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The Routledge Handbook of Chinese Second Language Acquisition - Chuanren Ke 2018-03-29
The Routledge Handbook of Chinese Second Language Acquisition is the first reference work of its kind. The handbook contains twenty contributions from leading experts in the field of Chinese SLA, covering a wide range of topics such as social contexts, linguistic perspectives, skill learning, individual differences and learning settings and testing. Each chapter covers historical perspectives, core issues and key findings, research approaches, pedagogical implications, future research direction and additional references. The Routledge Handbook of Chinese Second Language Acquisition is an essential reference for Chinese-language teachers and researchers in Chinese applied linguistics and second language acquisition.

Hybrid Vehicles - BADIN François 2013-07-04
The fast growth in world population and the associated energy requirements, the announced depletion of fossil fuel resources, the continuing rise in greenhouse gas (GHG) emissions with the induced climatic changes represent some of the major challenges to be taken up in the coming years and decades. Hybridization therefore typically represents a transition technology which can significantly improve the energy and environmental performance of current vehicles, without radically changing their use typologies, while opening the way to new propulsion modes for the longer term. It is nevertheless a complex subject requiring a multidisciplinary approach. This book, which is intended to be exhaustive, considers the vehicle, its components, their association and their control, as well as the global balances determined over the vehicle lifetime. It starts with a general presentation of the various conditions of use of vehicles, to give readers an understanding of the stakes related to the development of hybrid vehicles and the methods used to compare the performance of the various solutions. The principles and the various types of internal combustion engine and electrical drives, onboard energy storage systems, principles, architectures, specific components and operation of hybrid drivetrains, as well as the energy management in these vehicles, are developed. A global analysis of the various drivetrains life cycle assessment (LCA), total costs and availability of sensitive materials is also provided. This book is intended for everyone involved in the design, manufacture and implementation of hybrid drive vehicles and their components. It will also be of interest to students, teachers and researchers wishing to acquire or further their knowledge in all fields impacted by drivetrain electrification. More globally, after consulting this book, readers will be in a position to evaluate the technologies related to the concept of drivetrain hybridization, their implementation, balances and generalization conditions. This book is available in French Under the title "Véhicules hybrides". Contents : 1. Vehicle use. 2. Internal combustion engines. 3. Electric drivetrain. 4. On-board energy storage systems. 5. Hybridization. 6. Control of hybrid vehicles. 7. Comparative study of hybrid vehicles: greenhouse gas emissions, energy consumption, and cost. Appendixes.

Research on the Management of Innovation - Andrew H. Van de Ven 2000
List of Figures. List of Tables. Preface to the Paperback Edition. Preface to the Original Edition. Section I: Overview of Research Program and Methods. 1. An Introduction to the Minnesota Innovation Research Program, Andrew H. Van de Ven and Harold L. Angle. 2. Methods for Studying Innovation Processes, Andrew H. Van de Ven and Marshall Scott Poole. 3. A Psychometric Assessment of the Minnesota Innovation Survey, Andrew H. Van de Ven and Yun-han Chu. Section II: The Minnesota Innovation Research Program Framework. 4. The Development of Innovation Ideas, Roger G. Schroeder, Andrew H. Van de Ve.

Application Development and Design: Concepts, Methodologies, Tools, and Applications -

Management Association, Information Resources 2017-08-11
Advancements in technology have allowed for the creation of new tools and innovations that can improve different aspects of life. These applications can be utilized across different technological platforms. Application Development and Design: Concepts, Methodologies, Tools, and Applications is a comprehensive reference source for the latest scholarly material on trends, techniques, and uses of various technology applications and examines the benefits and challenges of these computational developments. Highlighting a range of pertinent topics such as software design, mobile applications, and web applications, this multi-volume book is ideally designed for researchers, academics, engineers, professionals, students, and practitioners interested in emerging technology applications.

