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The Professional Education of Teachers - Arthur Wright Combs 1965

Rock Classification Systems for Engineering Purposes - Louis Kirkaldie 1988

Policy and Practice in Higher Education - Ivar Bleiklie 2000

Change in higher education policy reflects and transforms the relationship between the state, the higher education institution and the individual. Drawn from the perspectives of political science and sociology, this volume describes and analyses the interplay of factors at all three levels, using Norway as a case study. The last thirty years have been a period of rapid growth and change in the Norwegian higher education system. This book details the nature of the intensive change and how it has redefined the location and mission of higher education. At the level of the institution itself it analyses processes of growth, diversification and integration and how these affect individual learning; it looks at recent organisational trends towards managerialism, theoretification and hierarchisation. The authors examine the influence and identity of the academic profession and knowledge formation for the future 'knowledge society'.

Occupational Legislation: Health and Safety - 1971

New Flatness - Alicia Imperiale 2000-08-01

In recent architecture theory and practise there has been a tendency to refer to exteriors as a skin concealing an interior, as opposed to the traditional and more physical concepts of surface, flatness, and depth. The computer now enables the architect to call his design into life, free from the rigid material form, and view it as a flexible and interactive creation. In this book, the concepts of flatness and surface tension are examined in the light of virtual design and built reality. A selection of projects are presented to show how the architects regard space and surfaces in modern architectural practice in a digital age.

Classroom Practice - D. Jean Clandinin 1986

Professions and Power (Routledge Revivals) - Terence J. Johnson 2016-06-17

First published in 1972, this book rejects as inadequate the 'trait' and 'functionalist' theories of the professions and instead presents an alternative framework to analyse the contemporaneous occupational change in industrial societies. The author describes how occupational specialisation creates varying degrees of social distance between producers and consumers of goods or services, thus several institutions of control social have developed — collegiate, corporate or oligarchic patronage, mediative. The author looks at the social conditions necessary for the development of these methods of control and the apparent decline of professionalism in both developed and undeveloped societies.

Electronics Engineer's Reference Book - F. F. Mazda 2013-10-22

Electronics Engineer's Reference Book, Sixth Edition is a five-part book that begins with a synopsis of mathematical and electrical techniques used in the analysis of electronic systems. Part II covers physical phenomena, such as electricity, light, and radiation, often met with in electronic systems. Part III contains chapters on basic electronic components and materials, the building blocks of any electronic design. Part IV highlights electronic circuit design and instrumentation. The last part shows the application areas of electronics such as radar and computers.

Electric Machinery Fundamentals - Stephen J. Chapman 2005

Electric Machinery Fundamentals continues to be a best-selling machinery text due to its accessible, student-friendly coverage of the important topics in the field. Chapman's clear writing persists in being one of the top features of the book. Although not a book on MATLAB, the use of MATLAB has been enhanced in the fourth edition. Additionally, many new problems have been added and remaining ones modified. Electric Machinery Fundamentals is also accompanied by a website that provides solutions for instructors, as well as source code, MATLAB tools, and links to important sites for students.

Simulation Using Pro Model - Charles R. Harrell 2011-05-01

Simulation Using ProModel covers the art and science of simulation in general and the use of ProModel simulation software in particular. The text blends theory with practice. Actual applications in business, services and manufacturing and a hands-on approach to simulation, including real-world simulation projects, are emphasized. The third edition of Simulation Using ProModel reflects the most recent version of the ProModel software in all the examples and labs as well as expanded coverage on generating random variates and design of experiments. Additionally, the lead author is founder and Chief Technology Advisor for ProModel Corporation.

Machinery's Handbook - Erik Oberg 2000

Managing the Supply Chain - David Simchi-Levi 2003-11-22

In today's environment of tight budgets and even tighter turnarounds, effective supply-chain management has become a core business requirement. Managing the Supply Chain adapts the number one supply-chain book on the college market to examine how professionals can consistently turn supply-chain strategy into a competitive advantage. This results-based book examines the experiences of today's most accomplished companies to demonstrate supply-chain innovation at work in the marketplace.

