

## Matematik B Eksamenssaet 2013

Diplomatic marriages between two members of different planets certainly aren't unheard of-but for Prince Mikos of Tygeria and Col. Ryan Donnelly of Earth, it might just be a fate worse than death. The union is meant to end a devastating war that has lasted for over a hundred and fifty years, but when the female bride intended for the fierce, sexy prince runs away, her handsome brother is substituted instead. Men are for mating as far as the Tygerian prince is concerned, but the colonel also happens to be Mikos's sworn enemy, not to mention being completely irritating. Ryan is horrified to learn that the Tygerians not only expect him to take the place of his sister, marry the Bloody Prince of Tygeria, and go to live with him on his mysterious planet, but they also expect him to undergo physical alteration to have the man's baby! And nobody is taking hell no for an answer. Ryan's being asked to turn his whole life upside down and the handsome Tygerian gets under his skin like nobody else. But with the fate of the universe at stake, how can he say no? Can the two enemies put aside their differences and focus on making love and not war-not to mention a baby? As a powerful love struggles to take root, can they learn to trust each other and stand together against the forces that are trying to tear them apart?

The 2013 edition of the bestselling vSphere book on the market Virtualization remains the hottest trend in the IT world, and VMware vSphere is the industry's most widely deployed virtualization solution. The demand for IT professionals skilled in virtualization and cloud-related technologies is great and expected to keep growing. This comprehensive Sybex guide covers all the features and capabilities of VMware vSphere, showing administrators step by step how to install, configure, operate, manage, and secure it. This perfect blend of hands-on instruction, conceptual explanation, and practical application is reinforced with real-world examples. Led by Scott Lowe and Nick Marshall, both VMware vExperts, the author team provides expertise that will prepare IT professionals to excel in using this virtualization technology. Virtualization is seen as a "best practice" for high availability and disaster recovery solutions, as well as for applications such as Exchange Server and SharePoint IDC estimates that there are as many as 7 million jobs available worldwide in virtualization and cloud technology Provides hands-on instruction in all the latest features and capabilities of VMware vSphere, with both conceptual explanations and practical applications Author team is lead by Scott Lowe and Nick Marshall, well-known VMware experts and popular bloggers Mastering VMware vSphere provides what every virtualization professional needs to know.

"Materials Science in Manufacturing focuses on materials science and materials processing primarily for engineering and technology students preparing for careers in manufacturing. The text also serves as a useful reference on materials science for the practitioner engaged in manufacturing as well as the beginning graduate student. Integrates theoretical understanding and current practices to provide a resource for students preparing for advanced study or career in industry. Also serves as a useful resource to the practitioner who works with diverse materials and processes, but is not a specialist in materials science. This book covers a wider range of materials and processes than is customary in the elementary materials science books. This book covers a wider

range of materials and processes than is customary in the elementary materials science books. \* Detailed explanations of theories, concepts, principles and practices of materials and processes of manufacturing through richly illustrated text \* Includes new topics such as nanomaterials and nanomanufacturing, not covered in most similar works \* Focuses on the interrelationship between Materials Science, Processing Science, and Manufacturing Technology

The second edition of this highly informative book retains much original material covering the principles of structural mechanics and the strength of materials, together with the underlying concepts requisite to the theory of structure and structural design. Some of the material involving lengthy hand-drawing or hand-calculation has been replaced with more up-to-date relevant material and frequent reference is made to computer-aided learning techniques.

