

Life Science March2014 Common Paper Kzn

This Special Issue presents selected papers from the 8th Symposium on Micro-Nano Science and Technology on Micromachines, 31 October-2 November, 2017, in Hiroshima, Japan. We encouraged contributions of significant and original works in order to deeply understand physical, chemical, and biological phenomena at the micro/nano scale and to develop applied technologies. The conference covered the following main topics: 1: Precision machinery lubrication design 2: Material dynamics strength 3: Hydrodynamics 4: Thermal engineering 5: Production processing mechanical materials 6: Robotics mechatronics 7: Medical biotechnology 8: Micro/nano system The papers that attracted the most interest at the conference, or that provided novel contributions, were selected for publication in Micromachines. These papers were peer-reviewed for validation of the research results, developments and applications.

During the last century, advances in the life sciences were used in the development of biological and chemical weapons in large-scale state offensive programmes, many of which targeted the nervous system. This study questions whether the development of novel biological and chemical neuroweapons can be prevented as neuroscience progresses.

This book shows that widespread secularisation has been taking place, which is producing new ways of perceiving God and the divine. The last century has seen unmistakable changes in religious practices and the concept of spirituality right across the world. There was a broad expectation for much of the twentieth century that religious worldviews would eventually succumb to the challenge of secularist materialism, but this process of secularisation has yet to occur as predicted. The book begins by contrasting theories of secularisation and resacralisation. Throughout the book, conceptual threads, or 'new religious themes' related to this resacralisation are discussed in terms of three main categories: reimagining God's nature, substance and location; reimagining human value and purpose; and reimagining modes of redemption. Finally, the book considers how these threads are moving in various different directions, and what the religious future might hold. This is a bold examination of contemporary spirituality that will appeal to academics and scholars of religious studies, new religious movements and the sociology of religion.

This monograph investigates the International, European and Commonwealth Caribbean approaches to human trafficking from an Analytical Eclectic perspective. It presents a compelling, empirically based argument that although there is currently a paucity of measures aimed at preventing human trafficking, prosecuting offenders and protecting trafficked victims in both Europe and the Commonwealth Caribbean, these measures have in practice been fraught with a number of challenges, whether of a normative, institutional or individual nature. The continued existence of these challenges strongly suggests that there exists a 'disconnect' between anti-trafficking law and practice which is not peculiar to small-island developing States since they also extend to developed States, including the United Kingdom. Although these challenges are not insurmountable, this monograph advances the argument that sustained social, economic, political and legal commitments are both necessary and desirable, and that without such commitments, only pyrrhic victories would be won in the fight to eradicate the scourge of the twenty-first century. Given the importance of the issue of human trafficking and its inescapable impact on victims, families, communities, nations, regions and the international community as a whole, this monograph will serve as an important resource for policy makers, scholars, students and practitioners actively working in this increasingly dynamic area of law.

Caribbean Anti-Trafficking Law and Practice

A Practical Approach

Human Development Report 2016

Biomedical Innovation and Entrepreneurship in Asia

Selected Papers from the 3rd International Symposium on Life Science

Artificial Life and Intelligent Agents

Selected Papers from the 8th Symposium on Micro-Nano Science and Technology on Micromachines

The presented book UPPSC (Uttar Pradesh Public Service Commission) General Studies (Paper-I) Preliminary Examination Solved Papers is a compilation of previous years' examination question papers from 2021 to 2005. Aspirants can find all these question papers easily where most of the syllabus is covered in the form of MCQs. The solutions are supplemented lucidly with analytical explanations to promote a clearer understanding to various levels of questions depending upon the complexity. This book seeks to make the aspirants fully aware about the developments in the papers throughout these years along with preparing them to face the upcoming examination with confidence.

Want to take the financial journey to a new investing philosophy that might very well affect the rest of your moneymaking life? No one can guarantee the yellow brick road, but Michael Covel promises the red pill will leave you wide freaking awake. Trend Following reveals the truth about a trading strategy that makes money in up, down and surprise markets. By applying straightforward and repeatable rules, anyone can learn to make money in the markets whether bull, bear, or black swan—by following the trend to the end when it bends. In this timely reboot of his bestselling classic, Michael Covel dives headfirst into trend following strategy to examine the risks, benefits, people, and systems.