Chia Recipes: Versatile & Delicious Chia Seed Recipes - Carla Hale 2019-01-26

Do you love chia seed pudding for breakfast but are curious as to what else you can create with these amazingly nutritious seeds? If so, then this Chia Recipes Cookbook is about to be a life changer. The biggest advantage of chia seeds is that they can absorb just about any liquid that you mix with them. Other benefits include getting you full faster, keeping you fuller for longer and also keeping you hydrated. These small nutritional bombs carry very few calories with large nutritional benefits by just consuming a small amount of these seeds daily and despite popular belief you can utilize these magical seeds in any meal of the day. In this Chia Seeds Recipes Cookbook, we will be exploring 30 delicious Chia Seed recipes that can be enjoyed at just about any time throughout the day. Grab a copy of this Chia Seeds Cookbook today and start enjoying these benefits as soon as you can.

İşletmelerde Bilişim Sistemleri Yönetimi - Ph. D Mustafa Çoruh 2018-03-29

Bu kitap "Bilişim Teknolojileri (BT) Ekonomisi ve Toplumu" adlı ilk kitabımda BT'lerin hayatımızı değiştirdiği dört yerdeki (Evde, okulda, kentlerde ve işyerlerinde) incelememin üçüncüsü olan işyerlerindeki etkileri üzerinedir. Daha önce "Bilişim Teknolojileri Destekli Öğrenim" ve "Bilişim Kentleri Çağı" adlı kitaplarımda BT'lerin okul ve kent yaşamındaki etkilerini detaylarıyla inceledim. 30 yılı aşan iş hayatımda BT'lerin iş dünyasını ve yönetimini kurulan Bilişim Sistemleri (BS) vasıtasıyla nasıl değiştirdiğini yaşayarak bildiğimden bu konu için uzun bir araştırma yapmak zorunda olduğumu biliyordum. Diğer yandan 592

sayfayı bulan bu araştırmada sayfa sınırlaması amacıyla BS'lerle ilgili bazı konuları (örneğin Toplam Kalite Yönetimi, 6 Sigma, Simülasyon, Gereksinim Yönetimi, Programlama vs.) kitap haricinde bırakmak zorunda kaldığımı da belirtmeliyim. Bu kitapta ağırlıklı olarak BT'lerin işletmelerdeki uygulaması olan Bilişim Sistemlerinden bahsettim çünkü BT'ler BS'ler vasıtasıyla işletmeleri ve yönetimlerini etkilemektedirler. Dünyanın en hızlı bilgisayarını veya en yeni akıllı telefonunu satın almanız veya en hızlı internet erişimine sahip olmanız işletmeye ekstra bir katkı sağlamamaktadır. Ne zaman ki bu araçlar işletme süreçlerinin otomasyonunu sağlayan BS'ler içinde kullanılmaya başlanınca işletme rekabetçiliğine, karına veya maliyetlerinin kontrolüne bir faydası olabilmektedir. Bu yüzden işletme yöneticilerinin bilmesi gereken en önemli konu BT araçlarını ve diğer yeni teknolojik araçları işletme iş süreçlerinde nasıl verimli ve etkin bir şekilde kullanabileceklerini bilmeleridir. Bilmiyorlarsa da bilenleri işe almalarıdır. En son yenilikleri kullanmak belki de firmaya zarar vermekte veya rekabet dezavantajı oluşturmaktadır. Bu açıdan öncelikle bugün BS'lerin hangi işletme fonksiyonlarını nasıl etkilediğini ve gelecekte nasıl etkileyebileceğini anlatmaya çalıştım. Örneğin, Yapay Zekâ (YZ) ve onun en önemli uygulamalarından birisi olan Robotiklerin iş süreçleri ve işletme yönetimlerini yakın bir zamanda nasıl etkileyebileceğinden bahsettim. Endüstri 4.0 teknolojileriyle insan ve makinelerin birlikte nasıl verimli ve etkin bir şekilde çalışmaları gerektiği insanlığın ve işletmelerin önünde duran en önemli konulardan birisi olduğunu söylemek fazla fütüristik bir kehanet değil. Kitapta İşletmelerde kullanılan Bilişim Sistemleriyle ilgili temel konulara bir bütünlük içinde bakarken kitabın arka kapağındaki soruları cevaplamaya çalıştım. Bilişim Sistemleri arasındaki ilişkileri, farklılıklarını ve birbirlerini nasıl tamamladıklarını satır aralarında vermeye çalıştım. BS'lerle işletme süreçlerinin nasıl bütünleştirileceği işletmelerdeki en yeni yönetim sorunları olduğu unutulmamalıdır. İşletme yöneticilerinin hatırlaması gereken bir önemli konuda BS'lerin bir yazılım ve değişim projesi olmasıdır. Bilişim Teknolojileri ve Sistemleri okuryazarlığı için bilinmesi gereken bazı teknik, bilimsel ve teknolojik terimlerin kısaltmalarını kitapta ilk kullanıldığında uzun ve kısaltılmış