Traditionally, research on the history of Asian religions has been marked by a bias for literary evidence, privileging canonical texts penned in 'classical' languages. Not only has a focus on literary evidence shaped the dominant narratives about the religious histories of Asia, in both scholarship and popular culture, but it has contributed to the tendency to study different religious traditions in relative isolation from one another. Today, moreover, historical work is often based on modern textual editions and, increasingly, on electronic databases. What may be lost, in the process, is the visceral sense of the text as artifact – as a material object that formed part of a broader material culture, in which the boundaries between religious traditions were sometimes more fluid than canonical literature might suggest. This volume brings together specialists in a variety of Asian cultures to discuss the methodological challenges involved in integrating material evidence for the reconstruction of the religious histories of South, Southeast, Central, and East Asia. By means of specific 'test cases,' the volume explores the importance of considering material and literary evidence in concert. What untold stories do these sources help us to recover? How might they push us to reevaluate historical narratives traditionally told from literary sources? By addressing these questions from the perspectives of different subfields and religious traditions, contributors map out the challenges involved in interpreting different types of data, assessing the problems of interpretation distinct to specific types of material evidence (e.g., coins, temple art, manuscripts, donative inscriptions) and considering the issues raised by the different patterns in the preservation of such evidence in different locales. Special attention is paid to newly-discovered and neglected sources; to our evidence for trade, migration, and inter-regional cultural exchange; and to geographical locales that served as "contact zones" connecting cultures. In addition, the chapters in this volume represent the rich range of religious traditions across Asia – including Hinduism, Buddhism, Taoism, Shinto, and Chinese religions, as well as Islam and eastern Christianities.

There are two motives for studying materials processing in centrifuges. First, such research improves our understanding of the influence of acceleration and convection on materials processing. Second, there are commercial opportunities for production of unique and improved materials that cannot be prepared under normal earth conditions or in space. Through a combination of experiments and theory, we are gaining an understanding of centrifugation on phenomena of importance to materials processing. We find that it is necessary to consider not only acceleration, but also the Coriolis effect and the variation of acceleration with

position. As one consequence, the vigor of buoyancy-driven convection is sometimes increased by centrifugation and sometimes decreased. Similarly, the tendency of the convection to become unstable or oscillatory may either be increased or decreased by centrifugation. On the other hand, the observed effects of centrifugation on product quality have largely gone unexplained. This volume constitutes the proceedings of The Second International Workshop on Materials Processing at High Gravity, hosted by Clarkson University in June of 1993. The concept for a workshop on materials processing in centrifuges was born at a series of informal meetings held in Paris in 1990. The First International Workshop on Materials Processing at High Gravity was held in May of 1991 in Dubna, USSR, on the banks of the Volga River. The proceedings of this workshop was published in 1992 as a special issue of the Journal of Crystal Growth.

This book, which is a result of a coordinated effort by 22 researchers from five different countries, addresses the methods of determining the local and global mechanical properties of a variety of materials: metals, plastics, rubber, and ceramics. The first chapter treats nanoindentation techniques comprehensively. Chapter 2 concerns polymer surface properties using nanoindentation techniques. Chapter 3 deals with the wear properties of dental composites. Chapter 4 compares the global and local properties of a lead-free solder. Chapter 5 discusses the methods of determining plastic zones at the crack tip. Fatigue resistance of a synthetic polymer under different loading conditions is dealt with in Chapter 6. Chapter 7 is a review of the methods used to measure fatigue crack growth resistance. Chapter 8 treats bulk and surface properties of coated materials, and the final chapter presents a method for determining elastic constants using a resonance technique. All in all, its depth of coverage makes it a must-have for research scholars, graduate students, and teachers.

Addresses the challenges of managing critically ill obstetric patients, with chapters authored by intensivists/anesthesiologists and obstetricians/maternal-fetal medicine specialists.