You'll hear from traders who have made millions by following trends, and learn from their successes and mistakes—insights only here. You'll learn the trend philosophy, and how it has performed in booms, bubbles, panics and crashes. Using incontrovertible data and overwhelming supporting evidence, with a direct connection to the foundations of behavioral finance, Covel takes you inside the core principles behind the success of trend following. From brand new trader to professional, how alpha gets pulled from the market. Covel's newest edition has been revised and extended, with 7 brand new interviews and research proof from his one of kind network. This is trend following for today's generation. If you're looking to go beyond passive index funds and trusting the Fed, this cutting edge classic holds the keys to a weatherproof portfolio. Meet great trend followers learning their rules and philosophy of the game. Examine data to see how trend following excels when the you-know-what hits the fan. Understand trend trading, from behavioral economics to rules based decision-making to its lambasting of the efficient markets theory. Compare trend trading systems to do it yourself or invest with a trend fund. Trend following is not prediction, passive index investing, buy and hope or any form of fundamental analysis. It utilizes concrete rules, or heuristics, to profit from a behavioral perspective. Trend Following is clear-cut, straightforward and evidence-based and will secure your financial future in bull, bear and black swan markets. If you're finally ready to profit in the markets, Trend Following is the definitive treatise for a complex world in constant chaos.

This report focuses on how human development can be ensured for everyone, now and in future. It starts with an account of the hopes and challenges of today's world, envisioning where humanity wants to go. This vision draws from and builds on the 2030 Agenda and the Sustainable Development Goals. It explores who has been left behind in human development progress and why. It argues that to ensure that human development reaches everyone, some aspects of the human development framework and assessment perspectives have to be brought to the fore. The Report also identifies the national policies and key strategies to ensure that will enable every human being achieve at least basic human development and to sustain and protect the gains.

CUET (UG) Common University Entrance Test (Under-Graduate) 15 Practice Papers (English) Including Latest Solved Papers Conducted by: National Testing Agency (NTA)

CUET (UG) Common University Entrance Test (Under-Graduate) 15 Practice Papers (English)

The Seven Deadly Sins of Psychology

First International Symposium, ALIA 2014, Bangor, UK, November 5-6, 2014. Revised Selected Papers

ICCSM2014

Neuroscience and the Future of Chemical-Biological Weapons

The Potential Preventive Role of Nutrition

Beyond Technoationalism

This step-by-step guide to medical technology innovation, now in full color, has been rewritten to reflect recent trends of industry globalization and value-conscious healthcare. Written by a team of medical, engineering, and business experts, the authors provide a comprehensive resource that leads students, researchers, and entrepreneurs through a proven process for the identification, invention, and implementation of new solutions. Case studies on innovative products from around the world, successes and failures, practical advice, and end-of-chapter 'Getting Started' sections encourage readers to learn from real projects and apply important lessons to their own work. A wealth of additional material supports the book, including a collection of nearly one hundred videos created for the second edition, active links to external websites, supplementary appendices, and timely updates on the companion website at ebioedesign.org. Readers can access this material quickly, easily, and at the most relevant point in the text from within the ebook.

Biodegradation mediated by indigenous microbial communities is the ultimate fate of the majority of oil hydrocarbon that enters the marine environment. The aim of this Research Topic is to highlight recent advances in our knowledge of the pathways and controls of microbially-catalyzed hydrocarbon degradation in marine ecosystems, with emphasis on the response of microbial communities to the Deepwater Horizon oil spill in the Gulf of Mexico. In this Research Topic, we encouraged original research and reviews on the ecology of hydrocarbon-degrading bacteria, the rates and mechanisms of biodegradation, and the bioremediation of discharged oil under situ as well as near in situ conditions.