yazılımlarıyla birlikte kullandım. Örneğin Veritabanları (VT), Veri İşleme Sistemi (VİS), Kurumsal İş Zekâsı (KİZ), Yönetim Bilişim Sistemi (YBS), Karar Destek Sistemi (KDS), Veri Ambarı (VA), Veri Madenciliği (VM), Kurumsal Kaynak Planlama (KKP), Müşteri İlişkileri Yönetimi (MİY), Tedarik Zinciri Yönetimi (TZY), Ofis Otomasyon Sistemi (OOS) ve Bilgi Yönetimi (BY) en fazla kullandığım kısaltmalardır. Kitap sonundaki "Kısaltmalar" tablosunda tüm kısaltmaları listelemeye çalıştım. Ayrıca birçok terimin İngilizcesini de parantez içinde vermeye çalıştım. Örneğin Veritabanları (Database) gibi. Dilimize girmiş birçok yabancı teknik terim ve kelimelerin Türkçesini kullanmaya özen gösterdim ve bu yabancı kelimeleri de parantez içinde yazdım. Ayrıca BT'lerin BS'ler vasıtasıyla işletmeler üzerindeki etkilerini incelerken, birazda üniversitelerimizde YBS bölümlerinde okutulan BS'lerle ilgili uzmanlık konularının çoğunu özetlemeye çalıştım. Özellikle İş Dünyasında çokça kullanılan bazı konulara (VİS, YBS, KDS, VT, VA, BY, US, KKP, MİY, Sistem yaklaşımı, SGYD vs.) biraz detaylı bakmaya çalıştım. Kısacası kitapta işletmelerde Bilişim Teknolojileri ve Sistemleri denince akla gelebilecek birçok konuya değinmeye çalıştım. Bu yüzden bu kitabın BS alanında bir elkitabı veya kaynak kitap olarak düşünülmesinde fayda vardır. Bu kitapta ilkokul öğretmenim Sayın Şerare Özyağcı hanımdan, en son Doktora tez danışmanım sayın Prof. Dr. Len Rogers'a kadar yüzlerce kişinin emeğinin olduğu unutulmamalıdır. 1984'ten beri Türkiye, ABD, Kanada ve İngiltere de çalıştığım veya danışmanlığımı yaptığım onlarca firma ve müşterilerimin katkılarını unutabilir miyim? Burada isim isim teşekkür edemediğim ancak bu kitabın yazılmasında katkıları olan daha yüzlerce kişi var, hepsine en içten dileklerle teşekkür ederim. Hayatta neyi tek başımıza yapabiliyoruz ki? Bu kitap 30+ yıldır üretim planlama ve stok kontrol müdürü, metot etüdcü, sistem analisti, programcı, VT tasarımcısı ve yöneticisi, BS proje yöneticisi, üniversite öğretim görevlisi ve BS danışmanı olarak işletmelerde Bilişim Sistemleri alanında yaptığım çalışma ve tecrübelerin kayıt altına alınmaya çalışılmış bir özetidir. Tabii ki kitabın hataları ve eksikleri vardır ve bunlar tamamen bana aittir. Kitabın geliştirilmesi ve zenginleştirilebilmesi için hertür düzeltme ve fikirlere açık olduğumu bir kere daha belirtmek isterim. Mustafa Çoruh

