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Designing Solutions for Your Business Problems Design Solutions for nZEB Retrofit Buildings Game Theoretic Problems in Network Economics and Mechanism Design Solutions <u>European Plastics & Rubber Directory.</u> **Design Integrations** <u>Style and Creativity in Design</u> <u>Designing Zero Carbon Buildings Using Dynamic Simulation Methods</u> <u>Integrated Sustainable Design of Buildings</u> *BIM in Small-Scale Sustainable Design* **Exploring Materials** *Playful Learning Designing High-Density Cities* **Crossing Design Boundaries Designing Sustainable Urban Futures : Concepts and Practices from Different Countries** *Universal Design 2014: Three Days of Creativity and Diversity* **Architecture & Sustainable Development (vol.2)** *Advances in Information and Communication* **Oracle Data Warehousing and Business Intelligence Solutions** *Simply Green Relationship between U-Values, Energy Demand and Life Cycle Costs in Office Buildings Air Force Engineering & Services Quarterly* **Data Warehouse Design Solutions Energy Performance of Buildings 2008: Special Report Applications of Cuckoo Search Algorithm and its Variants Sustainable Retrofitting of Commercial Buildings Digital Transformation of Enterprise Architecture** <u>Sustainability in Energy and Buildings</u> **Guidelines for Design Solutions for Process Equipment Failures** *Low Energy Architecture and Low Carbon Cities Lessons from Vernacular Architecture* **Handbook of Research on Educational Communications and Technology** *The Road to Good Nutrition .NET Domain-Driven Design with C#* **Spatial Design Education K-12 Landscape Architecture Education** <u>Advances in Practical Applications of Cyber-Physical Multi-Agent Systems: The PAAMS Collection</u> **Java for Artists India Design Year Book Experiencing Food, Designing Dialogues** *Introduction to Aerospace Engineering with a Flight Test Perspective*

Playful Learning Dec 19 2021 Offering an innovative and dynamic approach to adult learning, Playful Learning explores the potential of play in adulthood with the goal of helping educators, corporate trainers and event designers incorporate play-based activities for adults into both educational and work settings. Through a comprehensive overview of the value of play in adulthood, this book responds to the growing popularity of playful events for adults in academic and business settings designed to promote higher levels of engagement. Drawing on the authors' own decades of experience at the forefront of the field, this helpful reference incorporates strategies and techniques for bringing play into any learning design. Examples and case studies of successful playful design at conferences, training events, and in higher education illustrate what effective playful event design looks like in practice. With a multi-sector appeal that spans business, education and entertainment while bringing together practice and theory in an accessible manner, Playful Learning is a must-have resource for researchers, practitioners, managers and administrators alike.

Oracle Data Warehousing and Business Intelligence Solutions May 12 2021 Up-to-date, comprehensive coverage of the Oracle database and business intelligence tools Written by a team of Oracle insiders, this authoritative book provides you with the most current coverage of the Oracle data warehousing platform as well as the full suite of business intelligence tools. You'll learn how to leverage Oracle features and how those features can be used to provide solutions to a variety of needs and demands. Plus, you'll get valuable tips and insight based on the authors' real-world experiences and their own implementations. Avoid many common pitfalls while learning best practices for: Leveraging Oracle technologies to design, build, and manage data warehouses Integrating specific database and business intelligence solutions from other vendors Using the new suite of Oracle business intelligence tools to analyze data for marketing, sales, and more Handling typical data warehouse performance challenges Uncovering initiatives by your business community, security business sponsorship, project staffing, and managing risk

Design Solutions for nZEB Retrofit Buildings Sep 28 2022 Construction projects, once they are completed, are intended to exist in the skylines of cities and towns for decades. Sustainable technologies seek to take these existing structures and make them environmentally friendly and energy efficient. Design Solutions for nZEB Retrofit Buildings is a critical scholarly resource that examines the importance of creating architecture that not only promotes the daily function of these buildings but is also environmentally sustainable. Featuring a broad range of topics including renewable energy sources, solar energy, and energy performance, this book is geared toward professionals, students, and researchers seeking current research on sustainable options for upgrading existing edifices to become more environmentally friendly.