The bestselling and field-defining textbook which has introduced generations of students to the field of practical ethics, now in a new fully-revised fifth edition For more than twenty years, Ethics in Practice has paved the way for students to confront the difficult ethical questions they will, must, or do already face. Accessible to introductory students yet sufficiently rigorous for those pursuing advanced study, this celebrated collection encourages and guides readers to explore ethical dimensions of important, controversial topics such as euthanasia, environmental action, economic injustice, discrimination, incarceration, abortion, and torture. In combining new and revised modern texts with works of classic scholarship, Ethics in Practice equips readers to consider wide-ranging ideas in practical ethics and to understand the historical basis for contemporary developments in ethical theory. Revisions and updates to the new edition of Ethics in Practice focus on covering pressing global issues and adding depth to key sections. Many sections have been expanded to offer more thorough coverage of topics in ethical theory. Edited by Hugh LaFollette, highly regarded for his contributions in the field of practical ethics, this important volume: Explores the connections between ethical theory and divisive contemporary debates Includes general and section introductions which map the conceptual terrain, making it easy for students to understand and discuss the theoretical and practical dimensions of the issues Offers up-to-date incisive discussion global, local, and personal ethical issues Provides original essays, new perspectives, and revisions of key critical texts Enables instructors to discuss specific practical issues, broader groupings of topics, and common themes that connect major areas in ethics Already a market-leading text for introductory and applied ethics courses, the latest edition of Ethics in Practice: An Anthology continues to be an essential resource for instructors and students in philosophy departments around the world.

This book analyses how existing international law limits the use of means of warfare utilising the properties of nanomaterials.

Property and Human Rights in a Global Context

Science, Politics, and the Human Costs of Defeating Disease

New War Technologies and International Law

Lessons for Introductory Python

Volume 1 Proceedings of 2014 World Congress on Engineering Asset Management

Enabling Technologies for Space Exploration

Intellectual Property (IP) is a key component of the life sciences, one of the most dynamic and innovative fields of technology today. At the same time, the relationship between IP and the life sciences raises new public policy dilemmas. The Research Handbook on Intellectual Property and the Life Sciences comprises contributions by leading experts from academia and industry to provide in-depth analyses of key topics including pharmaceuticals, diagnostics and genes, plant innovations, stem cells, the role of competition law and access to medicines. The Research Handbook focuses on the relationship between IP and the life sciences in Europe and the United States, complemented by country-specific case studies on Australia, Brazil, China, India, Japan, Kenya, South Africa and Thailand to provide a truly international perspective.

The biomedical industry, which includes biopharmaceuticals, genomics and stem cell therapies, and medical devices, is among the fastest growing worldwide. While it has been an economic development target of many national governments, Asia is currently on track to reach the epicenter of this growth. What accounts for the rapid and sustained economic growth of biomedicals in Asia? To answer this question, Kathryn Iata-Arens integrates global and national data to form an original fieldwork to present a conceptual framework that considers how national governments have managed key factors, like innovative capacity, government policy, and firm-level strategies. Taking China, India, Japan, and Singapore in turn, she compares each country's underlying competitive advantages. What emerges is an argument that countries pursuing networked technoationalism (NTN) effectively upgrade their capacity for innovation and encourage entrepreneurial activity in targeted industries. In contrast to countries that engage in classic technoationalism—like Japan's developmental state approach—networked technoationalists are global minded to outside markets, while remaining nationalistic within the domestic economy. By bringing together aggregate data at the global and national level with original fieldwork and drawing on rich cases, Iata-Arens telegraphs implications for innovation policy and entrepreneurship strategy in Asia—and beyond.

The updated and expanded third edition of this book focuses on the multi-disciplinary coupling between flight-vehicle hardware alternatives and enabling propulsion systems. It discusses how to match near-term and far-term aerospace vehicles to missions and provides a comprehensive overview of the subject, directly contributing to the next-generation space infrastructure, from space tourism to space exploration. This holistic treatment defines a mission portfolio addressing near-term to long-term space transportation needs covering sub-orbital, orbital and escape flight profiles. In this context, a vehicle configuration classification is introduced covering alternatives starting from the dawn of space access. A best-practice parametric sizing approach is introduced to correctly design the flight vehicle for the mission. This technique balances required mission with the available vehicle solution space and is an essential capability sought after by technology forecasters and strategic planners alike.