Kdz. Ereğli, Mart 2018

Changing Research and Practice - Terence Boak 2020-04-02

First Published in 1996. Arising from the 7th International Study Association on Teacher Thinking (ISATT) conference in 1995, this book presents a diverse, yet integrated, approach to understanding how research and practice in classrooms are changing.

Advanced Foundation Engineering - V. N. S. Murthy 2017-08-30

RoboCup-98: Robot Soccer World Cup II - Minoru Asada 1999-07-21

RoboCup is an international initiative devoted to advancing the state of the art in artificial intelligence and robotics. The aims of the project and potential research directions are numerous. The ultimate, long-range goal is to build a team of robot soccer players that can beat a human World Cup champion team. This book is the second official archival publication devoted to RoboCup. It documents the achievements presented at the Second International Workshop on RoboCup held in Paris, France, in July 1998. The book opens with an overview section, provides research papers on selected technical topics, and presents technical and strategic descriptions of the work of participating teams. Of interest far beyond the rapidly growing RoboCup community, this book is also indispensable reading for R&D professionals interested in multi-agent systems, distributed artificial intelligence, and intelligent robotics.

Artificial Intelligence Techniques for Networked Manufacturing Enterprises Management - Lyes Benyoucef 2010-05-10

Artificial Intelligence Techniques for Networked Manufacturing Enterprises Management addresses prominent concepts and applications of AI technologies in the management of networked manufacturing enterprises. The aim of this book is to align latest practices, innovation and case studies with academic frameworks and theories, where AI techniques are used efficiently for networked manufacturing enterprises. More specifically, it includes the latest research results and projects at different levels addressing quick-response system, theoretical performance analysis, performance and capability demonstration. The

role of emerging AI technologies in the modelling, evaluation and optimisation of networked enterprises' activities at different decision levels is also covered. Artificial Intelligence Techniques for Networked Manufacturing Enterprises Management is a valuable guide for postgraduates and researchers in industrial engineering, computer science, automation and operations research.

Digital Materiality in Architecture - Fabio Gramazio 2008

Robots build! At their Program in Architecture and Digital Production at the Eidgenössische Technische Hochschule (ETH) Zürich (Swiss Federal Institute of Technology in Zurich), the architects Gramazio & Kohler have installed a research facility that is unique in the world. It is based on a computer-controlled industrial robot that produces construction elements directly from design data. The robot works flexibly with a tremendous range of tools and materials. In this way Gramazio & Kohler probe the exciting potential of digital design, construction, and manufacturing techniques for architecture. Gramazio & Kohler attracted widespread attention with the sWISH Pavilion at the Swiss National Exposition Expo 02 and the new Christmas lighting display on Zurich's Bahnhofstrasse. In their projects they incorporate insights and discoveries from the field of computer-aided production into the architectonic design process, using computers to develop innovative construction techniques and architecture. First structures using robots have already been built. Thus, the much noted Gantenbein vineyard in Fläsch employs facades with individually laid bricks for the first time. This publication places explosive insights, theses, and conclusions from the dialectic between physically experienceable architecture and digital processes up for debate.

Intelligent Optimisation Techniques - Duc Pham 2012-12-06

This work gives a concise introduction to four important optimization techniques, presenting a range of applications drawn from electrical, manufacturing, mechanical, and systems engineering-such as the design of microstrip antennas, digital FIR filters, and fuzzy logic controllers. The book also contains the C programs used to implement the main techniques for those wishing to experiment with them.