Together but unbound, they must learn what it means to love completely, in the latest novel from the New York Times bestselling author of Wild Wolf. To cement the leadership of his North Carolina Shifertown, Bowman O'Donnell agreed to a "mating of convenience." Two powerful wolf shifters, he and Kenzie keep the pack in order and are adored by all. Bowman would do anything to protect Kenzie, for in each other's arms they've found far more than friendship. But as strong as their attachment is, they still haven't formed the elusive mate bond—the almost magical joining of true mates. Now with a monster ravaging the countryside and threatening the Shifertown community, some in the pack fear that a pair without a true mate bond isn't strong enough to lead. Bowman and Kenzie will have to rely on their instinctive trust in one another to save their Shifters—and the ensuing battle will either destroy them or give them the chance to seize the love they've always craved. This book presents materials fundamentals of novel gate dielectrics that are being introduced into semiconductor manufacturing to ensure the continuous scaling of the CMOS devices. This is a very fast evolving field of research so we choose to focus on the basic understanding of the structure, thermodynamics, and electronic properties of these materials that determine their performance in device applications. Most of these materials are transition metal oxides. Ironically, the d-orbitals responsible for the high dielectric constant cause severe integration difficulties thus intrinsically limiting high-k dielectrics. Though new in the electronics industry many of these materials are well known in the field of ceramics, and we describe this unique connection. The complexity of the structure-property relations in TM oxides makes the use of

the state of the art first-principles calculations necessary. Several chapters give a detailed description of the modern theory of polarization, and heterojunction band discontinuity within the framework of the density functional theory. Experimental methods include oxide melt solution calorimetry and differential scanning calorimetry, Raman scattering and other optical characterization techniques, transmission electron microscopy, and x-ray photoelectron spectroscopy. Many of the problems encountered in the world of CMOS are also relevant for other semiconductors such as GaAs. A comprehensive review of recent developments in this field is thus also given. The book should be of interest to those actively engaged in the gate dielectric research, and to graduate students in Materials Science, Materials Physics, Materials Chemistry, and Electrical Engineering.

One distinct feature of human society since the dawn of civilization is the systematic use of inorganic building materials, such as natural stone, unburnt and burnt soil, adobe and brick, inorganic binders like lime and cement, and reinforced concrete. Our heritage has cultural, architectural and technological value and preserving such structures is a key issue today. Planners and conservation scientists need detailed site surveys and analyses to create a database that will serve to guide subsequent actions. One factor in this knowledge base is an understanding of how historic materials were prepared and the crucial properties that influence their long-term behaviour. Any assessment of the way such materials perform must crucially be based on an understanding of the methods used for their analysis. The editors here add to the knowledge base treating the materials used in historic structures, their properties, technology of use and conservation, and their performance in a changing environment. The book draws together 18 chapters dealing with the inorganic materials used in historic structures, such as adobe, brick, stone, mortars, concrete and plasters. The approach is complex, covering material characterisation as well as several case studies of historic structures from Europe, including Germany, Ireland, Italy, Poland, Portugal, Scotland, Slovenia and Spain, and the My Sôn Temples in Vietnam. An equally important component of the book covers the analysis of materials, together with a treatment of sustainable development, such as the protection of monuments from earthquakes and climate change. The authors are all leading international experts, drawn from a variety of backgrounds: architecture, civil engineering, conservation science, geology and material science, with close links to professional organisations such as ICOMOS or universities and research centres throughout Europe. Audience: This book will be of interest to geologists, engineers, restorers, consulting engineers, designers and other professionals dealing with cultural heritage and sustainable development. Also graduate students in applied geo-science (mineralogy, geochemistry, petrology), architecture and civil engineering will find interesting information in this book.

Osho is one of the best-known spiritual teachers of our time. The Sunday Times named him one of the '1,000 makers of the twentieth century'; the novelist Tom Robbins has called him 'the most dangerous man since Jesus Christ'. Nearly two decades after his death in 1990, the influence of his teachings continues to grow, reaching seekers around the world. This inspiring compendium of spiritual wisdom and insight offers a way for everyone to access the enlightening message of the Buddha as Osho offers his unique take on his teachings, with a wisdom and wit that make it a wonderful read. When you engage with Osho's writing, you feel as if he is speaking to you. His conversational style is fluid and engaging, and while his acute perception often comes as a delight and a surprise, his shrewd insights will stay with you always. Whether he is discussing a complex philosophy, or the teachings of a great mystic, Osho always approaches the subject with his own distinctively irreverent, thought-provoking and inspiring perspectives. Covering subjects including Belief, Responsibility, Relationships, Doing Good and the Power of Consciousness, this is a book that offers real insight into leading a more spiritual life now.