Computer Science – CACIC 2018 - Patricia Pesado 2019-05-20
This book constitutes revised selected papers from the 24th Argentine Congress on Computer Science, CACIC 2018, held in Tandil, Argentina, in October 2018. The 26 papers presented in this volume were carefully reviewed and selected from a total of 155 submissions. They were organized in topical sections named: Agents and Systems; Distributed and Parallel Processing; Technology Applied to Education; Graphic Computation, Images and Visualization; Software Engineering; Databases and Data Mining; Hardware Architectures, Networks, and Operating Systems; Innovation in Software Systems; Signal Processing and Real-Time Systems; Computer Security; Innovation in Computer Science Education; and Digital Governance and Smart Cities.

Biochemical Genetics - 1967

Computerworld - 1997-03-10
For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network.
The Past is But Prologue for the Future--or is It? - James B. Kendrick 1986

Approaches and Applications of Deep Learning in Virtual Medical Care - Zaman, Noor 2022-02-25
The recent advancements in the machine learning paradigm have various applications, specifically in the field of medical data analysis. Research has proven the high accuracy of deep learning algorithms, and they have become a standard choice for analyzing medical data, especially medical images, video, and electronic health records. Deep learning methods applied to electronic health records are contributing to understanding the evolution of chronic diseases and predicting the risk of developing those diseases. Approaches and Applications of Deep Learning in Virtual Medical Care considers the applications of deep learning in virtual medical care and delves into complex deep learning algorithms, calibrates models, and improves the predictions of the trained model on medical imaging. Covering topics such as big data and medical sensors, this critical reference source is ideal for researchers, academicians, practitioners, industry professionals, hospital workers, scholars, instructors, and students.

Properties and Applications of Polymer Nanocomposites - Deba Kumar Tripathy 2017-05-07
The aim of the present edited book is to furnish scientific information about manufacturing, properties, and

application of clay and carbon based polymer nanocomposites. It can be used as handbook for undergraduate and post graduate courses (for example material science and engineering, polymer science and engineering, rubber technology, manufacturing engineering, etc.) as well as as reference book for research fellows and professionals. Polymer nanocomposites have received outstanding importance in the present decade because of their broad range of high-performance applications in various areas of engineering and technology due to their special material properties. A great interest is dedicated to nanofiller based polymeric materials, which exhibit excellent enhancement in macroscopic material properties (mechanical, thermal, dynamic mechanical, electrical and many more) at very low filler contents and can therefore be used for the development of next-generation composite materials.

Short Rotation Woody Crop Production Systems for Ecosystem Services and Phytotechnologies - Ronald S. Zalesny Jr. 2019-12-20

While international efforts in the development of short rotation woody crops (SRWCs) have historically focused on the production of biomass for bioenergy, biofuels, and bioproducts, research and deployment over the past decade has expanded to include broader objectives of achieving multiple ecosystem services. In particular, silvicultural prescriptions developed for SRWCs have been refined to include woody crop production systems for environmental benefits such as carbon sequestration, water quality and quantity, and soil health. In addition, current systems have been expanded beyond traditional fiber production to other environmental technologies that incorporate SRWCs as vital components for phytotechnologies, urban afforestation, ecological restoration, and mine reclamation. In this Special Issue of the journal Forests, we explore the broad range of current research dedicated to our topic: International Short Rotation Woody Crop Production Systems for Ecosystem Services and Phytotechnologies

Mobile App Development with Ionic, Revised Edition - Chris Griffith 2017-08-18

Learn how to build app store-ready hybrid apps with Ionic, the framework built on top of Apache Cordova (formerly PhoneGap) and Angular. This revised guide shows you how to use Ionic's tools and services to develop apps with HTML, CSS, and TypeScript, rather than rely on platform-specific solutions found in Android, iOS, and Windows Universal. Author Chris Griffith takes you step-by-step through Ionic's powerful collection of UI components, and then helps you use it to build three cross-platform mobile apps. Whether you're new to this framework or have been working with Ionic 1, this book is ideal for beginning, intermediate, and advanced web developers. Understand what a hybrid mobile app is, and what comprises a basic Ionic application Learn how Ionic leverages Apache Cordova, Angular, and TypeScript to create native mobile applications Create a Firebase-enabled to-do application that stores data across multiple clients Build a tab-based National Park explorer app with Google Map integration Develop a weather app with the Darksky weather API and Google's GeoCode API Debug and test your app to resolve issues that arise during development Walk through steps for deploying your app to native app stores Learn how Ionic can be used to create Progressive Web Apps