Discovering Data Mining - Peter Cabena 1998

Through extensive case studies and examples, this book provides practical guidance on all aspects of implementing data mining: technical, business, and social. The book also demonstrates IBM's powerful new intelligent Miner tool and shows how it can be applied.

Water and Oil Repellent Surfaces - Ioannis Karapanagiotis 2020-11-18

Materials of extreme wetting properties have received significant attention, as they offer new perspectives providing numerous potential applications. Water- and oil-repellent surfaces can be used, for instance, in the automobile, microelectronics, textile and biomedical industries; in the protection and preservation of constructions, buildings and cultural heritage; and in several other applications relevant to self-cleaning, biocide treatments, oil-water separation and anti-corrosion, just to name a few. The papers included in this book present innovative production methods of advanced materials with extreme wetting properties that are designed to serve some of the abovementioned applications. Moreover, the papers explore the scientific principles behind these advanced materials and discuss their applications to different areas of coating technology.

The Perfect Sales Funnel - Big Lake 2016-01-17

The Perfect Sales Funnel : Maximize Potential Profits! By Big Lake Systems @ clixfunnels.com Sales Funnels in internet marketing are becoming more and more popular. It is no longer a case of creating a single online product and selling that product. Internet Marketers have now realized the potential of increased income with a sales funnel model. Adding a successful sales funnel to your online business allows you to maximize the sales potential from each customer you have. Not just one sale, but multiple sales over and over again! Just who can resist an offer to increase sales growth and add more revenue to their business? You need to take it one step further and use some cast iron techniques to earn that all important recurring income. Did you know that building an online sales funnel is really not as difficult as it may seem. By using some of the simple but effective techniques in this eBook you can leverage more sales and create a larger income stream than ever before! There are

so many ways to cash in on sales funnel creation and so many techniques involved. It's not all work either. Once you have implemented these techniques, they remain in-place generating income for as long as you run your business! Here Are Just Some of the Things You Will Learn With "The Perfect Sales Funnel":- Make your business more successful and sell products like hot cakes- Get more people to be interested in what your business has to offer- Get a higher Return on Investment from the sales process- Get more sales opportunities- Develop a manageable cost structure- The Power of Joint Ventures- Social Media Profits- And much, much more !

Machining of Polymer Composites - Jamal Ahmad 2009-04-21

This excellent volume will serve as an indispensable reference and source book for process design, tool and production engineers in composite manufacturing. It provides the reader with a comprehensive treatment of the theory of machining as it applies to fiber reinforced polymer composites. It covers the latest technical advances in the area of machining and tooling, and discusses the applications of fiber reinforced polymer composites in the aircraft and automotive industries.

iPhone and iOS Forensics - Andrew Hoog 2011-07-25

iPhone and iOS Forensics is a guide to the forensic acquisition and analysis of iPhone and iOS devices, and offers practical advice on how to secure iOS devices, data and apps. The book takes an in-depth look at methods and processes that analyze the iPhone/iPod in an official legal manner, so that all of the methods and procedures outlined in the text can be taken into any courtroom. It includes information data sets that are new and evolving, with official hardware knowledge from Apple itself to help aid investigators. This book consists of 7 chapters covering device features and functions; file system and data storage; iPhone and iPad data security; acquisitions; data and application analysis; and commercial tool testing. This book will appeal to forensic investigators (corporate and law enforcement) and incident response professionals. Learn techniques to forensically acquire the iPhone, iPad and other iOS devices Entire chapter focused on Data and Application Security that can assist not only forensic investigators, but also application developers and

IT security managers In-depth analysis of many of the common applications (both default and downloaded), including where specific data is found within the file system

Precedents in Architecture - Roger H. Clark 1996

Precedents in Architecture provides a vocabulary for architectural analysis that will help you understand the works of others, and aid you in creating your own designs. Here, you will examine the work of internationally known architects with the help of a unique diagrammatic technique, which you can also use to analyze existing buildings. In addition to the sixteen original contributors, the Second Edition features seven new, distinguished architects. All 23 architects were selected because of the strength, quality, and interest of their designs.