Accelerated design and development of new advanced materials with improved performance characteristics and their successful insertion in

engineering practice are largely hindered by the lack of a rigorous mathematical framework for the robust generation of microstructure informatics relevant to the specific application. In this chapter, we describe a set of novel data-driven, computationally efficient protocols that are capable of accelerating significantly the process of building the necessary microstructure informatics for a targeted application. Specific applications in establishing processing–structure–property linkages are discussed as representative examples of how data science can potentially transform the current practices in the materials design and development arena.

Top 10 SeoulDorling Kindersley Ltd

First published in 1951, Cherokee Cooklore introduces us to traditional Cherokee cooking. It starts with a photographic essay as Aggie Lossiah demonstrates how she makes bean bread. This is followed by recipes gathered from the North Carolina Cherokee community (including yellowjacket soup, blood pudding, hominy corn drink, baked squirrel, and hickory nut soup). A description of Cherokee food customs follows. This is a fascinating booklet that provides valuable food lore for the adventuresome gourmet or the student of Native American history.

Wildcat shifter Eric Warden, the leader of his pack, finds his protective side taking over when he meets Iona Duncan, a half-Shifter wildcat who hasn't acknowledged her true nature or mating hunger, which could kill her. Original.

Increase students' learning and retention with the expert teachings of this gifted educator. A useful resource for the beginning teacher or the experienced veteran, this classic has sold more than 100,000 copies and is still going strong.

Maternal-Neonatal Nursing Made Incredibly Easy! Second Edition offers everything nurses need to know for optimal maternal-neonatal nursing care. This thoroughly updated edition includes new information on bed rest, postpartum depression, alternative therapies, substance abuse, and complex psychosocial disorders, plus a new icon highlighting evidence-based practice. The book is written in the entertaining, award-winning Incredibly Easy! style, with numerous charts and illustrations, two four-page full-color inserts, humorous cartoons, icons emphasizing key information, memory joggers, and end-of-chapter quick quizzes. A bound-in CD-ROM contains more than 250 NCLEX®-style questions, as well as concept maps and lists of disorders with their associated nursing diagnoses.

A lavishly illustrated and beautifully designed book that celebrates the work of the great fashion illustrators from late-19th century to the present day. The book covers the work of fashion illustrators, such as Rene Gruau and Antonio Lopez, fine artists such as Boldini and Warhol, and graphic designers such as Tony Viramontes and Bob Peak.

This book contains a collection of contributions related to the design and control of material flow systems in manufacturing. Material flow systems in manufacturing covers a broad spectrum of topics directly affecting issues related to facilities design, material handling and production planning and control. In selecting the papers to include in this book, the scope was limited to the design and operational control aspects related to the physical movement of parts, tools, containers and material handling devices. Recent developments in this area naturally led to concentration on flow systems involving cellular manufacturing, and automated transport equipment such as automated guided vehicles.

However, the concepts discussed have general applicability to a wide range of manufacturing flow problems. The book is organized in five major sections: 1. design integration and justification; 2. cell design and material handling considerations; 3. alternative material flow paths; 4. operational control problems; and 5. tooling requirements and transport equipment.

If you are a Node.js developer who wants to take your Express skills to the next level and develop high performing, reliable web applications using best practices, this book is ideal for you. The only prerequisite is knowledge of Node.js. Written by three experienced XML developers, this "real world" guide teaches the nuts and bolts of XML programming through practical example. It's the first book to include specifics on developing for IE and Navigator, as well as definitive design and style information with coverage of design principles, CSS2, DTDs, XSL, and XML data schemas. The companion CD contains all code and pages presented in the book, along with third-party authoring tools and valuable utilities.