K-12 Landscape Architecture Education Nov 25 2019 This curriculum guide is designed to help learners develop critical thinking skills from engaging in interdisciplinary activities while in the natural environment. The lessons are divided by grade level. You will find lessons for students to develop skills in Science, Technology, Engineering and Math (STEM) as well as in Social Studies, Language Arts, Writing and Art. These learning experiences will help students gain awareness of their environment, enabling them to see the world in a more holistic way.

Relationship between U-Values, Energy Demand and Life Cycle Costs in Office Buildings Mar 10 2021 This volume of the Young Cities Research Briefs presents the New Generation Office Building, as one of the pilot projects of the Young Cities Research Project, and describes the energy and cost matters using different thermal resistances of the building envelope. It includes two chapters: the first with an alternative design of the New Generation Office Building as a very low energy office building. The chapter includes the main objectives of the pilot project, some of the concepts applied as well as the architectural plans. The second chapter studies the behavior of the energy demand and the life cycle costs of the office building with different U-values. The aim here was to determine the optimum U-value for the building in the warm and dry climate of Hashtgerd New Town, Iran. Dynamic energy simulation is used to calculate the heating and cooling energy demands of the New Generation Office Building with nine different building envelopes. The results show the positive effects of thermal insulation in winter, but also the negative impacts in summer, which calls for special provisions to the building design for these months. Concerning the cost analysis, the costs associated with the nine case studies – including the initial, maintenance, energy and life cycle costs - are calculated for a 15-year period and compared. The only monetary savings that can be achieved are through a reduction of the energy costs in some of the cases with insulation, whereas all other costs are higher as a result of more insulating material used in the construction. Since the energy costs of the New Generation Office Building are only 5% of the total life cycle cost, the savings do not reduce the life cycle costs significantly.

Lessons from Vernacular Architecture Apr 30 2020 The architectural community has had a strong and continuing interest in traditional and vernacular architecture. Lessons from Vernacular Architecture takes lessons directly from traditional and vernacular architecture and offers them to the reader as guidance and inspiration for new buildings. The appropriate technical and social solutions provided by vernacular and traditional architecture are analysed in detail. International case studies focus on environmental design aspects of traditional architecture in a broad range of climatic conditions and building types.

Simply Green Apr 11 2021 As the world becomes ever more crowded and the earth's resources shrink, conscientious consumers worry more and more about how to live gently and responsibly without sacrificing aesthetic beauty of materials and design in their living spaces.Simply Green offers myriad solutions for every part of the house. Chapters on Eating, Living, Working, Bathing, Sleeping & Dressing, and Outdoors provide easy and exciting ways to live in and take care of the house that make conscientious consuming an irresistible option.

Low Energy Architecture and Low Carbon Cities Jun 01 2020 The built environment is at a turning point. With projected trends in population growth and urbanization, global demand for new floor area is expected to rise sharply. This will put unprecedented pressure on the availability of natural resources and incur greenhouse gas emissions and energy demand. Such environmental stressors risk driving the world away from the UN

Sustainable Development Goals, but equally represent an opportunity for just sustainability transitions. The contents of this book aim to address some of these grand challenges from a multi-disciplinary perspective. Low-energy architecture, low-carbon cities and the often-forgotten sustainability of refugee settlements are some of the themes dealt with by the authors.

India Design Year Book Aug 23 2019 The CII India Design Yearbook 2014 is a medium to communicate the best of design emanating from India in diverse design disciplines. These yearbooks become an international reference for excellent design. Companies, journalists, architects, planners, designers and people all over the world who are interested in design use the yearbooks for their day-to-day work and keep them over the years as collectors' items and an archive of excellent design. This is the second instalment of the yearbook, which aims to capture over 200 recent projects in which the companies / design firms have employed agile design thinking, methodology and processes to achieve success for clients, partners and end users.

