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Microfluidic Cell Culture Systems IOS Press
The book discusses the underlying physical principles of piezoelectric materials, important properties of ferroelectric/piezoelectric materials used in today's transducer technology, and the principles used in transducer design. It provides examples of a wide range of applications of such materials along with the appertaining rationales. With contributions from distinguished researchers, this is a comprehensive reference on all the pertinent aspects of piezoelectric materials.

Designing and Evaluating Usable Technology in Industrial Research Createspace Independent Publishing Platform
"Learn strategies for sketching, wireframing, and designing effective layouts; Break down a Drupal layout to understand its basic components; Understand Drupal's theme layer, and what to look for in a base theme; Work with the 960 grid system to facilitate efficient wireframing and theming; Manage Drupal markup, including the code generated by the powerful Views module; Use LessCSS to organize CSS and help you theme your site more efficiently"--P. [4] of cover.

Design and Make Your Own Contemporary Sampler Quilt Elsevier Science Limited
"Since the introduction of CUDA in 2007, more than 100 million computers with CUDA capable GPUs have been shipped to end users. GPU computing application developers can now expect their application to have a mass market. With the introduction of OpenCL in 2010, researchers can now expect to develop GPU applications that can run on hardware from multiple vendors"--

Computer Security – ESORICS 2019 Morgan & Claypool Publishers
This edited book explores the use of technology to enable us to visualise the life sciences in a more meaningful and engaging way. It will enable those interested in visualisation techniques to gain a better understanding of the applications that can be used in visualisation, imaging and analysis, education, engagement and training. The reader will be able to explore the utilisation of technologies from a number of fields to enable an engaging and meaningful visual representation of the biomedical sciences, with a focus in this volume related to anatomy, and clinically applied scenarios. The first six chapters have an anatomical focus examining digital technologies and applications to enhance education. The first examines the history and development of ultrasound, applications in an educational setting, and as a point-of-care ultrasound at the bedside. The second chapter presents a transferable workflow methodology in creating an interactive educational and training package to enhance understanding of the circadian rhythm. The third chapter reviews tools and technologies, which can be used to enhance off-campus learning, and the current range of visualisation technologies like virtual, augmented and mixed reality systems. Chapter four discusses how scanning methodologies like CT imagery, can make stereoscopic models. The fifth chapter describes a novel way to reconstruct 3D anatomy from imaging datasets and how to build statistical 3D shape models, described in a clinical context and applied to diagnostic disease scoring. The sixth chapter looks at interactive visualisations of atlases in the creation of a virtual resource, for providing next generation interfaces. The seventh and eight chapters discuss neurofeedback for mental health education and interactive visual data analysis (applied to irritable bowel disease) respectively. The final two

chapters examine current immersive technologies –virtual and augmented reality, with the last chapter detailing virtual reality in patients with dementia. This book is accessible to a wide range of users from faculty and students, developers and computing experts, the wider public audience. It is hoped this will aid understanding of the variety of technologies which can be used to enhance understanding of clinical conditions using modern day methodologies.

Parkinson's Disease, Second Edition "O'Reilly Media, Inc."
REIMAGINING RACIAL DIFFERENCE explores the deep spaces of race beyond the socio-historical constructs that are responsible for systematic inequality. Surprising new dimensions of humanity are exposed by the resulting perspective. Color photos

Biomedical Visualisation Elsevier
This title introduces and guides the reader through Genesis, a simulation and modeling software tool that is delivered on-line via the Internet from a California Institute of Technology file server. It contains a contribution of models and simulations, plus step-by-step tutorials. 50 illustrations. Approx.
Extracellular Matrix in Development and Disease Springer Nature
Making Sense of Vascular Ultrasound CRC Press
Metafun Peachpit Press
This handbook provides a glimpse of the research that is underway in smart cities, with an examination of the relevant issues. It describes software infrastructures for smart cities, the role of 5G and Internet of things in future smart cities scenarios, the use of clouds and sensor-based devices for monitoring and managing smart city facilities, a variety of issues in the emerging field of urban informatics, and various smart city applications. Handbook of Smart Cities includes fifteen chapters from renowned worldwide researchers working on various aspects of smart city scale cyber-physical systems. It is intended for researchers, developers of smart city technologies and advanced-level students in the fields of communication systems, computer science, and data science. This handbook is also designed for anyone wishing to find out more about the on-going research thrusts and deployment experiences in smart cities. It is meant to provide a snapshot of the state-of-the-art at the time of its writing in several software services and cyber infrastructures as pertinent to smart cities. This handbook presents application case studies in video surveillance, smart parking, and smart building management in the smart city context. Unique experiences in designing and implementing the applications or the issues involved in developing smart city level applications are described in these chapters. Integration of machine learning into several smart city application scenarios is also examined in some chapters of this handbook.