**The Only Windows XP Home Edition Resource You Need—Now Completely Updated** Here's the insider knowledge you need to maximize Microsoft's powerful home operating system, whether you're moving straight to XP or upgrading from Windows 98 or Me. This encyclopedic guide delivers full coverage of every topic from installation and multimedia, to security and networking. Beginners can start off by using Windows XP on a stand-alone computer and connecting to the Internet, while experienced users can quickly build and secure a home network, work with the Registry to change XP's behavior, and optimize and troubleshoot Windows XP. Coverage includes: Upgrading from Windows 98 or Me Taking full advantage of XP multi-user support Customizing Windows XP Installing, removing, and running programs Sharing files securely--or keeping them private Adding hardware and installing drivers Connecting your computer or network to the Internet Sending secure e-mail and minimizing spam Communicating via the latest versions of Windows Messenger Using Windows Firewall Getting and giving help via the Internet Enjoying audio, video, and DVDs with Windows Media Player 10 Burning audio and data CDs Building a secure home network Using Microsoft PowerToys Using VPNs and connecting to a company network Setting up wireless networks with Wi-Fi Protected Access (WPA)

Although materials play a critical role in electronic packaging, the vast majority of attention has been given to the systems aspect. *Materials for Electronic Packaging* targets materials engineers and scientists by focusing on the materials perspective. The last few decades have seen tremendous progress in semiconductor technology, creating a need for effective electronic packaging. *Materials for Electronic Packaging* examines the interconnections, encapsulations, substrates, heat sinks and other components involved in the packaging of integrated circuit chips. These packaging schemes are crucial to the overall reliability and performance of electronic systems. Consists of 16 self-contained

chapters, contributed by a variety of active researchers from industrial, academic and governmental sectors Addresses the need of materials scientists/engineers, electrical engineers, mechanical engineers, physicists and chemists to acquire a thorough knowledge of materials science Explains how the materials for electronic packaging determine the overall effectiveness of electronic systems

Your Guide to the 10 Best of Everything in Seoul Discover the best of everything South Korea's capital city has to offer with the essential DK Eyewitness Top 10 Travel Guide Seoul. Top 10 lists showcase the best places to visit in Seoul, from Dongdaemun market to the grand royal palace of Gyeongbokgung. Seven easy-to-follow itineraries explore the city's most interesting areas - from the arty district of Insadong to Bukhansan National Park - while reviews of the best hotels, shops and restaurants in Seoul will help you plan your perfect trip.

A poignant novel about a biracial girl living in the suburbs of Las Vegas examines the friendships that grow out of, and despite, her race.

This popular introduction to engineering materials features completely rewritten chapters on non-metallic materials that reflect the significant advances in the field of ceramics and composite materials since the last edition and the increased industrial use of polymers. The sections devoted to metals and alloys have also been comprehensively updated and the examination of materials and process selection has been expanded.

Materials and Technology for Sportswear and Performance Apparel takes a close look at the design and development of functional apparel designed for high-performance sportswear. Implementing materials, performance, technology, and design and marketing, the book examines this rapidly emerging textile market and outlines future directions and growing trends. The book begins by explaining how a comfort-driven focus has led the industry to embrace knitted fabric as a popular choice of constructional material. Using examples of leading brands, it outlines the basic terminology, structural details, and essential properties appropriate for performance apparel, especially for sportswear. This book describes the differences between woven and knitted structures, provides an understanding of fabric behavior and the characteristics of a functional garment, and outlines the importance of garment fit and consumer perception of garment comfort in its design and development. The authors present key research outcomes on the design and development of functional apparel designed for high-performance sportswear that explore smart materials, impact-resistant fabrics and pressure sensing. They consider the use of 3-D body scanning and its influence on pattern engineering for apparel product development; highlight the widely used fiber types for sportswear and the importance of fiber blends and their performance, and discuss the relevance of fabric structure and its interaction with the human body. The book also presents research on moisture management and temperature regulation and analyzes the performance and development

of smart sportswear intended for monitoring health and performance for a range of end uses. A definitive guide detailing the future of functional clothing and sportswear, this book: Describes how to design and develop functional clothing for sportswear Reflects current research outcomes and industry requirements Clarifies with visual illustration, practical examples, and case studies an understanding of techniques and concepts Explores specifics of garment design such as fit, shape, function, fashion and design Focuses on a commitment to designing ethical and sustainable products This book presents English translations of 10 folktales from Southern Tanzania, which the author recorded in the mid-1970's. Also, an essay on the folktale in general, and a commentary on each story.

