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INTRODUCTION TO LOUDSPEAKER DESIGN

SECOND EDITION

Introduction to Loudspeaker Design is written for students, technicians, engineers and hobbyists seeking an overview of the technology of loudspeakers. Starting with a brief history of audio developments the book begins by introducing the concepts of frequency, pitch and loudness and proceeds to develop the idea of a loudspeaker as a system. The book covers such topics as loudspeaker design tradeoffs, spatial loading, diffraction loss, cavity effect and enclosure construction. A complete chapter is devoted to the subject of crossover design including design equations. The second edition adds a new chapter on simulation and analysis which includes design equations for closed and vented type speakers. The appendices contain technical references, design aids, glossaries and a chart depicting 18 different loudspeaker enclosure types. The author is a physicist/audio design engineer with over 35 years experience in the research and development of audio products spanning both hardware and software. His WinSpeakerz, TrueRTA and DATS software applications are widely used throughout the audio industry as tools for simulating and measuring loudspeaker performance. Captain Murphy served as a space systems analyst for NORAD during his military career. **Changes for the Second Edition:** The second edition brings new material and polishes the first edition with many new or improved illustrations. Chapter 2 was expanded with the second half split into a new Chapter 3 titled "Speaker Response Functions." The discussion of Thiele-Small parameters has been expanded and now covers small-signal parameters vs. large-signal parameters as it explores the role of the test signal level in parameter measurement. The crossover design chapter has been expanded to include formulas for calculating component values for the most popular crossover types. Equations have been added for calculating impedance compensation and attenuation networks. The old Chapter 7 FAQ material was integrated into other chapters as appropriate. A new Chapter 8 titled "Loudspeaker Simulation" has been added and introduces loudspeaker equivalent circuit analysis with equations for calculating the magnitude and phase responses of closed and vented loudspeaker systems. Additional design equations are introduced and then examples are given for calculating the responses of a closed box and a vented box loudspeaker. Detailed design equation summaries are given for closed and vented boxes. Appendix C was added to provide a glossary of symbols and a glossary of terms. The box type charts were moved to Appendix D.

GUIDE TO RESEARCH TECHNIQUES IN NEUROSCIENCE

Academic Press Modern neuroscience research is inherently multidisciplinary, with a wide variety of cutting edge new techniques to explore multiple levels of investigation. This Third Edition of **Guide to Research Techniques in Neuroscience** provides a comprehensive overview of classical and cutting edge methods including their utility, limitations, and how data are presented in the literature. This book can be used as an introduction to neuroscience techniques for anyone new to the field or as a reference for any neuroscientist while reading papers or attending talks.

- Nearly 200 updated full-color illustrations to clearly convey the theory and practice of neuroscience methods
- Expands on techniques from previous editions and covers many new techniques including in vivo calcium imaging, fiber photometry, RNA-Seq, brain spheroids, CRISPR-Cas9 genome editing, and more
- Clear, straightforward explanations of each technique for anyone new to the field
- A broad scope of methods, from noninvasive brain imaging in human subjects, to electrophysiology in animal models, to recombinant DNA technology in test tubes, to transfection of neurons in cell culture
- Detailed recommendations on where to find protocols and other resources for specific techniques
- "Walk-through boxes that guide readers through experiments step-by-step"

SOCIALITY: THE BEHAVIOUR OF GROUP-LIVING ANIMALS

Springer The last decade has seen a surge of interest among biologists in a range of social animal phenomena, including collective behaviour and social networks. In 'Animal Social Behaviour', authors Ashley Ward and Michael Webster integrate the most up-to-date empirical and theoretical research to provide a new synthesis of the field, which is aimed at fellow researchers and postgraduate students on the topic.