Enabling AI Applications in Data Science - Aboul-Ella Hassanien 2020-09-23

This book provides a detailed overview of the latest developments and applications in the field of artificial intelligence and data science. AI applications have achieved great accuracy and performance with the help of developments in data processing and storage. It has also gained strength through the amount and quality of data which is the main nucleus of data science. This book aims to provide the latest research findings in the field of artificial intelligence with data science.

IoT - Souvik Pal 2020-06-03

IOT: Security and Privacy Paradigm covers the evolution of security and privacy issues in the Internet of Things (IoT). It focuses on bringing all security and privacy related technologies into one source, so that students, researchers, and practitioners can refer to this book for easy understanding of IoT security and privacy issues. This edited book uses Security Engineering and Privacy-by-Design principles to design a secure IoT ecosystem and to implement cyber-security solutions. This book takes the readers on a journey that begins with understanding the security issues in IoT-enabled technologies and how it can be applied in various aspects. It walks readers through engaging with security challenges and builds a safe infrastructure for IoT devices. The book helps readers gain an understand of security architecture through IoT and describes the state of the art of IoT countermeasures. It also differentiates security threats in IoT-enabled

infrastructure from traditional ad hoc or infrastructural networks, and provides a comprehensive discussion on the security challenges and solutions in RFID, WSNs, in IoT. This book aims to provide the concepts of related technologies and novel findings of the researchers through its chapter organization. The primary audience includes specialists, researchers, graduate students, designers, experts and engineers who are focused on research and security related issues. Souvik Pal, PhD, has worked as Assistant Professor in Nalanda Institute of Technology, Bhubaneswar, and JIS College of Engineering, Kolkata (NAAC "A" Accredited College). He is the organizing Chair and Plenary Speaker of RICE Conference in Vietnam; and organizing co-convener of ICICIT, Tunisia. He has served in many conferences as chair, keynote speaker, and he also chaired international conference sessions and presented session talks internationally. His research area includes Cloud Computing, Big Data, Wireless Sensor Network (WSN), Internet of Things, and Data Analytics. Vicente García-Díaz, PhD, is an Associate Professor in the Department of Computer Science at the University of Oviedo (Languages and Computer Systems area). He is also the editor of several special issues in prestigious journals such as Scientific Programming and International Journal of Interactive Multimedia and Artificial Intelligence. His research interests include eLearning, machine learning and the use of domain specific languages in different areas. Dac-Nhuong Le, PhD, is Deputy-Head of Faculty of Information Technology, and Vice-Director of Information Technology Apply and Foreign Language Training Center, Haiphong University, Vietnam. His area of research includes: evaluation computing and approximate algorithms, network communication, security and vulnerability, network performance analysis and simulation, cloud computing, IoT and image processing in biomedical. Presently, he is serving on the editorial board of several international journals and has authored nine computer science books published by Springer, Wiley, CRC Press, Lambert Publication, and Scholar Press.

Handbook of Research on Mobile Devices and Applications in Higher Education Settings - Briz-Ponce, Laura 2016-07-13

Mobile phones have become an integral part of society, as their convenience has helped democratize and revolutionize communication and the marketplace of ideas. Because of their ubiquity in higher education, undergraduate classrooms have begun to utilize smartphones and tablets as tools for learning. The Handbook of Research on Mobile Devices and Applications in Higher Education Settings explores and fosters new perspectives on the use of mobile applications in a classroom context. This timely publication will demonstrate the challenges that universities face when introducing new technologies to students and instructors, as well as the rewards of doing so in a thoughtful manner. This book is meant to present the latest research and become a source of inspiration for educators, administrators, researchers, app developers, and students of education and technology.