The ONLY Windows 2000 Resource You Need--Now With a New Emphasis on Security! The #1 choice of Windows administrators, Mastering Windows 2000 Server gives you all the conceptual and practical information you need to get the most out of Microsoft's flagship network operating system. This is the premier resource for configuring, administering, and tuning Windows 2000 Server as part of a corporate enterprise network. You can depend on it for clear, authoritative instruction in hundreds of techniques that will make your work easier and your job more secure. Coverage Includes: \* Installing Windows 2000 \* Configuring IP, DHCP, WINS, and DNS to achieve the right foundation for your network \* Building and managing domains with Active Directory \* Controlling hundreds, even thousands, of workstations with group policies \* Prebuilding and delivering complete workstation images with Remote Installation Services \* Deploying applications throughout the enterprise with Microsoft Installer \* Understanding advanced DNS design and troubleshooting to keep your domains secure and running \* Improving network resource accessibility with Dfs, Web folders, shared printers, and Web printing \* Using Windows 2000 to share Internet Connections \* Tuning and monitoring your network \* Securing your network with new coverage of IPsec, certificates, security templates, simplified hotfix installations, auditing, and more \* Offering Web content with Internet Information Services 5 Real Solutions to Real Challenges If improving the real-world performance of your network is the bottom line, this book delivers the goods. It shows you how to design and manage a multiple-platform network, build a Windows-based intranet, find the right data backup strategy, prevent and recover from disasters, and much more. There's no end to what you'll accomplish with practical, step-by-step instruction from the expert who has actually done it all on live networks!

This book contains the contributions from the RILEM International Symposium on Materials and Joints in Timber Structures that was held in Stuttgart, Germany from October 8 to 10, 2013. It covers recent developments in the materials and the joints used in modern timber structures. Regarding basic wooden materials, the contributions highlight the widened spectrum of products comprising cross-laminated timber, glulam and LVL from hardwoods and block glued elements. Timber concrete compounds, cement bonded wood composites and innovative light-weight constructions



represent increasingly employed alternatives for floors, bridges and facades. With regard to jointing technologies, considerable advances in both mechanical connections and glued joints are presented. Self-tapping screws have created unprecedented options for reliable, strong as well as ductile joints and reinforcement technologies. Regarding adhesives, which constitute the basis of the jointing/laminating technology of modern timber products, extended options for tailor-made bonding solutions have to be stated. Apart from melamine-urea and phenolic-resorcinol adhesives, one-component-polyurethanes, emulsion isocyanate polymers and epoxies offer a wide range of possibilities. The contributions dealing with experimental and numerical investigations on static, cyclic and seismic behavior of structures clearly reveal the enhanced potential of modern timber construction for reliable and sustainable buildings and bridges of the new millennium. The book is structured in nine thematic areas, being I) Structures II) Mechanical Connections III) Glued Joints and Adhesives IV) Timber and Concrete/Cement/Polymer Composites V) Cyclic, Seismic Behavior VI) Hardwood, Modified Wood and Bamboo VII) Cross-Laminated Timber VIII) Properties and Testing of Wood IX) Glulam