OFFSHORE RENEWABLE ENERGY: OCEAN WAVES, TIDES AND OFFSHORE WIND

MDPI This book is a printed edition of the Special Issue "Offshore Renewable Energy: Ocean Waves, Tides and Offshore Wind" that was published in *Energies*

CLLOUD COMPUTING

PRINCIPLES, SYSTEMS AND APPLICATIONS

Springer Science & Business Media **Cloud computing continues to emerge as a subject of substantial industrial and academic interest. Although the meaning and scope of “cloud computing” continues to be debated, the current notion of clouds blurs the distinctions between grid services, web services, and data centers, among other areas. Clouds also bring considerations of lowering the cost for relatively bursty applications to the fore. Cloud Computing: Principles, Systems and Applications is an essential reference/guide that provides thorough and timely examination of the services, interfaces and types of applications that can be executed on cloud-based systems. The book identifies and highlights state-of-the-art techniques and methods for designing cloud systems, presents mechanisms and schemes for linking clouds to economic activities, and offers balanced coverage of all related technologies that collectively contribute towards the realization of cloud computing. With an emphasis on the conceptual and systemic links between cloud computing and other distributed computing approaches, this text also addresses the practical importance of efficiency, scalability, robustness and security as the four cornerstones of quality of service. Topics and features: explores the relationship of cloud computing to other distributed computing paradigms, namely peer-to-peer, grids, high performance computing and web services; presents the principles, techniques, protocols and algorithms that can be adapted from other distributed computing paradigms to the development of successful clouds; includes a Foreword by Professor Mark Baker of the University of Reading, UK; examines current cloud-practical applications and highlights early deployment experiences; elaborates the economic schemes needed for clouds to become viable business models. This book will serve as a comprehensive reference for researchers and students engaged in cloud computing. Professional system architects, technical managers, and IT consultants will also find this unique text a practical guide to the application and delivery of commercial cloud services. Prof. Nick Antonopoulos is Head of the School of Computing, University of Derby, UK. Dr. Lee Gillam is a Lecturer in the Department of Computing at the University of Surrey, UK.**

ARTIFICIAL INTELLIGENCE AND INDUSTRIAL APPLICATIONS

SMART OPERATION MANAGEMENT

Springer Nature **This book gathers the refereed proceedings of the Artificial Intelligence and Industrial Applications (A2IA'2020), the first installment of an annual international conference organized by the ENSAM-Meknes at Moulay Ismail University, Morocco. The 30 papers presented here were carefully reviewed and selected from 141 submissions by an international scientific committee. They address various aspects of artificial intelligence such as smart manufacturing, smart maintenance, smart supply chain management, supervised learning, unsupervised learning, reinforcement learning, graph-based and semi-supervised learning, neural networks, deep learning, planning and optimization, and other AI applications. The book is intended for AI experts, offering them a valuable overview of the status quo and a global outlook for the future, with many new and innovative ideas and recent important developments in AI applications, both of a foundational and practical nature. It will also appeal to non-experts who are curious about this timely and important subject.**

MASTERING AUDIO

THE ART AND THE SCIENCE

Focal Press **Bob Katz explains audio concepts in a simple, holistic manner in this guide to producing a compact disc from scratch. With the advent of cheap computers many amateurs are interested in learning this skill but the book will also interest professionals for its many useful tips and hints.**

50 YEARS OF OCEAN DISCOVERY

NATIONAL SCIENCE FOUNDATION 1950-2000

National Academies Press **This book describes the development of ocean sciences over the past 50 years, highlighting the contributions of the National Science Foundation (NSF) to the field's progress. Many of the individuals who participated in the exciting discoveries in biological oceanography, chemical oceanography, physical oceanography, and marine geology and geophysics describe in the book how the discoveries were made possible by combinations of insightful individuals, new technology, and in some cases, serendipity. In addition to describing the advance of ocean science, the book examines the institutional structures and technology that made the advances possible and presents visions of the field's future. This book is the first-ever documentation of the history of NSF's Division of Ocean Sciences, how the structure of the division evolved to its present form, and the individuals who have been responsible for ocean sciences at NSF as “rotators” and career staff over the past 50 years.**