Assessing 21st Century Skills - National Research Council 2011-09-16

The routine jobs of yesterday are being replaced by technology and/or shipped off-shore. In their place, job categories that require knowledge management, abstract reasoning, and personal services seem to be growing. The modern workplace requires workers to have broad cognitive and affective skills. Often referred to as "21st century skills," these skills include being able to solve complex problems, to think critically about tasks, to effectively communicate with people from a variety of different cultures and using a variety of different techniques, to work in collaboration with others, to adapt to rapidly changing environments and conditions for performing tasks, to effectively manage one's work, and to acquire new skills and information on one's own. The National Research Council (NRC) has convened two prior workshops on the topic of 21st century skills. The first, held in 2007, was designed to examine research on the skills required for the 21st century workplace and the extent to which they are meaningfully different from earlier eras and require corresponding changes in educational experiences. The second workshop, held in 2009, was designed to explore demand for these types of skills, consider intersections between science education reform goals and 21st century skills, examine models of high-quality science instruction that may develop the skills, and consider science teacher readiness for 21st century skills. The third workshop was

intended to delve more deeply into the topic of assessment. The goal for this workshop was to capitalize on the prior efforts and explore strategies for assessing the five skills identified earlier. The Committee on the Assessment of 21st Century Skills was asked to organize a workshop that reviewed the assessments and related research for each of the five skills identified at the previous workshops, with special attention to recent developments in technology-enabled assessment of critical thinking and problem-solving skills. In designing the workshop, the committee collapsed the five skills into three broad clusters as shown below: Cognitive skills: nonroutine problem solving, critical thinking, systems thinking Interpersonal skills: complex communication, social skills, team-work, cultural sensitivity, dealing with diversity Intrapersonal skills: self-management, time management, self-development, self-regulation, adaptability, executive functioning *Assessing 21st Century Skills* provides an integrated summary of the presentations and discussions from both parts of the third workshop.

The Professional Education of Teachers - Arthur Wright Combs 1974

The Microwave Engineering Handbook - 1993

How to Draw Like a Fashion Illustrator - Robyn Neild 2015-11-30

This step-by-step guide provides an insight into how to illustrate fashion designs and get your ideas down on paper. It is of interest to any designer, from the complete beginner or someone hoping to improve their skills and establish a career as a fashion illustrator, to professionals wanting to strengthen their visual impact. Using inspiration from past artists and illustrators, readers will learn how to adopt new and different ways of drawing.

Teachers--Transforming Their World and Their Work - Ann Lieberman 1999-03-12

A sequel to ""Teachers - Their World and Their Work"". It addresses the realities of teaching and schools by focusing on both the constraints and the possibilities embedded in practice. Featuring the experiences of seasoned teachers, it shows what change looks like from the inside.

Successful Presentation Skills - Andrew Bradbury 2010

Would you instinctively start planning for the event, or start planning how to delegate the task to someone else? --

The Pirate's Son - Harry Hazel 2009-08

Justin Jones (1814-1889), who also wrote under the pseudonyms Captain Merry and Harry Hazel, was an American printer and dime novelist. He was printer of the weekly Hartford Pearl and Literary Gazette in 1834. In 1844 he was printer of a children's book - Sam Squab: The Boston Boy by John S. Adams - and in the same year he wrote a series of short stories under the pseudonym Harry Hazel. He authored more than forty dime novels during the 1840s and 50s. In 1853 alone he published six sea tales including *The Flying Yankee; or, The Cruise of the Clippers* and *Harry Tempest; or, The Pirate's Protege*. He issued a weekly story in his own paper - Harry Hazel's *Yankee Blade*. Other works include: *Old Put; or, The Days of Seventy-Six* (1850), *The Brigand; or, The Mountain Chief* (1852), *The Rebel Bride: A Revolutionary Romance* (1853), *The Smuggler King!*; or, *The Rovers of the Antilles* (1855), *The Pirate's Son: A Sea Novel of Great Interest* (1855), *Jack Waid: The Cobbler of Gotham* (1856) and *The Doomed Ship; or, The Wreck of the Arctic Regions* (1864).