Master the art of providing effective IT services to your customers by leveraging Zendesk About This Book Deep dive into the functionalities of Zendesk and improve your organization's customer services Learn how to expand the capabilities of Zendesk by integrating and extending it with third-party tools A master level guide that manages tickets, channels, and workflows along with advanced security features Who This Book Is For This book is for proficient Zendesk administrators who want to unlock the full potential of their Zendesk environment by gaining a deeper understanding of Zendesk's advanced customization options. What You Will Learn Customize ticket channels such as Email, Twitter, Facebook, and Web-Widget Add business rules to create a more effective and automated Zendesk environment Use Zendesk apps to add more functionality to the Zendesk setup Extend Zendesk with JIRA and Salesforce Create custom metrics within GoodData in order to set up customized and automated reports Learn how to secure and troubleshoot Zendesk In Detail Zendesk is a cloud-based customer service solution that is widely used because it is easy, efficient, flexible, and low cost. It is highly scalable and is great for organizations of all sizes. If you're a Zendesk administrator and are looking to explore advanced-level concepts, then this book is for you. It covers the core functionalities such as managing users, groups, and the organization, and creating and adding custom fields. You will learn how to add customized ticket channels to your account. Then, you will focus on customizing business rules and extending Zendesk with JIRA and Salesforce. Towards the end, the book emphasizes security and troubleshooting aspects as well as providing tips and tricks to create a more efficient support environment. By the end of this book, you will be able to turn a basic Zendesk setup into a highly customized working environment. Style and approach This advanced guide provides easy to understand examples to ensure you gain expertise with Zendesk.

This new addition to the acclaimed Mastery of Surgery series guides readers step by step through all vascular surgical procedures, both open and endovascular. In the tradition of the series, this text/atlas is written by the world's master surgeons and richly illustrated throughout with detailed drawings, photographs, and imaging scans. Coverage of each procedure begins with indications, contraindications, preoperative preparation, anatomy, and patient management, followed by step-by-step descriptions of operative technique and pitfalls. For diseases in which open and endovascular approaches are used for different indications, both approaches are presented with discussions of when and why each is preferable. Each chapter ends with an editor's comment.

Collection of selected, peer reviewed papers from the special topic volume with invited peer reviewed papers only. The 26 papers are grouped as follows: Section A – Biomaterials and Biomedical Technologies Section B – Materials and Technologies in Production of Solar Cell and Optoelectronics Section C – Multifunctional Materials for Infrastructure and in the Environmental Engineering

Author Christopher Beorkrem shows how material performance drives the digital fabrication process and determines technique. He has recreated and dissected thirty-six of the most progressive works of architecture of the last few years, with perspectives from the designers so that you can learn from the successes and failures of each project. Including step-by-step diagrams and using consistent language and the simplest construction techniques, he identifies the important characteristics of each material, including connection types, relative costs, deformation, color, texture, finish, dimensional properties, durability, and weathering and waterproofing to link the design outcomes to form. The book is divided into five parts by material – wood, metal, concrete, hybrids, and recycled – to help you reference construction techniques for the fabrication machines you have on-hand.

Collection of selected, peer reviewed papers from the 2013 2nd International Conference on Material Science and Engineering Technology (ICMSET 2013), November 16-17, 2013, London, United Kingdom. The 72 papers are grouped as follows: Chapter 1: Composite Materials; Chapter 2: Chemical Materials and Technologies; Chapter 3: Modelling and Analysis of Materials Properties and Technologies; Chapter 4: Nanomaterials and Nanotechnologies; Chapter 5: Advances in Energy Technology; Chapter 6: Applied Mechanics and Mechanical Engineering

Bringing together texts and work by theorists and practitioners who are making material central to their work, this book reflects the diverse areas of inquiry which are expanding current material discourse. Focusing on the cultural, political, economic, technological and intellectual forces which shape material practices in architecture, the contributors draw on disciplines ranging from philosophy, history and pedagogy to art practice and digital and low-tech fabrication. By paying critical attention to material, a wide range of issues emerge which are otherwise excluded from architectural discourse, issues that shape and determine the buildings we make, the processes we use and the ways we understand them. Beautifully illustrated and designed, this book is a unique collection which will be of great interest to architectural practitioners and theorists who want to consider the wider implications of material practice, and to students who are developing their own approach to making buildings.