AUDITORY TRAINING

Alex Graham Bell Assn for Deaf

NEURAL CONTROL OF SPEECH

MIT Press **A comprehensive and unified account of the neural computations underlying speech production, offering a**

theoretical framework bridging the behavioral and the neurological literatures. In this book, Frank Guenther offers a comprehensive, unified account of the neural computations underlying speech production, with an emphasis on speech motor control rather than linguistic content. Guenther focuses on the brain mechanisms responsible for commanding the musculature of the vocal tract to produce articulations that result in an acoustic signal conveying a desired string of syllables. Guenther provides neuroanatomical and neurophysiological descriptions of the primary brain structures involved in speech production, looking particularly at the cerebral cortex and its interactions with the cerebellum and basal ganglia, using basic concepts of control theory (accompanied by nontechnical explanations) to explore the computations performed by these brain regions. Guenther offers a detailed theoretical framework to account for a broad range of both behavioral and neurological data on the production of speech. He discusses such topics as the goals of the neural controller of speech; neural mechanisms involved in producing both short and long utterances; and disorders of the speech system, including apraxia of speech and stuttering. Offering a bridge between the neurological and behavioral literatures on speech production, the book will be a valuable resource for researchers in both fields.

ADVANCES IN NOISE ANALYSIS, MITIGATION AND CONTROL

BoD - Books on Demand The adverse impacts from excess noise on human health and daily activities have accelerated at an alarming rate over the last few decades. This has prompted significant research into noise attenuation and mitigation of these unwanted effects. This book is a collection of works from eminent researchers from around the world, who address the aforementioned issues. It provides the most up-to-date information on current work being conducted in the field of noise pollution and is of value to a wide range of students, engineers, scientists and industry consultants who wish to further understand current methodologies and emerging concepts.

MAGNETIC TAPE STORAGE AND HANDLING

A GUIDE FOR LIBRARIES AND ARCHIVES

Washington, D.C. : Commission on Preservation and Access This document provides a guide on how to properly store and care for magnetic media to maximize their life expectancies. An introduction compares magnetic media to paper and film and outlines the scope of the report. The second section discusses things that can go wrong with magnetic media. Binder degradation, magnetic particle instabilities, substrate deformation, magnetic tape recorders; and format issues are highlighted in this section. The third and fourth sections cover preventing information loss with multiple tape copies, costs, and how long magnetic media will last. In the fifth section, care and handling, storage conditions and standards, and refreshing of tapes are described for preventing magnetic tape from degrading prematurely. An appendix provides the Ampex Guide to the Care and Handling of Magnetic Tape, an estimation of life expectancies, sources for further reading, resources for transfer and restoration of video and audio tape, and a glossary. (AEF)

CATALOGUE OF DELTA UPSILON, 1917

AUDIO IN MEDIA

THE RECORDING STUDIO

Schirmer Books Addresses audio production and recording as it relates to music, covering topics such as acoustics and use of recording studio equipment.

ACHTUNG-PANZER!

THE DEVELOPMENT OF ARMoured FORCES, THEIR TACTICS AND OPERATIONAL POTENTIAL

Arms & Armour This is one of the most significant military books of the twentieth century. By an outstanding soldier of independent mind, it pushed forward the evolution of land warfare and was directly responsible for German armoured supremacy in the early years of the Second World War. Published in 1937, the result of 15 years of careful study since his days on the German General Staff in the First World War, Guderian's book argued, quite clearly, how vital the proper use of tanks and supporting armoured vehicles would be in the conduct of a future war. When that war came, just two years later, he proved it, leading his Panzers with distinction in the Polish, French and Russian campaigns. Panzer warfare had come of age, exactly as he had forecast. This first English translation of Heinz Guderian's classic book - used as a textbook by Panzer officers in the war - has an introduction and extensive background notes by the modern English historian Paul Harris.