Reimagining Racial Difference "O'Reilly Media, Inc."
Get ready for the TExES Core Subjects EC-6 Mathematics Test with a PERFECT Math Workbook! TExES Core Subjects EC-6 Mathematics (802) Exercise Book 2020-2021, which reflects the 2020 - 2021 test guidelines, represents extensive exercises, math problems, sample TExES questions, and quizzes with answers and detailed solutions to help you hone your math skills, overcome your exam anxiety, boost your confidence—and do your best to ace the TExES Math test. The surest way to succeed on the TExES Math Test is with intensive practice in every math concept tested—and that's what you will get in TExES Core Subjects EC-6 Mathematics (802) Exercise Book 2020-2021. Not only does this comprehensive exercise book review all math topics you will need to defeat the TExES Math test, but it also offers two full-length and realistic TExES Math tests that reflect the format and question types on the TExES to help you check your exam-readiness and identify where you need more practice. This comprehensive exercise book for the Math section of the TExES test contains many exciting and unique features to help you improve your test scores, including: Content 100% aligned with the 2020 TExES Core Subjects EC-6 Mathematics Complete coverage of all TExES Math concepts and topics which you will be tested Numerous TExES math practice questions in both multiple-choice and grid-in formats with answers grouped by topic, so you can focus on your weak areas Abundant Math skill-building exercises to help test-takers approach different question types that might be

unfamiliar to them 2 full-length practice tests (featuring new question types) with detailed answers TExES Core Subjects EC-6 Mathematics (802) Exercise Book 2020-2021 and other Effortless Math Education books are used by thousands of test-takers each year to help them review core content areas, brush-up in math, discover their strengths and weaknesses, and achieve their best scores on the TExES test. Visit www.EffortlessMath.com for Online Math Practice
2019 2nd International Conference on Electrical Materials and Power Equipment (ICEMPE) Effortless Math Education www.EffortlessMath.com
A physician who is treating a patient confronts a complex and incompletely understood living system that is sensitive to pain. An engineer or programmer who develops a new device, on the other hand, operates within the less emotional domains of materials and mathematics. The Medicine Meets Virtual Reality (MMVR) conference brings together physicians, scientists, engineers, educators, students, and others to bridge the gap between clinicians and technologists, and to create collaborative solutions to healthcare challenges. This book presents the proceedings of the Medicine Meets Virtual Reality conference (MMVR19), held in Newport Beach, California, USA, in February 2012. It includes papers on modeling and simulation, imaging, data visualization and fusion, haptics, robotics, telemedicine and medical intelligence networking, virtual and augmented reality, psychotherapy and physical rehabilitation tools, serious games, and other topics. MMVR stimulates interaction between developers and end users and promotes unorthodox problem-solving as a complement to rigorous scientific methodology. This book will interest all who are involved with the future of medicine. close
Handbook of Smart Cities Que Pub
1 Dielectric phenomenon conduction, polarization, breakdown and space charge 2 Performance, composition and structure of insulating materials including nanocomposite, ecofriendly dielectrics and biodielectrics 3 Fabrication, detection, operation and assessment of power equipment including cable, motor, transformer, GIS, HVDC etc 4 Electrical insulation techniques under extreme conditions High temperature, high pressure, high vacuum, electrical insulation in space 5 Others including treeing, ageing, life assessment, modeling and simulations, measurement techniques etc
Upgrading and Repairing Laptops Springer
You held off on moving to Mac OS X until your bread-and-butter applications made the jump, and now you're thinking of moving up to Tiger. This book is especially geared toward designers who've become comfortable working under Mac OS X and are ready now to make the Tiger transition. Designer and prepress pro Jeff Gamet focuses on the Mac OS X Tiger features that matter most to illustrators, designers, and other graphic professionals. He explains not only how things work in Mac OS X Tiger, but how Tiger enables users to work efficiently and effectively. In chapters devoted to fonts, printing, PDF, color management, networking, the Mac's built-in design tools, and much more, readers will learn how to: * Solve the nitty-gritty issues designers confront daily * Improve production workflow and avoid common problems * Optimize, maintain, and secure your network, whether you work in a complex office environment or a small graphics studio