European Plastics & Rubber Directory. Jul 26 2022

Data Warehouse Design Solutions Jan 08 2021 "Each chapter is... a practice run for the way we all ought to design our data marts and hence our data warehouses."-Ralph Kimball, from the Foreword. Let the experts show you how to customize data warehouse designs for real business needs in Data Warehouse Design Solutions. To effectively design a data warehouse, you have to understand its many business uses. This guidebook shows you how business managers in different corporate functions actually use data warehouses to make decisions. You'll get a rich set of data warehouse designs that flow from realistic business cases. Two top experts show you how to customize your data warehouse designs for real-life business needs including: * Sales and marketing * Production and inventory management * Budgeting and financial reporting * Quality control * Product delivery and fulfillment * Strategic business analysis such as determining market share, rates of return on investment, and other key analytic ratios. CD-ROM includes All sample data warehouse designs with accompanying preformatted reports in HTML for specific business uses such as marketing, sales, and financial analysis.

The Road to Good Nutrition Feb 27 2020 This is a work of advocacy, whose prime objective is to inform people about the relationship between nutrition security and public health. It draws on the thinking and experience of a selected number of experts in the field of nutrition and public health. Collating up-to-the-minute information in a clear and accessible way, the book forms a 'one-stop information source', and paves the way for further, science-led publications in this field. 'The Road to Good Nutrition' puts the topic of nutrition security on the agenda of policy-makers, academics, private sector organizations and civil society, as well as of organizations dedicated to the nutrition space. It is also of interest to the educated lay reader who is generally well informed in matters of health, nutrition and sustainability.

Architecture & Sustainable Development (vol.2) Jul 14 2021 This book of Proceedings presents the latest thinking and research in the rapidly evolving world of architecture and sustainable development through 255 selected papers by authors coming from over 60 countries.

Exploring Materials Jan 20 2022 This book is an action-oriented, accessible guide to design thinking that addresses both the how and why of product design. It encourages designers to look beyond the abstraction of pure forms or the whimsy of virtual objects, and instead to make and test real objects in a studio environment.--[book cover]

Style and Creativity in Design May 24 2022 This book looks at causative reasons behind creative acts and stylistic expressions. It explores how creativity is initiated by design cognition and explains relationships between style and creativity. The book establishes a new cognitive theory of style and creativity in design and provides designers with insights into their own cognitive processes and styles of thinking, supporting a better understanding of the qualities present in their own design. An explanation of the nature of design cognition begins this work, with a look at how design knowledge is formulated, developed, structured and utilized, and how this utilization triggers style and creativity. The author goes on to review historical studies of style, considering a series of psychological experiments relating to the operational definition, degree, measurement, and creation of style. The work conceptually summarizes the recognition of individual style in products, as well as the creation of such styles as a process before reviewing studies on creativity from various disciplines, presenting case studies and reviewing works by master architects. Readers will discover how creativity is initiated by design cognition. A summary of the correlations between creativity and style, expressed as a conceptual formula describing the cognitive phenomenon of style and creativity concludes the work. The ideas presented here are applicable to all design fields, allowing designers to comprehend and improve their design processes to produce creative, stylistically unique products.

Sustainable Retrofitting of Commercial Buildings Oct 05 2020 Whilst sustainability is already an important driver in the new building sector, this book explores how those involved in refurbishment of commercial building are moving this agenda forward. It includes chapters by developers, surveyors, cost consultants, architects, building physicists and other players, on the role they each can play in enabling refurbishment to be commercially, environmentally and socially sustainable. Case studies from northern climates show real examples of different building types, ages and uses and will demonstrate what action has been taken to create more sustainable buildings. The chapters raise and discuss all the relevant issues that need to be considered in retrofitting decision making. Changing standards, planning, process management, financing, technical issues, site organisation, commissioning and subsequent building management are all considered. The book demonstrates that buildings can be made comfortable to occupy, easy to manage and low in energy demand and environmental impact.