NETLAB

ALGORITHMS FOR PATTERN RECOGNITION

Springer Science & Business Media This volume provides students, researchers and application developers with the knowledge and tools to get the most out of using neural networks and related data modelling techniques to solve pattern recognition problems. Each chapter covers a group of related pattern recognition techniques and includes a range of examples to show how these techniques can be applied to solve practical problems. Features of particular interest include: - A NETLAB toolbox which is freely available - Worked examples, demonstration programs and over 100 graded exercises - Cutting edge research made accessible for the first time in a highly usable form - Comprehensive coverage of visualisation methods, Bayesian techniques for neural networks and Gaussian Processes

Although primarily a textbook for teaching undergraduate and postgraduate courses in pattern recognition and neural networks, this book will also be of interest to practitioners and researchers who can use the toolbox to develop application solutions and new models. "...provides a unique collection of many of the most important pattern recognition algorithms. With its use of compact and easily modified MATLAB scripts, the book is ideally suited to both teaching and research." Christopher Bishop, Microsoft Research, Cambridge, UK "...a welcome addition to the literature on neural networks and how to train and use them to solve many of the statistical problems that occur in data analysis and data mining" Jack Cowan, Mathematics Department, University of Chicago, US "If you have a pattern recognition problem, you should consider NETLAB; if you use NETLAB you must have this book." Keith Worden, University of Sheffield, UK

BEGINNING PL/SQL

FROM NOVICE TO PROFESSIONAL

[Apress](#) **Beginning PL/SQL** is a fast-paced and blissfully short introduction to Oracle's PL/SQL language. PL/SQL is the built-in language that every Oracle developer and database administrator simply must know. The book shows readers how to apply object-oriented PL/SQL to production applications. No other book on PL/SQL does this. It gives the reader practical advice on what works and what doesn't, and advises on the performance tradeoffs between doing work in SQL versus in PL/SQL. This book gets readers up-to-speed on the core of the language without wasting time on esoteric and seldom used syntax.

NODE.JS WEB DEVELOPMENT

SERVER-SIDE DEVELOPMENT WITH NODE 10 MADE EASY, 4TH EDITION

[Packt Publishing Ltd](#) Create real-time applications using Node.js 10, Docker, MySQL, MongoDB, and Socket.IO with this practical guide and go beyond the developer's laptop to cover live deployment, including HTTPS and hardened security. Key Features Learn server-side JavaScript coding through the most up-to-date book on Node.js Explore the latest JavaScript features, and EcmaScript modules Walk through different stages of developing robust applications using Node.js 10 Book Description Node.js is a server-side JavaScript platform using an event-driven, non-blocking I/O model allowing users to build fast and scalable data-intensive applications running in real time. This book gives you an excellent starting point, bringing you straight to the heart of developing web applications with Node.js. You will progress from a rudimentary knowledge of JavaScript and server-side development to being able to create, maintain, deploy and test your own Node.js application. You will understand the importance of transitioning to functions that return Promise objects, and the difference between fs, fs/promises and fs-extra. With this book you'll learn how to use the HTTP Server and Client objects, data storage with both SQL and MongoDB databases, real-time applications with Socket.IO, mobile-first theming with Bootstrap, microservice deployment with Docker, authenticating against third-party services using OAuth, and use some well known tools to beef up security of Express 4.16 applications. What you will learn Install and use Node.js 10 for both development and deployment Use the Express 4.16 application framework Work with REST service development using the Restify framework Use data storage engines such as MySQL, SQLITE3, and MongoDB Use User authentication methods with OAuth2 Perform Real-time communication with the front-end using Socket.IO Implement Docker microservices in development, testing and deployment Perform unit testing with Mocha 5.x, and functional testing with Puppeteer 1.1.x Work with HTTPS using Let's Encrypt, and application security with Helmet Who this book is for This book is for anybody looking for an alternative to the "P" languages (Perl, PHP, and Python), or anyone looking for a new paradigm of server-side application development. You should have at least a rudimentary understanding of JavaScript and web application development.

