspect of car design.

Titanic Feb 17 2020 The largest, most luxurious ship in the world, lost on her maiden voyage, the Titanic has become the stuff of legends. This volume covers the interior design and fitting out of the ship and presents detailed deck-by-deck information, from the palatial rooms of First Class to areas of the ship seen only by the crew.

The Dark Design Jun 22 2020 Genghis Khan, Alice, Sir Richard Burton, Mark Twain, Peter Frigate, and millions of others mysteriously resurrected on the planet Riverworld wander along the planet's twisting river in search of the master beings who brought them all back to life.

Book of Ideas Feb 23 2023

Microwave and RF Design, Volume 2 Sep 25 2020 Microwave and RF Design: Transmission Lines builds on the concepts of forward- and backward-traveling waves. Many examples are included of advanced techniques for analyzing and designing transmission line networks with microstrip lines primarily used in design examples. Coupled-lines are an important functional element in microwave circuits, and circuit equivalents of coupled lines are introduced as fundamental building blocks in design. The text and examples introduce the often hidden design requirements of mitigating parasitic effects and eliminating unwanted modes of operation. This book is suitable as both an undergraduate and graduate textbook, as well as a career-long reference book. Key Features * The second volume of a comprehensive series on microwave and RF design * Open access ebook editions are hosted by NC State University Libraries at <https://repository.lib.ncsu.edu/handle/1840.20/36776> * 56 worked examples * An average of 31 exercises per chapter * Answers to selected exercises * Focus on planar lines including microstrip * A companion book, Fundamentals of Microwave and RF Design, is suitable as a comprehensive undergraduate textbook on microwave engineering

The Fireplace Book Jul 24 2020 A sourcebook for both professional and amateur interior designers. At its heart is an illustrated section providing a chronological overview of different styles of fireplace and their key features. It also discusses practical queries, and the advantages and disadvantages of reproduction pieces.

Industrial Ventilation Design Guidebook Dec 29 2020 Industrial Ventilation Design Guidebook, Volume 2: Engineering Design and Applications brings together researchers, engineers (both design and plants), and scientists to develop a fundamental scientific understanding of ventilation to help engineers implement state-of-the-art ventilation and contaminant control technology. Now in two volumes, this reference contains extensive revisions and updates as well as a unique section on best practices for the following industrial sectors: Automotive; Cement; Biomass Gasifiers; Advanced Manufacturing; Industrial 4.0); Non-ferrous Smelters; Lime Kilns; Pulp and Paper; Semiconductor Industry; Steelmaking; Mining. Brings together global researchers and engineers to solve complex ventilation and contaminant control problems using state-of-the-art design equations Includes an expanded section on modeling and its practical applications based on recent advances in research Features a new chapter on best practices for specific industrial sectors

A Holistic Approach to Ship Design Jul 04 2021 This book introduces a holistic approach to ship design and its optimisation for life-cycle operation. It deals with the scientific background of the adopted approach and the associated synthesis model, which follows modern computer aided engineering (CAE) procedures. It integrates techno-economic databases, calculation and multi-objective optimisation modules and s/w tools with a well-established Computer-Aided Design (CAD) platform, along with a Virtual Vessel Framework (VVF), which will allow virtual testing before the building phase of a new vessel. The resulting graphic user interface (GUI) and information exchange systems enable the exploration of the huge design space to a much larger extent and in less time than is currently possible, thus

leading to new insights and promising new design alternatives. The book not only covers the various stages of the design of the main ship system, but also addresses relevant major onboard systems/components in terms of life-cycle performance to offer readers a better understanding of suitable outfitting details, which is a key aspect when it comes the outfitting-intensive products of international shipyards. The book disseminates results of the EU funded Horizon 2020 project HOLISHIP.

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