Universal Design 2014: Three Days of Creativity and Diversity Aug 15 2021 Universal Design, Design for All and Inclusive Design are all aimed at dismantling physical and social barriers to inclusion in all areas of life. Engagement in universal design is on the increase worldwide as practitioners and researchers explore creative and desirable solutions to shape the future of universal design products and practices. This book is a collection of the papers presented at UD2014, the International Conference on Universal Design, held in Lund, Sweden, in June 2014. The conference offered a creative and diverse meeting place for all participants to exchange knowledge, experiences and ideas, and to build global connections and creative networks for future work on universal design. The themes of UD2014 span many aspects of societal life, and the papers included here cover areas as diverse as architecture, public transport, educational and play environments, housing, universal workspaces, and the Internet of things, as well as designs and adaptations for assistive technology. The book clearly demonstrates the breadth of universal design and its ongoing adoption in societies all over the world, and will be of interest to anyone whose work involves building a more inclusive environment for all.

Java for Artists Sep 23 2019 Java For Artists: The Art, Philosophy, and Science of Object-Oriented Programming is a Java programming language text/tradebook that targets beginner and intermediate Java programmers.

Guidelines for Design Solutions for Process Equipment Failures Jul 02 2020 Disk contains: Failure scenario tables.

Designing Solutions for Your Business Problems Oct 29 2022 Designing Solutions for Your Business Problems is an essential resource for managers and consultants who help organizations resolve ambiguous problems and develop new opportunities. Taking a hands-on, practical approach, Betty Vandenbosch—a leading management consultant and educator—outlines the details on how to conduct a proven process for designing solutions. Designing Solutions for Your Business Problems will teach you how to curtail investigation and generate and justify ideas without sacrificing thoroughness, creativity, persuasiveness, and fit. You will be able to capitalize on more opportunities, and your problem-solving skills will become more efficient and your solutions more compelling. This book will help you design better solutions and design them faster. Betty Vandenbosch offers a variety of useful techniques such as the "scooping diagram," which provides a framework for action, and the "logic diagram," which tests the validity of a potential solution. In addition, the book contains illustrative real-life examples of the Designing Solutions approach from a variety of organizations.

Design Integrations Jun 25 2022 Design is changing, and to educate the next generation of designers, these changes need to be addressed. In light of the growing role research and interdisciplinary collaboration play

in contemporary design performance, Design Integrations calls for an innovative shake up in design education. Poggenpohl asserts that design research is developed through a typology within academic and business contexts, and follows different research theories and strategies. Such issues in design collaboration are explored in-depth, with essays on an inter-institutional academic project, cross-cultural learning.

Designing High-Density Cities Nov 18 2021 Compact living is sustainable living. High-density cities can support closer amenities, encourage reduced trip lengths and the use of public transport and therefore reduce transport energy costs and carbon emissions. High-density planning also helps to control the spread of urban suburbs into open lands, improves efficiency in urban infrastructure and services, and results in environmental improvements that support higher quality of life in cities. Encouraging, even requiring, higher density urban development is a major policy and a central principle of growth management programmes used by planners around the world. However, such density creates design challenges and problems. A collection of experts in each of the related architectural and planning areas examines these environmental and social issues, and argues that high-density cities are a sustainable solution. It will be essential reading for anyone with an interest in sustainable urban development.

Game Theoretic Problems in Network Economics and Mechanism Design Solutions Aug 27 2022 This monograph focuses on exploring game theoretic modeling and mechanism design for problem solving in Internet and network economics. For the first time, the main theoretical issues and applications of mechanism design are bound together in a single text.

Advances in Practical Applications of Cyber-Physical Multi-Agent Systems: The PAAMS Collection Oct 25 2019 This book constitutes the refereed proceedings of the 15th International Conference on Practical Applications of Scalable Multi-Agent Systems, PAAMS 2017, held in Porto, Portugal, in June 2017. The 11 revised full papers, 11 short papers, and 17 Demo papers were carefully reviewed and selected from 63 submissions. The papers report on the application and validation of agent-based models, methods, and technologies in a number of key application areas, including day life and real world, energy and networks, human and trust, markets and bids, models and tools, negotiation and conversation, scalability and resources.