ENDOMETRIOSIS IN ADOLESCENTS

A COMPREHENSIVE GUIDE TO DIAGNOSIS AND MANAGEMENT

[Springer Nature](#) Adolescent endometriosis is a previously overlooked disease in children, the true prevalence of which is still unknown but has been estimated between 19-73%. There are numerous initial challenges faced by adolescents suffering from delayed or undiagnosed endometriosis apart from experiencing chronic pain, such as: school/work absenteeism, false diagnoses/treatments, erroneous physician referrals, unnecessary radiological studies, radiation exposure, and emergency room visits as well as early exposure to narcotic pain medications and subsequent drug tolerance, resistance or even addiction. This text presents a clear history of physician and patient understanding and awareness of endometriosis in adolescents. It lays the groundwork for this condition with background information on endometriosis in general followed by a more focused look at endometriosis in adolescents. Leading experts in the field provide chapters on the different locations where endometriotic lesions can present in adolescents as well as identified risk factors and concomitant diseases of which it is important to be aware. In addition to the clinical presentation, this book also provides information on breaking down existing barriers, such as stigma, and current activism and awareness of this condition. Adolescent Endometriosis is a first-of-its-kind text that focuses exclusively on endometriosis in the adolescent population. Written by experts in the field, this book is a comprehensive resource for clinicians in all medical disciplines that treat adolescent age girls.

SPEECH LEVELS IN VARIOUS NOISE ENVIRONMENTS

HOUSING, LAND, AND PROPERTY RIGHTS IN POST-CONFLICT UNITED NATIONS AND OTHER PEACE OPERATIONS

A COMPARATIVE SURVEY AND PROPOSAL FOR REFORM

[Cambridge University Press](#) This book is about the UN's role in housing, land, and property rights in countries after violent conflict.

DOCKER AND KUBERNETES FOR JAVA DEVELOPERS

[Packt Publishing Ltd](#) Leverage the lethal combination of Docker and Kubernetes to automate deployment and management of Java applications About This Book Master using Docker and Kubernetes to build, deploy and manage Java applications in a jiff Learn how to create your own Docker image and customize your own cluster using Kubernetes Empower the journey from development to production using this practical guide. Who This Book Is For The book is aimed at Java developers who are eager to build, deploy, and manage applications very quickly using container technology. They need have no knowledge of Docker and Kubernetes. What You Will Learn Package Java applications into Docker images Understand the running of containers locally Explore development and deployment options with Docker Integrate Docker into Maven builds Manage and monitor Java applications running on Kubernetes clusters Create Continuous Delivery pipelines for Java applications deployed to Kubernetes In Detail Imagine creating and testing Java EE applications on Apache Tomcat Server or Wildfly Application server in minutes along with deploying and managing Java applications swiftly. Sounds too good to be true? But you have a reason to cheer as such scenarios are only possible by leveraging Docker and Kubernetes. This book will start by introducing Docker and delve deep into its networking and persistent storage concepts. You will then proceed to learn how to refactor monolith application into separate services by building an application and then packaging it into Docker containers. Next, you will create an image containing Java Enterprise Application and later run it using Docker. Moving on, the book will focus on Kubernetes and its features and you will learn to deploy a Java application to Kubernetes using Maven and monitor a Java application in production. By the end of the book, you will get hands-on with some more advanced topics to further extend your knowledge about Docker and Kubernetes. Style and approach An easy-to-follow, practical guide that will help Java developers develop, deploy, and manage Java applications efficiently.