GPU Computing Gems Jade Edition Semsoli
Rembrandt Planner 2021 (The Return of the Prodigal Son) Schedule Each Appointment and Stay Organized in 2021! Would you like to: - See your schedule at a glance? - Have a clear overview of your to-do list? Then look no further... This beautiful Daily Planner 2021 lets you keep track of everything you care about. Get This 2021 Monthly Planner and Start Organizing Your Life This stylish agenda scheduler will make things easy. Take back control of your time, to do what really matters. This is What You Can Use This Planner For: - Keep track of appointments - Birthdays of loved ones - Meetings at the office - Family events - Medical visits - Holidays Basically, anything you want to plan! What Will You Get If You Buy This 2021 Year Planner? - 2021 Calendar: January - December - Monthly calendar spread (2 pages!), giving you a birds-eye view of each month - For every day, space to write down your goals, tasks, and appointments - Large size: lots of space to write + quick overview of your schedule - Perfect bound and printed on high-quality durable paper - Soft, premium cover So, would you like to be on top of things in 2021? Then don't wait any longer and click the 'Buy' button to get this 2021 planner.

Financial Sales Assistant Because Halloween Lover Is Not an Official Job Title Springer Verlag
Recently, new research efforts emerged on the edge between software compilation and hardware synthesis, to develop high-quality code generation tools for embedded processors. Code

Generation for Embedded Processors provides a survey of these new developments. Although not limited to these targets, the main emphasis is on code generation for modern DSP processors.

POWER7 and POWER7+ Optimization and Tuning Guide
William Andrew

Provides information on how to upgrade, maintain, and troubleshoot the hardware of laptop computers, discussing the differences among them as well as their various configuration options.

Deep Shadows Springer

This research report analyses the impact of information technology on policing, using the QPS as a case study. It examines the extent to which the implementation of information technology has modified the accountability structure and the occupational culture of policing and whether information technology has significantly altered police practices at the street, supervisory and management levels.

Biomedical Visualisation Springer Nature

In Relax Island, people did only that - relax. All work was carried out by foreigners who flocked to this prosperous land. And the native youth were corrupted by their presence. To mend their ways, a film censor board was set up, consisting of an actress, a tailor, a religious head, an old and pious shop keeper, a sexually starved male teacher and an ex-principal, who was a confirmed spinster. How they react to the erotic scenes and the subsequent personality changes forms the crux of this novel.

Speed Behaviour and Drivers' Attitude to Speeding
Courier Corporation

The two volume set, LNCS 11735 and 11736, constitutes the proceedings of the 24th European Symposium on Research in Computer Security, ESORIC 2019, held in Luxembourg, in September 2019. The total of 67 full papers included in these proceedings was carefully reviewed and selected from 344 submissions. The papers were organized in topical sections named as follows: Part I: machine learning; information leakage; signatures and re-encryption; side channels; formal modelling and verification; attacks; secure protocols; useful tools; blockchain and smart contracts. Part II: software security; cryptographic protocols; security models; searchable encryption; privacy; key exchange protocols; and web security.

Medicine Meets Virtual Reality 19 Harvest House Publishers

This book is about HCI research in an industrial research setting. It is based on the experiences of two researchers at the IBM T. J. Watson Research Center. Over the last two decades, Drs. John and Clare-Marie Karat have conducted HCI research to create innovative usable technology for users across a variety of domains. We begin the book by introducing the reader to the context of industrial research as well as a set of common themes or guidelines to consider in conducting HCI research in practice. Then case study examples of HCI approaches to the design and evaluation of usable solutions for people are presented and discussed in three domain areas: - item Conversational speech technologies, - item Personalization in eCommerce, and - item Security and privacy policy management technologies In each of the case studies, the authors illustrate and discuss examples of HCI approaches to design and evaluation that worked well and those that did not. They discuss what was learned over time about different HCI methods in practice, and changes that were made to the HCI tools used over time. The Karats discuss trade-offs and issues related to time, resources, and money and the value derived from different HCI methods in practice. These decisions are ones that need to be made regularly in the industrial sector. Similarities and differences with the types of decisions made in this regard in academia will be discussed. The authors then use the context of the three case studies in the three research domains to draw insights and conclusions about the themes that were introduced in the beginning of the book. The Karats conclude with their perspective about the future of HCI industrial research. Table of Contents: Introduction: Themes and Structure of the Book / Case Study 1: Conversational Speech Technologies: Automatic Speech Recognition (ASR) / Case Study 2: Personalization in eCommerce / Case Study 3: Security and Privacy Policy Management Technologies / Insights and Conclusions / The Future of Industrial HCI Research
Springer

A guide to the failings of Windows 98 explains how to customize the system so as to avoid the inconvenience of software applications that overwrite file associations, repetitive warning screens, and unused icons crowding the desktop