.NET Domain-Driven Design with C# Jan 28 2020 As the first technical book of its kind, this unique resource walks you through the process of building a real-world application using Domain-Driven Design implemented in C#. Based on a real application for an existing company, each chapter is broken down into specific modules so that you can identify the problem, decide what solution will provide the best results, and then execute that design to solve the problem. With each chapter, you'll build a complete project from beginning to end.

Crossing Design Boundaries Oct 17 2021 This book presents over 100 papers from the 3rd Engineering & Product Design Education International Conference dedicated to the subject of exploring novel approaches in product design education. The theme of the book is "Crossing Design Boundaries" which reflects the editors' wish to incorporate many of the disciplines associated with, and integral to, modern product design and development pursuits. Crossing Design Boundaries covers, for example, the conjunction of anthropology and design, the psychology of design products, the application of soft computing in wearable products, and the utilisation of new media and design and how these can be best exploited within the current product design arena. The book includes discussions concerning product design education and the cross-over into other well established design disciplines such as interaction design, jewellery design, furniture design, and exhibition design which have been somewhat under represented in recent years. The book comprises a number of sections containing papers which cover highly topical and relevant issues including Design Curriculum Development, Interdisciplinarity, Design Collaboration and Team Working, Philosophies of Design Education, Design Knowledge, New Materials and New Technologies in Design, Design Communication, Industrial Collaborations and Working with Industry, Teaching and Learning Tools, and Design Theory.

Sustainability in Energy and Buildings Aug 03 2020 This volume contains the proceedings of the Fourth International Conference on Sustainability in Energy and Buildings, SEB12, held in Stockholm, Sweden, and is organized by KTH Royal Institute of Technology, Stockholm, Sweden in partnership with KES International. The International Conference on Sustainability in Energy and Buildings focuses on a broad range of topics relating to sustainability in buildings but also encompassing energy sustainability more widely. Following the success of earlier events in the series, the 2012 conference includes the themes Sustainability, Energy, and Buildings and Information and Communication Technology, ICT. The SEB'12 proceedings include invited participation and paper submissions across a broad range of renewable energy and sustainability-related topics relevant to the main theme of Sustainability in Energy and Buildings. Applicable areas include technology for renewable energy and sustainability in the built environment, optimization and modeling techniques, information and communication technology usage, behavior and practice, including applications.

Designing Sustainable Urban Futures : Concepts and Practices from Different Countries Sep 16 2021

Designing Zero Carbon Buildings Using Dynamic Simulation Methods Apr 23 2022 In addition to the application of fundamental principles that lead to a structured method for zero carbon design of buildings, this considerably expanded second edition includes new advanced topics on multi-objective optimisation; reverse modelling; reduction of the simulation performance gap; predictive control; nature-inspired emergent simulation leading to sketches that become 'alive'; and an alternative economics for achieving the sustainability paradigm. The book features student design work from a Master's programme run by the author, and their design speculation for a human settlement on Mars. Tasks for simple simulation experiments are available for the majority of topics, providing the material for classroom exercise and giving the reader an easy introduction into the field. Extended new case studies of zero carbon buildings are featured in the book, including schemes from Japan, China, Germany, Denmark and the UK, and provide the reader with an enhanced design toolbox to stimulate their own design thinking.