F-M SIMPLIFIED

CONTINUOUS DELIVERY WITH DOCKER AND JENKINS

[Packt Publishing Ltd](#) Unleash the combination of Docker and Jenkins in order to enhance the DevOps workflow About This Book Build reliable and secure applications using Docker containers. Create a complete Continuous Delivery pipeline using Docker, Jenkins, and Ansible. Deliver your applications directly on the Docker Swarm cluster. Create more complex solutions using multi-containers and database migrations. Who This Book Is For This book is indented to provide a full overview of deep learning. From the beginner in deep learning and artificial intelligence to the data scientist who wants to become familiar with Theano and its supporting libraries, or have an extended understanding of deep neural nets. Some basic skills in Python programming and computer science will help, as well as skills in elementary algebra and calculus. What You Will Learn Get to grips with docker fundamentals and how to dockerize an application for the Continuous Delivery process Configure Jenkins and scale it using Docker-based agents Understand the principles and the technical aspects of a successful Continuous Delivery pipeline Create a complete Continuous Delivery process using modern tools: Docker, Jenkins, and Ansible Write acceptance tests using Cucumber and run them in the Docker ecosystem using Jenkins Create multi-container applications using Docker Compose Managing database changes inside the Continuous Delivery process and understand effective frameworks such as Cucumber and Flyweight Build clustering applications with Jenkins using Docker Swarm Publish a built Docker image to a Docker Registry and deploy cycles of Jenkins pipelines using community best practices In Detail The combination of Docker and Jenkins improves your Continuous Delivery pipeline using fewer resources. It also helps you scale up your builds, automate tasks and speed up Jenkins performance with the benefits of Docker containerization. This book will explain the advantages of combining Jenkins and Docker to improve the continuous integration and delivery process of app development. It will start with setting up a Docker server and configuring Jenkins on it. It will then provide steps to build applications on Docker files and integrate them with Jenkins using continuous delivery processes such as continuous integration, automated acceptance testing, and configuration management. Moving on you will learn how to ensure quick application deployment with Docker containers along with scaling Jenkins using Docker Swarm. Next, you will get to know how to deploy applications using Docker images and testing them with Jenkins. By the end of the book, you will be enhancing the DevOps workflow by integrating the functionalities of Docker and Jenkins. Style and approach The book is aimed at DevOps Engineers, developers and IT Operations who want to enhance the DevOps culture using Docker and Jenkins.

THE CHEMISTRY AND BIOLOGY OF VOLATILES

[John Wiley & Sons](#) "Coming to a conclusion, this wonderful, informative and very interesting book presents an excellent overview of small volatile organic compounds and their role in our life and environment. Really fascinating is the entirety of scientific disciplines which were addressed by this book." -Flavour and Fragrance Journal, 2011 "... this book deserves to be a well-used reference in the library of any laboratory specialising in VOC". -Chemistry World, 2011 Volatile compounds are molecules with a relatively low molecular weight allowing for an efficient evaporation into the

air. They are found in many areas of our everyday-life: they are responsible for the communication between species such as plants, insects or mammals; they serve as flavours or fragrances in many food products or perfumed consumer articles; and they play an important role in atmospheric chemistry. This book takes an interdisciplinary approach to volatile molecules. Review-style introductions to the main topics in volatile chemistry and biology are provided by international experts, building into a broad overview of this fascinating field. Topics covered include: The structural variety of volatile compounds Biogeneration of volatiles Synthesis of natural and non-natural volatiles Analysis of volatiles Volatile compounds as semiochemicals in plant-plant or plant-insect interactions Volatiles in pest control Pheromones and the influence of volatiles on mammals Olfaction and human perception Volatiles as fragrances The generation of flavours and food aroma compounds Stabilisation and controlled release of volatiles The impact of volatiles on the environment and the atmosphere

INDEX; 1899

[Legare Street Press](#) This work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. To ensure a quality reading experience, this work has been proofread and republished using a format that seamlessly blends the original graphical elements with text in an easy-to-read typeface. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

CAPTURING ANALOG SOUND FOR DIGITAL PRESERVATION

REPORT OF A ROUNDTABLE DISCUSSION OF BEST PRACTICES FOR TRANSFERRING ANALOG DISCS AND TAPES, MARCH 2006

The report investigates "procedures to reformat sound on analog carriers to digital media or files. It summarizes discussions and recommendations emerging from a meeting of leading audio preservation engineers held January 29-30, 2004, to assess the present state of standards and best practices for capturing sound from analog discs and tapes"--Page v.