The Landscape of Contemporary Infrastructure - Kelly Shannon 2016-07-26

Since its initial publication in 2010, "*The Landscape of Contemporary Infrastructure*" has become a standard reference for designers; this new edition brings the indispensable volume back into print. The design of infrastructural networks--the systems that enable flow within a structure such as a city, like roads and railways--is among urban design's foremost tasks. Around the globe, the awareness of enhanced infrastructure fluidity as a catalyst for economic development is rising. "*The Landscape of Contemporary Infrastructure*" investigates how infrastructure design determines the organization and flow of the inhabited landscape--as an agency of enhanced mobility, as a physical presence, as a design feature contributing to the character of a city and as a sound theoretical approach to a positive experience of collective space. In this volume, these four issues are explored in four chapters that catalogue these

approaches, and each chapter is buttressed with key projects from around the world by designers such as Norman Foster, Zaha Hadid, OMA, Arata Isozaki, Paul Andreu, Xaveer De Geyter, Jean Nouvel and Ricardo Bofill. The authors demonstrate how the creative potential of architecture, landscape architecture and urban design is essential to the effective flow of infrastructural networks.

Sensing, Intelligence, Motion - Vladimir J. Lumelsky 2005-11-28

A leap forward in the field of robotics Until now, most of the advances in robotics have taken place in structured environments. Scientists and engineers have designed highly sophisticated robots, but most are still only able to cooperate and move in predetermined, planned environments designed specifically for the robots and typically at very high cost. This new book takes robotics to the next level by setting forth the theory and techniques needed to achieve robotic motion in unstructured environments. The ability to move and operate in an arbitrary, unplanned environment will lead to automating a wider range of new robotic tasks, such as patient care, toxic site cleanup, and planetary exploration. The approach that opens the door for robots to handle unstructured tasks is known as Sensing-Intelligence-Motion (SIM), which draws from research in topology, computational complexity, control theory, and sensing hardware. Using SIM as an underlying foundation, the author's carefully structured presentation is designed to: * Formulate the challenges of sensor-based motion planning and then build a theoretical foundation for sensor-based motion planning strategies * Investigate promising algorithmic strategies for mobile robots and robot arm manipulators, in both cases addressing motion planning for the whole robot body * Compare robot performance to human performance in sensor-based motion planning to gain better insight into the challenges of SIM and help build synergistic human-robot teams for tele-operation tasks. It is both exciting and encouraging to discover that robot performance decisively exceeds human performance in certain tasks requiring spatial reasoning, even when compared to trained operators * Review sensing hardware that is necessary to realize the SIM paradigm Some 200 illustrations, graphic sketches, and photos

are included to clarify key issues, develop and validate motion planning approaches, and demonstrate full systems in operation. As the first book fully devoted to robot motion planning in unstructured environments, *Sensing, Intelligence, Motion* is a must-read for engineers, scientists, and researchers involved in robotics. It will help them migrate robots from highly specialized applications in factories to widespread use in society where autonomous robot motion is needed.