"A real jewel of science history...brims with suspense and now-forgotten catastrophes and intrigue...Wadman's smooth prose calmly spins a surprisingly complicated story into a real tour de force."—The New York Times "Riveting... [The Vaccine Race] invites comparison with Rebecca Skloot's 2007 The Immortal Life of Henrietta Lacks."—Nature The epic and controversial story of a major breakthrough in cell biology that led to the conquest of rubella and other devastating diseases. Until the late 1960s, tens of thousands of American children suffered crippling birth defects if their mothers had been exposed to rubella, popularly known as German measles, while pregnant; there was no vaccine and little understanding of how the disease devastated fetuses. In June 1962, a young biologist in Philadelphia, using tissue extracted from an aborted fetus from Sweden, produced safe, clean cells that allowed the creation of vaccines against rubella and other common childhood diseases. Two years later, in the midst of a devastating German measles epidemic, his colleague developed the vaccine that would one day wipe out homegrown rubella. The rubella vaccine and others made with those fetal cells have protected more than 150 million people in the United States, the vast majority of them preschoolers. The new cells and the method of making them also led to vaccines that have protected billions of people around the world from polio, rabies, chicken pox, measles, hepatitis A, shingles and adenovirus. Meredith Wadman's masterful account recovers not only the story of this urgent race, but also the political roadblocks that nearly stopped the scientists. She describes the terrible dilemmas of pregnant women exposed to German measles and also conducts testing on infants, prisoners, orphans, and the intellectually disabled, which was common in the era. These events take place at the dawn of the battle over using human fetal tissue in research, during the arrival of big commerce in campus labs, and as huge changes take place in the laws and practices governing who "owns" research cells and the profits made from biological inventions. It is also the story of yet one more unrecognized woman whose cells have been used to save countless lives. With another frightening virus—measles—on the rise today, no medical story could have more human drama, impact, or urgency than The Vaccine Race.

Toward a Sustainable Future

The Process of Innovating Medical Technologies

How Pessimists, Partisans, and Plutocrats are Transforming the Marketplace of Ideas

Safe and Secure Cities

Human Development for Everyone

The Future of Violence - Robots and Gears, Hackers and Drones

ICCSM2014-Proceedings of the International Conference on Cloud Security Management ICCSM-2014

Why psychology is in peril as a scientific discipline—and how to save it Psychological science has made extraordinary discoveries about the human mind, but can we trust everything its practitioners are telling us? In recent years, it has become increasingly apparent that a lot of research in psychology is based on weak evidence, questionable practices, and sometimes even fraud. The Seven Deadly Sins of Psychology diagnoses the ills besetting the discipline today and proposes sensible, practical solutions to ensure that it remains a legitimate and reliable science in the years ahead. In this unflinchingly candid manifesto, Chris Chambers shows how practitioners are vulnerable to powerful biases that undercut the scientific method, how they routinely torture data until it produces outcomes that can be published in prestigious journals, and how studies are much less reliable than advertised. Left unchecked, these and other problems threaten the very future of psychology as a science—but help is here.

These Proceedings are the work of researchers contributing to the 2nd International Conference on Cloud Security Management Security (ICCSM 2014), being held this year at the University of Reading, UK on the 23-24 October 2014. The conference chair is Dr John McCarthy, Vice President, from the Cyber Security, ServiceTech, UK and the Programme Chair is Dr. Barbara Endicott-Popovsky, from the Center for Information Assurance and Cybersecurity, University of Washington, Seattle, USA. As organisations rush to adopt Cloud Computing at a rate faster than originally projected, it is safe to predict that, over the coming years, Cloud Computing will have major impacts, not only on the way we conduct science and research, but also on the quality of our daily human lives. Computation research, education, and business communities have been exploring the potential benefits of Cloud Computing and the changes these imply. Experts have predicted that the move to the cloud will alter significantly the content of IT jobs, with cloud clients needing fewer hands-on skills and more skills that administer and manage information. Bill Gates was recently quoted: "How you gather, manage, and use information will determine whether you win or lose." Cloud Computing impacts will be broad and pervasive, applying to public and private institutions alike.