Spatial Design Education Dec 27 2019 Design education in architecture and allied disciplines is the cornerstone of design professions that contribute to shaping the built environment of the future. In this book, design education is dealt with as a paradigm whose evolutionary processes, underpinning theories, contents, methods, tools, are questioned and critically examined. It features a comprehensive discussion on design education with a focus on the design studio as the backbone of that education and the main forum for creative exploration and interaction, and for knowledge acquisition, assimilation, and reproduction. Through international and regional surveys, the striking qualities of design pedagogy, contemporary professional challenges and the associated sociocultural and environmental needs are identified. Building on twenty-five years of research and explorations into design pedagogy in architecture and urban design, this book authoritatively offers a critical analysis of a continuously evolving profession, its associated societal processes and the way in which design education reacts to their demands. Matters that pertain to traditional pedagogy, its characteristics and the reactions developed against it in the form of pioneering alternative studio teaching practices. Advances in design approaches and methods are debated including critical inquiry, empirical making, process-based learning, and Community Design, Design-Build, and Live Project Studios. Innovative teaching practices in lecture-based and introductory design courses are identified and characterized including inquiry-based, active and experiential learning. These investigations are all interwoven to elucidate a comprehensive understanding of contemporary design education in architecture and allied disciplines. A wide spectrum of teaching approaches and methods is utilized to reveal a theory of a 'trans-critical' pedagogy that is conceptualized to shape a futuristic thinking about design teaching. Lessons learned from techniques and mechanisms for accommodation, adaptation, and implementation of a 'trans-critical' pedagogy in education are conceived to invigorate a new student-centered, evidence-based design culture sheltered in a wide variety of learning settings in architecture and beyond.

Energy Performance of Buildings 2008: Special Report Dec 07 2020

Applications of Cuckoo Search Algorithm and its Variants Nov 06 2020 This book highlights the basic concepts of the CS algorithm and its variants, and their use in solving diverse optimization problems in medical and engineering applications. Evolutionary-based meta-heuristic approaches are increasingly being applied to solve complicated optimization problems in several real-world applications. One of the most successful optimization algorithms is the Cuckoo search (CS), which has become an active research area to solve N-dimensional and linear/nonlinear optimization problems using simple mathematical processes. CS has

attracted the attention of various researchers, resulting in the emergence of numerous variants of the basic CS with enhanced performance since 2019.

BIM in Small-Scale Sustainable Design Feb 21 2022 "Any architect doing small or medium scaled projects who is alsovested in sustainable design but is not yet doing BIM will enjoythis book's overall focus."- Architosh.com This work is the leading guide to architectural design within abuilding information modeling (BIM) workflow, giving thepractitioner a clear procedure when designing climate-loaddominated buildings. The book incorporates new information relatedto BIM, integrated practice, and sustainable design, as wellinformation on how designers can incorporate the latesttechnological tools. Each chapter addresses specific topics, suchas natural ventilation for cooling, passive solar heating,rainwater harvesting and building hydrology, optimizing materialuse and reducing construction waste, and collaborating withconsultants or other building professionals such as engineers andenergy modelers.

Integrated Sustainable Design of Buildings Mar 22 2022 This book aims to provide a guide to members of design and masterplannng teams on how to deliver sustainable development and buildings cost-effectively, meeting current and emerging UK and international statutory and planning requirements. The book sets our a clear and understandable strategy that deals with all aspects of sustainable design and construction, and the implications for delivery, costs, saleability and long-term operation. The extensive scope includes all aspects of environmental, social and economic sustainability, including strategies to reduce carbon emissions and the impact of climate change.

Experiencing Food, Designing Dialogues Jul 22 2019 FOOD and interdisciplinary research are the central focus of the 1st International Conference on Food Design and Food Studies: Experiencing Food, Designing Dialogues, reflecting upon approaches evidencing how interdisciplinarity is not limited to the design of objects or services, but seeks awareness towards new lifestyles and innovative ways of dealing with food. This book encompasses a wide range of perspectives on the state of the art and research in the fields of Food and Design, making a significant contribution to further development of these fields. Accordingly, it covers a broad variety of topics from Designing for/with Food, Educating People on Food, Experiencing Food and other Food for Thought.

Advances in Information and Communication Jun 13 2021 This book presents high-quality research on the concepts and developments in the field of information and communication technologies, and their applications. It features 134 rigorously selected papers (including 10 poster papers) from the Future of Information and Communication Conference 2020 (FICC 2020), held in San Francisco, USA, from March 5 to 6, 2020, addressing state-of-the-art intelligent methods and techniques for solving real-world problems along with a vision of future research Discussing various aspects of communication, data science, ambient intelligence, networking, computing, security and Internet of Things, the book offers researchers, scientists, industrial engineers and students valuable insights into the current research and next generation information science and communication technologies.