Variable Lebesgue Spaces - David V. Cruz-Uribe 2013-02-12

This book provides an accessible introduction to the theory of variable Lebesgue spaces. These spaces generalize the classical Lebesgue spaces by replacing the constant exponent p with a variable exponent $p(x)$. They were introduced in the early 1930s but have become the focus of renewed interest since the early 1990s because of their connection with the calculus of variations and partial differential equations with nonstandard growth conditions, and for their applications to problems in physics and image processing. The book begins with the development of the basic function space properties. It avoids a more abstract, functional analysis approach, instead emphasizing a hands-on approach that makes clear the similarities and differences between the variable and classical Lebesgue spaces. The subsequent chapters are devoted to harmonic analysis on variable Lebesgue spaces. The theory of the Hardy-Littlewood maximal operator is completely developed, and the connections between variable Lebesgue spaces and the weighted norm inequalities are introduced. The other important operators in harmonic analysis - singular integrals, Riesz potentials, and approximate identities - are treated using a powerful generalization of the Rubio de Francia theory of extrapolation from the theory of weighted norm inequalities. The final chapter applies the results from previous chapters to prove basic results about variable Sobolev spaces.

Perceiving Talking Faces - Dominic W. Massaro 1998

This book discusses the author's experiments on the use of multiple cues in speech perception and other areas and unifies the results through a logical model of perception.

Professional Linux Kernel Architecture - Wolfgang Mauerer

2010-03-11

Find an introduction to the architecture, concepts and algorithms of the Linux kernel in *Professional Linux Kernel Architecture*, a guide to the kernel sources and large number of connections among subsystems. Find an introduction to the relevant structures and functions exported by the kernel to userland, understand the theoretical and conceptual aspects of the Linux kernel and Unix derivatives, and gain a deeper understanding of the kernel. Learn how to reduce the vast amount of information contained in the kernel sources and obtain the skills necessary to understand the kernel sources.

Teaching, Multimedia, and Mathematics - Magdalene Lampert 1998

New from the Practitioner Inquiry Series, this volume covers every aspect of how a teacher learns to be a teacher. The authors, two veteran teacher researchers, develop an approach to teaching and teacher education that is rooted in the study of practice. Lampert and Ball use video, audio, and text tools to capture information about what occurred in their two mathematics education classrooms during one school year. The text features: close examination of the daily interplay between teacher, student, and subject content; videos of lessons, children's work, and teachers' daily plans that can be used as the curriculum for teacher education in a technology-supported environment; the authors' extensive experience in engaging prospective teachers in the "messy work" of making sense of teaching and learning. This groundbreaking volume is also distinctive for situating teacher learning about subject matter within teacher learning about other elements of practice, such as equity, assessment, and collaborative work. The book concludes with an essay by historian and policy analyst David Cohen, where he analyzes this work and the efforts to bring experience with "real" teaching into teacher preparation.

Pro C# 2010 and the .NET 4 Platform - Andrew Troelsen 2010-07-07

The first edition of this book was released at the 2001 Tech-Ed conference in Atlanta, Georgia. At that time, the .NET platform was still a beta product, and in many ways, so was this book. This is not to say that the early editions of this text did not have merit—after all, the book was a

2002 Jolt Award finalist and it won the 2003 Referenceware Excellence Award. However, over the years that author Andrew Troelsen spent working with the common language runtime (CLR), he gained a much deeper understanding of the .NET platform and the subtleties of the C# programming language, and he feels that this fifth edition of the book is as close to a “final release” as he’s come yet. This new edition has been comprehensively revised and rewritten to make it accurately reflect the C# 4 language specification for the .NET 4 platform. You’ll find new chapters covering the important concepts of dynamic lookups, named and optional arguments, Parallel LINQ (PLINQ), improved COM interop, and variance for generics. If you’re checking out this book for the first

time, do understand that it's targeted at experienced software professionals and/or graduate students of computer science (so don't expect three chapters on iteration or decision constructs!). The mission of this text is to provide you with a rock-solid foundation in the C# programming language and the core aspects of the .NET platform (assemblies, remoting, Windows Forms, Web Forms, ADO.NET, XML web services, etc.). Once you digest the information presented in these 25 chapters, you’ll be in a perfect position to apply this knowledge to your specific programming assignments, and you’ll be well equipped to explore the .NET universe on your own terms.