This book contains information for specialists in various fields of science. From the point of view of pharmacology, data are reported regarding the effect of echinochrone A and related metabolites from sea urchins on the survival and functional properties of stem cells, which can facilitate ex vivo application of this compound in medicine. For scientists who isolate and establish structures of marine natural compounds, an article devoted to the proof of the typical molecule earlier found exclusively from marine invertebrates, 6-epi-manuchroin, may also be of interest. A range of new marine metabolites was discovered from the both marine invertebrates and marine microorganisms, particularly in marine isolates of fungi. Some marine natural products could be applied to treat such diseases as Parkinson's disease, ischemic stroke, viral infections, and so on. Magnificamille, a new peptide from sea anemones, inhibits porcine and human saliva amylases, showing its probable anti-diabetic properties. Application of the genomic approach was discussed in studies on various marine bacteria, producing marine enzymes with unusual specificity. The lectins capable of recognizing glycoforms of different substrates demonstrate the possibility to be used to elaborate new medical diagnostics.

The job interview is probably the most important step you will take in your job search journey. Because it's always important to be prepared to respond effectively to the questions that employers typically ask at a job interview Petrogav International has prepared this eBooks that will help you to get a job in oil and gas industry. Since these questions are so common, hiring managers will expect you to be able to answer them smoothly and without hesitation.

This eBook contains 273 questions and answers for job interview and as a BONUS web addresses to 100 video movies for a better understanding of the technological process. This course covers aspects like HSE, Process, Mechanical, Electrical and Instrumentation & Control that will enable you to apply for any position in the Oil and Gas Industry.

9th WCEAM Research Papers

Wiley Handbook of Learning Technology

Research Handbook on Intellectual Property and the Life Sciences

Guide to Programming for the Digital Humanities

Reimagining God and Resacralisation

The Ideas Industry

A Manifesto for Reforming the Culture of Scientific Practice

Hayes' Principles and Methods of Toxicology has long been established as a reliable reference to the concepts, methodologies, and assessments integral to toxicology. The new sixth edition has been revised and updated while maintaining the same high standards that have made this volume a benchmark resource in the field. With new authors and new chap This book explores the nature of pregnancy and metabolic syndrome as proinflammatory conditions and explains how pregnancy provides a window of opportunity for preventing the lifelong complications of metabolic syndrome, during which key risk factors can be identified and beneficial dietary changes can be implemented. The book's opening sections discuss inflammation in the context of pregnancy, including the nature of the placenta as a proinflammatory tissue. In the main body, it points to new possible connections to truncal obesity, inflammation, metabolic syndrome, and major obstetrical syndromes, including preeclampsia, gestational diabetes and pre-term delivery. Based on the insights offered by this analysis, the remainder of the book focuses on a variety of nutritional measures and diets that can be of benefit during and beyond pregnancy. Readers will learn how the higher level of compliance with medical instructions during pregnancy can be capitalized on to ensure enduring health benefits for mother and child alike.

The process of innovation in life science is capital intensive, associated with a high risk as well as highly regulated and is therefore distinct from other types of innovation. This book closes the educational gap in life science entrepreneurship and fills a market niche. It allows you to understand, manage and successfully lead the innovation process in life science. Learn how to develop and successful market biomedical technology Increase the return of your investments in biomedical innovation Get ready for a new career in a life science start-up Discover how to transfer a bio- or medtech project from academia to industry Obtain a comprehensive overview of the innovation process in life science

The Wiley Handbook of Learning Technology is an authoritative and up-to-date survey of the fast-growing field of learning technology, from its foundational theories and practices to its challenges, trends, and future developments. Offers an examination of learning technology that is equal parts theoretical and practical, covering both the technology of learning and the use of technology in learning Individual chapters tackle timely and controversial subjects, such as gaming and simulation, security, lifelong learning, distance education, learning across educational settings, and the research agenda Designed to serve as a point of entry for learning technology novices, a comprehensive reference for scholars and researchers, and a practical guide for education and training practitioners Includes 29 original and comprehensively referenced essays written by leading experts in instructional and educational technology from around the world

5th International Conference on Well-Being in the Information Society, WIS 2014, Turku, Finland, August 18-20, 2014. Proceedings