Knowledge Management for Development - Kweku-Muata Osei-Bryson 2014-02-03

A number of developing countries, including small island states have common problems that have affected their development and growth. Knowledge Management (KM) initiatives can be used to address some of these issues, but these developing countries need to understand what is needed to implement them, in order to improve economic conditions. While many of these countries have access to technologies that can be used to assist in knowledge management, relevant and low cost KM initiatives need to be considered in improving their existing KM processes. Sectors critical to the growth of these developing countries include health care, crime management, disaster recovery management, small and medium size enterprise development. Knowledge Management for Development: Domains, Strategies and Technologies for Developing Countries highlights the opportunities in these sectors and provides advice as to how these countries should go about understanding, building and adopting the relevant KM strategies and technologies. This book identifies appropriate technologies which should be considered to increase productivity within the identified sectors in the developing countries and also sectors in where knowledge management initiatives can yield maximum value. It also considers the constraints of these territories, recommending appropriate technologies and strategies for KM initiatives. It provides advice on how these technologies should be adopted in these sectors of developing countries. Investing in these strategies should benefit these countries development and growth.

Energy Research Abstracts - 1993

Semiannual, with semiannual and annual indexes. References to all scientific and technical literature

coming from DOE, its laboratories, energy centers, and contractors. Includes all works deriving from DOE, other related government-sponsored information, and foreign nonnuclear information. Arranged under 39 categories, e.g., Biomedical sciences, basic studies; Biomedical sciences, applied studies; Health and safety; and Fusion energy. Entry gives bibliographical information and abstract. Corporate, author, subject, report number indexes.

Documentación de la FAO. - 1995

Software Processes and Life Cycle Models - Ralf Kneuper 2018-08-24
This book provides a comprehensive overview of the field of software processes, covering in particular the following essential topics: software process modelling, software process and lifecycle models, software process management, deployment and governance, and software process improvement (including assessment and measurement). It does not propose any new processes or methods; rather, it introduces students and software engineers to software processes and life cycle models, covering the different types ranging from "classical", plan-driven via hybrid to agile approaches. The book is structured as follows: In chapter 1, the fundamentals of the topic are introduced: the basic concepts, a historical overview, and the terminology used. Next, chapter 2 covers the various approaches to modelling software processes and lifecycle models, before chapter 3 discusses the contents of these models, addressing plan-driven, agile and hybrid approaches. The following three chapters address various aspects of using software processes and lifecycle models within organisations, and consider the management of these processes, their assessment and improvement, and the measurement of both software and software processes. Working with software processes normally involves various tools, which are the focus of chapter 7, before a look at current trends in software processes in chapter 8 rounds out the book. This book is mainly intended for graduate students and practicing professionals. It can be used as a textbook for courses and lectures, for self-study, and as a reference guide. When used as a textbook, it may support courses and lectures on software processes, or be used as complementary literature for more basic courses, such as introductory courses on software engineering or project management. To this end, it includes a wealth of examples and case studies, and each chapter is complemented by exercises that help readers gain a better command of the concepts discussed.