GLOBAL OCEAN SCIENCE

TOWARD AN INTEGRATED APPROACH

[National Academies Press](#) During recent years, large-scale investigations into global climate change and other highly visible issues have taken the lion's share of declining research funds. At the same time, funding for basic research in such core disciplines as physical oceanography, biological oceanography, chemical oceanography, and marine geology has dwindled. Global Ocean Science examines how the largest U.S. ocean research programs, such as the Ocean Drilling Program (ODP) and the Joint Global Ocean Flux Study (JGOFS), have significantly contributed to our understanding of the oceans. The book examines the impact of these programs on research, education, and collegiality within this diverse scientific community and offers recommendations to help ensure a vital future for ocean science, including: Specific results of the programs such as data collected, conceptual breakthroughs, information published, demonstrable use of program products, incorporation of new knowledge into education, and contribution to policymaking and decisionmaking by federal agencies. Mechanisms for efficiently identifying knowledge gaps and research questions, strategic planning of research programs, managing competitive proposals, securing needed resources, and more. This practical book will be welcomed by ocean investigators, users of oceanographic research findings, policymakers, administrators, educators, and students.

PRO MERN STACK

FULL STACK WEB APP DEVELOPMENT WITH MONGO, EXPRESS, REACT, AND NODE

[Apress](#) Assemble the complete stack required to build a modern web app using MongoDB, Express, React, and Node. This book also covers many other complementary tools: React Router, GraphQL, React-Bootstrap, Babel, and Webpack. This new edition will use the latest version of React (React 16) and the latest React Router (React Router 4), which has a significantly different approach to routing compared to React Router 2 which was used in the first edition of the book. Though the primary focus of Pro MERN Stack is to equip you with all that is required to build a full-fledged web application, a large portion of the book will be devoted to React 16. The popular MEAN (MongoDB, Express, AngularJS, Node) stack introduced Single Page Apps (SPAs) and front-end Model-View-Controller (MVC) as new and efficient paradigms. Facebook's React is a technology that competes indirectly with AngularJS. It is not a full-fledged MVC framework. It is a JavaScript library for building user interfaces (in some sense the View part). Yet, it is possible to build a web app by replacing AngularJS with React - hence the term MERN stack What You Will Learn Discover the features of React 16 to get the maximum out of this library Gain the basics of MongoDB, Express, and Node to build a web app Work with other libraries complementary to React, including React-Bootstrap, React Router, and GraphQL Use tools such as Babel and Webpack required to build JavaScript-based SPAs Tie all the components together to build a complete web app. Who This Book Is For Developers and architects who have prior experience in any web app stack other than the MERN stack will find the book useful to learn about this modern stack. Prior knowledge of JavaScript,

HTML, and CSS is required.

WAITING FOR YESTERDAY

A FUNTASY TALE

Xlibris Corporation James and Katie Falcon are astonished when a Time Ship appears in the cellar with their long-deceased ancestor Captain Horatio Falcon at the helm. The Ship includes a fresh food supply of two cows. Pandemonium breaks out when Great-Aunt Dorothea is faced with a cow in her lounge. The spooked second cow stumbles into the Time Ship's controls, despatching the Ship into the past at 'Lost Island'. But it is swarming with bloodthirsty treasure-seeking pirates and the crew's odds of survival appear impossible. Then the youngsters discover the Time Ship's mysterious source of power and the odds of their survival and their future change spectacularly.