Developing Property Sustainably

Engineering the Environment

Confronting the New Age of Threat

How to Make a Fortune in Bull, Bear, and Black Swan Markets

Future Spacecraft Propulsion Systems and Integration

Exploring the Ultimate Questions About Life and the Cosmos

The public intellectual, as a person and ideal, has a long and storied history. Writing in venues like the New Republic and Commentary, such intellectuals were always expected to opine on a broad array of topics, from foreign policy to literature to economics. Yet in recent years a new kind of thinker has supplanted that archetype: the thought leader. Equipped with one big idea, thought leaders focus their energies on TED talks rather than highbrow periodicals. How did this shift happen? In The Ideas Industry, Daniel W. Dreznar points to the roles of political polarization, heightened inequality, and eroding trust in authority as ushering in the change. In contrast to public intellectuals, thought leaders gain fame as single-idea merchants. Their ideas are often laudable and highly ambitious: ending global poverty by 2025, for example. But instead of a class composed of university professors and freelance intellectuals debating in highbrow magazines, thought leaders often work through institutions that are closed to the public. They are more immune to criticism—and in this century, the criticism of public intellectuals also counts for less. Three equally important factors that have reshaped the world of ideas have been wanting trust in expertise, increasing political polarization and plutocracy. The erosion of trust has lowered the barriers to entry in the marketplace of ideas. Thought leaders don't need doctorates or fellowships to advance their arguments. Polarization is hardly a new phenomenon in the world of ideas, but in contrast to their predecessors, today's intellectuals are more likely to enjoy the support of ideologically friendly private funders and be housed in ideologically-driven think tanks. Increasing inequality as a key driver of this shift: more than ever before, contemporary plutocrats fund intellectual and idea factories that generate arguments that align with their own. But, while there are certainly some downsides to the contemporary ideas industry, Dreznar argues that it is very good at broadcasting ideas widely and reaching large audiences of people hungry for new thinking. Both fair-minded and trenchant, The Ideas Industry will reshape our understanding of contemporary public intellectual life in America and the West.

The job interview is probably the most important step you will take in your job search journey. Because it's always important to be prepared to respond effectively to the questions that employers typically ask at a job interview Petrogav International has prepared this eBooks that will help you to get a job in oil and gas industry. Since these questions are so common, hiring managers will expect you to be able to answer them smoothly and without hesitation. This eBook contains 291 questions and answers for job interview and as a BONUS web addresses to 288 video movies for a better understanding of the technological process. This course covers aspects like HSE, Process, Mechanical, Electrical and Instrumentation & Control that will enable you to apply for any position in the Oil and Gas Industry.

Developing Property Sustainably introduces readers to the key issues surrounding sustainable property development in the global marketplace. Pulling together received wisdom and original research, the authors provide a clear and practical overview of the sustainable property development process as well as a critical appraisal of the problems faced by global built environment stakeholders. Throughout, the authors demonstrate how the property development industry could and should respond better to debate on sustainable practices in the built environment by adopting more rigorous measurement techniques and sustainable approaches. Starting by exploring key definitions and stakeholders, the book goes on to explore finance, planning, construction, procurement, occupation, retrofit and lifecycle sustainability in order to provide the reader with a detailed understanding of all the issues involved in the delivery of sustainable property development from inception to occupation and beyond. Throughout the book, international case studies are used to demonstrate how sustainable property development is applied in practice around the world. With a logical chapter structure and accessible writing style,

Developing Property Sustainably would be perfect for use on undergraduate and postgraduate modules and courses in real estate development, property and urban development and other built environment programmes. Science and Faith Can/Land/Support Each Other Science and Christianity are often presented as opposites, when in fact the order of the universe and the complexity of life powerfully testify to intelligent design. With this comprehensive resource that includes the latest research, you'll witness how the findings of scientists provide compelling reasons to acknowledge the mind and presence of a creator.

Featuring more than 45 entries by top-caliber experts, you'll better understand how scientific concepts like intelligent design are supported by evidence the scientific findings that support the history and accounts found in the Bible the biases that lead to scientific information being presented as a challenge rather than a complement to Christianity Whether you're looking for answers to your own questions or seeking to explain the case for intelligent design to others, The Comprehensive Guide to Science and Faith is an invaluable apologetic tool that will help you explore and analyze the relevant facts, research, and theories in light of biblical truth.