Expert Systems: Applications to Urban Planning - T.J. Kim 2012-12-06
e FACHGEBIET Mathematical Geology, Computer Applications, Artificial Intelligence, Urban Economics and Regional Economics ***INTERESSENTENGRUPPE*** Of interest to Urban and Regional planners, civil engineers, geographers; computer scientists; operations researchers; landscape architects; and advanced students in the above disciplines.- Level: Technical Book, Monograph ***URHEBER*** T.J. Kim, University of Illinois, Champaign, IL; L.L. Wiggins, Massachusetts Institute of Technology, Cambridge, MA; J.R. Wright, Purdue University, Lafayette, IN (Eds.) ***TITEL*** Expert Systems: Applications to Urban Planning ***BIBLIOGRAPHISCHE-ANGABEN*** 1990. XIV, 268 pp. 48 figs. Hardcover DM 78,- ISBN 3-540-97171-8 ***LANGTEXT*** While expert systems have become a popular topic in the computing, medical and engineering fields, the expert system is still a new technology in urban planning. This book introduces expert systems for problem solving in urban planning and describes the way in which heuristic knowledge and rules of thumb of expert planners can be represented through computer programs. The book presents practical applications of expert systems for solving many important urban planning problems, particularly those issues that many practicing planners face in their daily operations. Problems and issues discussed are grouped in the following categories: - Land Use Planning - Transportation Planning - Site Selection and Analysis - Environmental Planning - Conflict Mediation and Legal Disputes - Future Developments and Directions Expert Systems: Applications to Urban Planning will benefit both urban planners who wish to learn how this new technology might be applied to their daily work as well as researchers in expert systems seeking new ideas for systems design.

Computer Applications for Software Engineering, Disaster Recovery, and Business Continuity - Tai-hoon Kim 2012-11-07
This book comprises the refereed proceedings of the International Conferences, ASEA and DRBC 2012, held in conjunction with GST 2012 on Jeju Island, Korea, in November/December 2012. The papers presented were carefully reviewed and selected from numerous submissions and focus on the various aspects of advanced software engineering and its applications, and disaster recovery and business continuity.

Information Technology and Computer Application Engineering - Hsiang-Chuan Liu 2013-10-11
This proceedings volume brings together some 189 peer-reviewed papers presented at the International Conference on Information Technology and Computer Application Engineering, held 27-28 August 2013, in Hong Kong, China. Specific topics under consideration include Control, Robotics, and Automation, Information Technology, Intelligent Computing and

Semantic Web Science and Real-World Applications - Lytras, Miltiadis D. 2018-10-26
Continual advancements in web technology have highlighted the need for formatted systems that computers can utilize to easily read and sift through the hundreds of thousands of data points across the internet. Therefore, having the most relevant data in the least amount of time to optimize the productivity of users becomes a priority. Semantic Web Science and Real-World Applications provides emerging research exploring the theoretical and practical aspects of semantic web science and real-world applications within the area of big data. Featuring coverage on a broad range of topics such as artificial intelligence, social media monitoring, and microblogging recommendation systems, this book is ideally designed for IT consultants, academics, professionals, and researchers of web science seeking the current developments, requirements and standards, and technology spaces presented across academia and industries.

Advanced Computational Methods for Knowledge Engineering - Tien Do 2014-04-11
The proceedings consists of 30 papers which have been selected and invited from the submissions to the 2nd International Conference on Computer Science, Applied Mathematics and Applications (ICCSAMA 2014) held on 8-9 May, 2014 in Budapest, Hungary. The conference is organized into 7 sessions: Advanced Optimization Methods and Their Applications, Queueing Models and Performance Evaluation, Software Development and Testing, Computational Methods for Mobile and Wireless Networks, Computational Methods for Knowledge Engineering, Logic Based Methods for Decision Making and Data Mining and Nonlinear Systems and Applications, respectively. All chapters in the book discuss theoretical and practical issues connected with computational methods and optimization methods for knowledge engineering. The editors hope that this volume can be useful for graduate and Ph.D. students and researchers in Computer Science and Applied Mathematics. It is the hope of the editors that readers of this volume can find many inspiring ideas and use them to their research. Many such challenges are suggested by particular approaches and models presented in individual chapters of this book.