Air Force Engineering & Services Quarterly Feb 09 2021

Digital Transformation of Enterprise Architecture Sep 04 2020 "In this book, Vivek Kale makes an important contribution to the theory and practice of enterprise architecture ... this book captures the breadth and depth of information that a modern enterprise architecture must address to effectively support an agile enterprise. This book should have a place in every practicing architect's library." —John D. McDowall, Author of Complex Enterprise Architecture Digital Transformation of Enterprise Architecture is the first book to propose Enterprise Architecture (EA) as the most important element (after Business Models) for digital transformation of enterprises. This book makes digital transformation more tangible by showing the rationale and typical technologies associated with it, and these technologies in turn reveal the essence of digital transformation. This book would be useful for analysts, designers and developers of future-ready agile application systems. This book proposes that it is the perennial quest for interoperability & portability, scalability, availability, etc., that has directed and driven the evolution of the IT/IS industry in the past 50 years. It is this very quest that has led to the emergence of technologies like service-oriented, cloud, and big data computing. In addition to the conventional attributes of EA like interoperability, scalability and availability, this book identifies additional attributes of mobility, ubiquity, security, analyticity, and usability. This pragmatic book: Identifies three parts effort for any digital transformation: Business Models, Enterprise Architectures and Enterprise Processes. Describes eight attributes of EA: interoperability, scalability, availability, mobility, ubiquity, security, analyticity, and usability. Explains the corresponding technologies of service-oriented, cloud, big data, context-aware, Internet of Things (IoT), blockchain, soft, and interactive computing. Briefs on auxiliary technologies like integration, virtualization, replication, spatio-temporal databases, embedded systems, cryptography, data mining, and interactive interfaces that are essential for digital transformation of enterprise architecture. Introduces interactive interfaces like voice, gaze, gesture and 3D interfaces. Provides an overview of blockchain computing, soft computing, and customer interaction systems. Digital Transformation of Enterprise Architecture proposes that to withstand the disruptive digital storms of the future, enterprises must bring about digital transformation, i.e. a transformation that affects an exponential change (amplification or attenuation) in any aspect of the constituent attributes of EA. It proposes that each of these technologies (service-oriented, cloud, big data, context-aware, IoT, blockchain, soft, and interactive computing) bring about digital transformation of the corresponding EA attribute viz. interoperability, scalability, availability, mobility, ubiquity, security, analyticity, and usability.

Handbook of Research on Educational Communications and Technology Mar 30 2020 This edition of this handbook updates and expands its review of the research, theory, issues and methodology that constitute the field of educational communications and technology. Organized into seven sectors, it profiles and integrates the following elements of this rapidly changing field.

Introduction to Aerospace Engineering with a Flight Test Perspective Jun 20 2019 Comprehensive textbook which introduces the fundamentals of aerospace engineering with a flight test perspective Introduction to Aerospace Engineering with a Flight Test Perspective is an introductory level text in aerospace engineering with a unique flight test perspective. Flight test, where dreams of aircraft and space vehicles actually take to the sky, is the bottom line in the application of aerospace engineering theories and principles. Designing and flying the real machines are often the reasons that these theories and principles were developed. This book provides a solid foundation in many of the fundamentals of aerospace engineering, while illuminating many aspects of real-world flight. Fundamental aerospace engineering subjects that are covered include aerodynamics, propulsion, performance, and stability and control. Key features: Covers aerodynamics, propulsion, performance, and stability and control. Includes self-contained sections on ground and flight test techniques. Includes worked example problems and homework problems. Suitable for introductory courses on Aerospace Engineering. Excellent resource for courses on flight testing. Introduction to Aerospace Engineering with a Flight Test Perspective is essential reading for undergraduate and graduate students in aerospace engineering, as well as practitioners in industry. It is an exciting and illuminating read for the aviation enthusiast seeking deeper understanding of flying machines and flight test.