ARSC GUIDE TO AUDIO PRESERVATION

THE SHRIMP BOOK

Nottingham University Press A comprehensive source of information on all aspects of shrimp production, this reference covers not only the global status of shrimp farming, but also examines shrimp anatomy and physiology. From nutrition to health management and harvesting issues to biosecurity, this well-researched volume evaluates existing knowledge, proposes new concepts, and questions common practices. With an extensive review on worldwide production systems, this compilation will be highly relevant to research scientists, students, and shrimp producers.

BIG DATA

EJE ESTRATÉGICO EN LA INDUSTRIA AUDIOVISUAL

Editorial UOC El big data, entendido como la gestión y el almacenamiento masivo de datos, es una tendencia por explotar a día de hoy. La industria audiovisual, consciente de ello, empieza a orientar estrategias de negocio con ideas de personalización de contenidos, segmentación de perfiles o predicción de tendencias. Comprender todas las posibilidades que nos ofrece el big data supone entender las dinámicas internas del negocio, así como las fuentes de datos de las que podemos extraer información y la interacción que podemos realizar con ellas. Y también nos permite formular mejores preguntas y tomar decisiones acertadas. Este libro ofrece un recorrido por el proceso de gestión de datos en la empresa, con introducción de explicaciones técnicas y especial atención a la toma de decisiones del business intelligence.

A CAMPFIRE CONVERSATION

A true story of an Ole' Bachelor helping a child.

RESOURCE ENHANCEMENT AND SUSTAINABLE AQUACULTURE PRACTICES IN SOUTHEAST ASIA

CHALLENGES IN RESPONSIBLE PRODUCTION OF AQUATIC SPECIES : PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON RESOURCE ENHANCEMENT AND SUSTAINABLE AQUACULTURE PRACTICES IN SOUTHEAST ASIA 2014 (RESA)

"In order to promote and augment regional initiatives on resource enhancement and sustainable aquaculture practices, and to contribute to poverty alleviation, livelihood and food security, the SEAFDEC Aquaculture Department held the International Workshop on Resource Enhancement and Sustainable Aquaculture Practices in Southeast Asia in 2014. Papers from two plenary speakers, reports from SEAFDEC member countries' representatives as well as contributed papers on sustainable aquaculture and resource enhancement in the region were presented and are now compiled in this conference proceedings. Finally, SEAFDEC/AQD acknowledges the Government of Japan for fully supporting the workshop and this publication"--Preface.

ANTENNAS AND RADIOWAVE PROPAGATION

McGraw-Hill College Good, No Highlights, No Markup, all pages are intact, Slight Shelfwear, may have the corners slightly dented, may have slight color changes/slightly damaged spine.

JUNIOR THEORY LEVEL 1

Junior Theory Level 1 - a foundational music theory book specifically designed for children aged 4-7.

IOLAB

W. H. Freeman IOLab is a handheld data-gathering device that communicates wirelessly to its software, and gives students a unique opportunity to see the concepts of physics in action. Students gain hands-on experience and watch their data graphed in real time. This can happen anywhere you have an IOLab device and a laptop: in the lab, in the classroom, in the dorm room, or in your basement. IOLab is flexible and makes it easy for instructors to design and implement virtually any experiment they want to assign their students or demonstrate in lecture.

BREAKING INTO BANKING

CRACKING THE CODE ON LAUNCHING A SUCCESSFUL CAREER IN COMMERCIAL BANKING

"Considering commercial banking as a new career? Then this book is for you! Whether you are in school preparing to graduate or already employed in another field, you can successfully transition into banking and enjoy a lucrative career. This information will help you do it. Written as a personal conversation between the author and you, Andy Keusal shares the secrets of getting hired, learning the ropes, mastering the basics, and understanding how to put all of the pieces together. This quick and enjoyable read will help you distinguish yourself from other candidates and hit the ground running in your new job."--Back cover.

PRIVACY AND FREEDOM

Ig Pub **A landmark text on privacy in the information age.**