Rational Application Developer V7 Programming Guide - Ueli Wahli 2008-03-27
IBM® Rational® Application Developer for WebSphere® Software V7.0 (for short, Rational Application Developer) is the full function Eclipse 3.2 based development platform for developing JavaTM 2 Platform Standard Edition (J2SETM) and Java 2 Platform Enterprise Edition (J2EETM) applications with a focus on applications to be deployed to IBM WebSphere Application Server and IBM WebSphere Portal. Rational Application Developer provides integrated development tools for all development roles, including Web developers, Java developers, business analysts, architects, and enterprise programmers. Rational Application Developer is part of the IBM Rational Software Delivery Platform (SDP), which contains products in four life cycle categories: - Architecture management, which includes integrated development environments (Application Developer is here) - Change and release management - Process and portfolio management - Quality management This IBM Redbooks® publication is a programming guide that highlights the features and tooling included with Rational Application Developer V7.0. Many of the chapters provide working examples that demonstrate how to use the tooling to develop applications, as well as achieve the benefits of visual and rapid application development. This publication is an update of Rational Application Developer V6 Programming Guide, SG24-6449. This book consists of six parts: - Introduction to Rational Application Developer - Develop applications - Test and debug applications - Deploy and profile applications - Team development - Appendixes

Universal Access in Human-Computer Interaction. Users Diversity - Constantine Stephanidis 2011-06-27
The four-volume set LNCS 6765-6768 constitutes the refereed proceedings of the 6th International

Conference on Universal Access in Human-Computer Interaction, UAHCI 2011, held as Part of HCI International 2011, in Orlando, FL, USA, in July 2011, jointly with 10 other conferences addressing the latest research and development efforts and highlighting the human aspects of design and use of computing systems. The 70 revised papers included in the second volume were carefully reviewed and selected from numerous submissions. The papers are organized in the following topical sections: user models, personas and virtual humans; older people in the information society; designing for users diversity; cultural and emotional aspects; and eye tracking, gestures and brain interfaces.

Power Electronics, Drives, and Advanced Applications - Vinod Kumar 2020-03-27
Concern for reliable power supply and energy-efficient system design has led to usage of power electronics-based systems, including efficient electric power conversion and power semiconductor devices. This book provides integration of complete fundamental theory, design, simulation and application of power electronics, and drives covering up-to-date subject components. It contains twenty-one chapters arranged in four sections on power semiconductor devices, basic power electronic converters, advanced power electronics converters, power supplies, electrical drives and advanced applications. Aimed at senior undergraduate and graduate students in electrical engineering and power electronics including related professionals, this book • Includes electrical drives such as DC motor, AC motor, special motor, high-performance motor drives, solar, electrical/hybrid vehicle and fuel cell drives • Reviews advances in renewable energy technologies (wind, PV, hybrid power systems) and their integration • Explores topics like distributed generation, microgrid, and wireless power transfer system • Includes simulation examples using MATLAB®/Simulink and over four hundred solved, unsolved and review problems

Hybrid Metaheuristics - Francisco Almeida 2006-09-29
This book constitutes the refereed proceedings of the Third International Workshop on Hybrid Metaheuristics, HM 2006, held in Gran Canaria, Spain, in October 2006. The 13 revised full papers presented together with one invited paper were carefully reviewed and selected from 42 submissions.

Electronic Products Magazine - 1985

Handbook of Research on Big Data Storage and Visualization Techniques - Segall, Richard S. 2018-01-05
The digital age has presented an exponential growth in the amount of data available to individuals looking to draw conclusions based on given or collected information across industries. Challenges associated with the analysis, security, sharing, storage, and visualization of large and complex data sets continue to plague data scientists and analysts alike as traditional data processing applications struggle to adequately manage big data. The Handbook of Research on Big Data Storage and Visualization Techniques is a critical scholarly resource that explores big data analytics and technologies and their role in developing a broad understanding of issues pertaining to the use of big data in multidisciplinary fields. Featuring coverage on a broad range of topics, such as architecture patterns, programing systems, and computational energy, this publication is geared towards professionals, researchers, and students seeking current research and application topics on the subject.

Literary Hybrids - Erika E. Hess 2004-08-02
First Published in 2004. Routledge is an imprint of Taylor & Francis, an informa company.

Eco-Friendly Nano-Hybrid Materials for Advanced Engineering Applications - S. Ananda Kumar 2017-03-27
This new book focuses on eco-friendly nanohybrid. It clearly summarizes the fundamentals and established techniques of synthesis and processing of eco-friendly nanohybrid materials to provide a systematic and coherent picture of synthesis and the processing of nanomaterials. The research on nanotechnology is evolving and expanding very rapidly. Nanotechnology represents an emerging technology that has the potential to have an impact on an incredibly wide number of industries, such as the medical, environmental, and pharmaceutical industries. There is a growing need to develop environmentally friendly processes for corrosion control that do not employ toxic chemicals. This book helps to fill this need. This volume is a comprehensive compilation of several trending research topics, such as fouling, energy-storing devices, water treatment, corrosion, biomaterials, and high performance materials. The topics are approached in an encompassing manner, covering the basics and the recent trends in this area, clearly defining the problems

and suggesting potential solutions. Topics in the book include: Synthesis of complex polymer intermediates Synthesis of nanoparticles and nanofibers Binding interaction between nano- and micromaterials Fabrication of polymer nanocomposites Making of functionally terminated nanohybrid coatings Development of corrosion resistant coatings Antifouling coatings Bioceramic materials Materials for therapeutic and aesthetic applications Eco-Friendly Nano-Hybrid Materials for Advanced Engineering Applications will benefit a wide variety of those in this field, including: Shipping and coating industries encountering fouling problems Innovators in the field of energy storage and electrical equipment Developers of efficient water treatment systems Biomedical industries looking for novel bio-compatible materials Industries seeking high performance epoxy-based materials needed for specific applications

User-Centered Design Strategies for Massive Open Online Courses (MOOCs) - Mendoza-Gonzalez, Ricardo 2016-01-07
In today's society, educational opportunities have evolved beyond the traditional classroom setting. Most universities have implemented virtual learning environments in an effort to provide more opportunities for potential or current students seeking alternative and more affordable learning solutions. User-Centered Design Strategies for Massive Open Online Courses (MOOCs) focuses on the best practices and effective design of student interaction within virtual learning environments. Highlighting strategies from human-computer interaction experiences and user-centered models, as well as emergent approaches and implementation techniques, this reference publication is designed for computer science students, academics, researchers, instructional designers, IT professionals, software developers, and educators interested in mobile technologies, social learning, and educational inclusion.

Understanding Communications Networks – for Emerging Cybernetics Applications - Kaveh Pahlavan 2022-09-01
Information networking has emerged as a multidisciplinary diversified area of research over the past few decades. From traditional wired telephony to cellular voice telephony and from wired access to wireless access to the Internet, information networks have profoundly impacted our lifestyles as they have undergone enormous growth. To understand this technology, students need to learn several disciplines and develop an intuitive feeling of how they interact with one another. To achieve this goal, the book describes important networking standards, classifying their underlying technologies in a logical manner and gives detailed examples of successful applications.The emergence of wireless access and dominance of the Ethernet in LAN technologies has shifted the innovations in networking towards the physical layer and characteristics of the medium. This book pays attention to the physical layer while we provide fundamentals of information networking technologies which are used in wired and wireless networks designed for local and wide area operations. The book provides a comprehensive treatment of the wired IEEE802.3 Ethernet, and Internet as well as ITU cellular 2G-6G wireless networks, IEEE 802.11 for Wi-Fi, and IEEE 802.15 for Bluetooth, ZigBee and ultra-wideband (UWB) technologies. The novelty of the book is that it places emphasis on physical communications issues related to formation and transmission of packets and characteristics of the medium for transmission in variety of networks.Material presented in the book will be beneficial for students of Electrical and Computer Engineering, Computer Science, Robotics Engineering, Biomedical Engineering, or other disciplines who are interested in integration of navigation into their multi-disciplinary projects. The book provides examples with supporting MATLAB codes and hands-on projects throughout to improve the ability of the readers to understand and implement variety of algorithms.

Code of Federal Regulations - United States. Internal Revenue Service 2015
Special edition of the Federal register, containing a codification of documents of general applicability and future effect as of April 1 ... with ancillaries.

Mobile and Ubiquitous Information Access - Fabio Crestani 2004-02-18
This book constitutes the thoroughly refereed post-proceedings of the International Workshop on Mobile and Ubiquitous Information Access held in Udine, Italy in September 2003 during Mobile HCI 2003. Besides selected and revised workshop papers, several papers were specially invited to complete coverage of all relevant issues and extend the volume to a more representative survey of the state of the art in the area. The 21 articles in the book are organized in topical sections on - foundations: concepts, models, and paradigms; - interactions; - applications and experimental evaluations; - context and location.

Smart Cities—Opportunities and Challenges - Sirajuddin Ahmed 2020-04-20
This book comprises select proceedings of the International Conference on Smart Cities: Opportunities and Challenges (ICSC 2019). The book contains chapters based on urban planning and design, policies and financial management, environment, energy, transportation, smart materials, sustainable development, information technologies, data management and urban sociology reflecting the major themes of the conference. The contents focus on current research towards improved governance and efficient management of infrastructure such as water, energy, transportation and housing for sustainable development, economic growth, and improved quality of life, especially for developing nations. This book will be useful for academicians, researchers, and policy makers interested in designing, developing, planning, managing, and maintaining smart cities.

ASP.NET Core Application Development - James Chambers 2016-11-29
This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Through four complete sprints, this book takes you through every step needed to build brand new cross-platform web apps with ASP.NET Core, and make them available on the Internet. You won't just master Microsoft's revolutionary open source ASP.NET Core technology: you'll learn how to integrate the immense power of MVC, Docker, Azure Web Apps, Visual Studio and Visual Studio Code, C#, JavaScript, TypeScript, and Entity Framework. Working through the authors' carefully designed sprints, you'll start with a blank canvas, move through software architecture and design, adjusting to user feedback, recovering from mistakes, builds, testing, deployment, maintenance, refactoring, and more. Along the way, you'll learn techniques for delivering state-of-the-art software to users more rapidly and repeatably than ever before.

Building Hybrid Android Apps with Java and JavaScript - Nizamettin Gok 2013-07-23
Build HTML5-based hybrid applications for Android with a mix of native Java and JavaScript components, without using third-party libraries and wrappers such as PhoneGap or Titanium. This concise, hands-on book takes you through the entire process, from setting up your development environment to deploying your product to an app store. Learn how to create apps that have access to native APIs, such as location, vibrator, sensors, and the camera, using a JavaScript/Java bridge—and choose the language that gives you better performance for each task. If you have experience with HTML5 and JavaScript, you'll quickly discover why hybrid app development is the wave of the future. Set up a development environment with HTML, CSS, and JavaScript tools Create your first hybrid Android project, using Eclipse IDE Use the WebView control to host your hybrid application Explore hybrid application architecture, including JavaScript/Java communication Build single-page applications, using JavaScript libraries such as Backbone and Underscore Get optimization tips and useful snippets for CSS, DOM, and JavaScript Distribute your application to Google Play and the Amazon Appstore

ICONQUHAS 2018 - Yusuf Rahman
Proceedings of the 2nd International Conference on Quran and Hadith Studies Information Technology and Media in Conjunction with the 1st International Conference on Islam, Science and Technology, ICONQUHAS & ICONIST, Bandung, October 2-4, 2018, Indonesia Now-days, Multimedia devices offer opportunities in transforming the Quran and Hadith into different forms of use, and into extended areas of studies. Technology information offers challenges as well as opportunity. Therefore, Faculty of Ushuluddin, UIN (the State Islamic University) Syarif Hidayatullah Jakarta, of UIN Sunan Gunung Djati Bandung, and UIN Maulana Malik Ibrahim Malang held jointly the 2nd International Conference on Qur'an and Hadith Studies (ICONQUHAS 2018) and the 1st International Conference on Islam, Science, and Technology (ICONIST2018), with the theme "Qur'an-Hadith, Information Technology, and Media: Challenges and Opportunities". This conference aims at bringing together scholars and researchers to share their knowledge and their research findings. This publication resulted from the selected papers of these conferences