Questions and answers for job interview Offshore Oil & Gas Platforms

The metabolic pathways and environmental controls of hydrocarbon biodegradation in marine ecosystems

Bio- and MedTech Entrepreneurship

Trend Following

Metabolic Syndrome and Complications of Pregnancy

Hayes' Principles and Methods of Toxicology

UPPSC (Uttar Pradesh Public Service Commission) UP Combined State/Upper Subordinate Services General Studies (Paper-I) Preliminary Examination Solved Papers 2021|2005

As an introduction to programming for the Digital Humanities (DH), this book presents six key assignments oriented on DH topics. The topics include Computing Change Over Time (calculating burials at a historic cemetery), Visualizing Change Over Time (visualizing the burials at the historic cemetery), Textual Analysis (finding word frequencies and "stop words" in public domain texts), XML Transformation (transforming a simplified version of XML into HTML styled with CSS), Stylemetry (comparing the measured features of graphic images), and Social Network Analysis (analyzing extended relationships in historic circles). The book focuses on the practical application of these assignments in the classroom, providing a range of variations for each assignment, which can be selected on the basis of students' specific programming background and skills; "atomic" assignments, which can be used to give students the experience they need to successfully complete the main assignments; and some common pitfalls and gotchas to manage in the classroom. The book's chief goals are to introduce novice computer science (CS) students to programming for DH, and to offer them valuable hands-on experience with core programming concepts.

Property as a human rights concern is manifested through its incorporation in international instruments and as a subject of the law through property-related cases conducted by international human rights organs. Yet, for the most part, the relationship between property and human rights has been discussed in rather superficial terms, lacking a clear substantive connection or common language. That said, the currents of globalisation have witnessed a new era of interrelation between these two areas of the law, including the emergence of international intellectual property law and the recognition of indigenous claims, which, in fundamental ways, speak to an engagement with human rights law. This collection starts the conversation between human rights lawyers and property lawyers and explores analytical approaches to the increasing relation between property and human rights in a global context. The chapters engage with key theoretical and policy debates and range across three main themes: The re-evaluation of the public/private divide in the law; the tensions between the market and social justice in development and the balance between the rights of individuals and those of communities. The chapters adopt a global, comparative perspective and engage in case studies from countries including India, Philippines, Brazil, the United States, the United Kingdom and includes various regions of Africa and Europe.

The terrifying new role of technology in a world at war

Selected Papers from the 3rd International Symposium on Life ScienceMDPI

The Comprehensive Guide to Science and Faith

Biochar

Understanding Anesthetic Equipment & Procedures

The Vaccine Race

From Start-up to Exit

An Anthology

Scientific American

Engineering asset management encompasses all types of engineered assets including built environment, infrastructure, plant, equipment, hardware systems and components. Following the release of ISO 5500x set of standards, the 9th WCEAM addresses the hugely important issue of what constitutes the body of knowledge in Engineering Asset Management. Topics discussed by Congress delegates are grouped into a number of tracks including strategies for investment and divestment of assets, operations and maintenance of assets, assessments of assets condition, risk and vulnerability, technologies and systems for management of asset, standards, education, training and certification. These proceedings include a sample of the wide range of topics presented during the 9th World Congress on Engineering Asset Management in Pretoria South Africa 28 - 31 October, 2014 and complements other emerging publications and standards that embrace the wide ranging issues concerning the management of engineered physical assets.

This is the first history of phytotrons, huge climate-controlled laboratories that enabled plant scientists to experiment on the environmental causes of growth and development of living organisms. Made possible by computers and other modern technologies of the early Cold War, such as air conditioning and humidity control, phytotrons promised an end to global hunger and political instability, spreading around the world to thirty countries after World War II. The United States built nearly a dozen, including the first at Caltech in 1949. By the mid-1960s, as support and funding for basic science dwindled, phytotrons declined and ultimately disappeared—until, nearly thirty years later, the British built the Ecotron to study the impact of climate change on biological communities. By recalling the forgotten history of phytotrons, David P. D. Munns reminds us of the important role they can play in helping researchers unravel the complexities of natural ecosystems in the Anthropocene.

This book constitutes the refereed proceedings of the 5th International Conference on Well-Being in the Information Society, WIS 2014, held in Turku, Finland, in September 2014. The 24 revised full papers presented were carefully reviewed and selected from 64 submissions. The core topic is livability and quality of (urban) living with safety and security. The papers address topics such as secure and equal use of information resources, safe and secure work environments and education institutions, cyberaggression and cybersecurity as well as impact of culture on urban safety and security.

This book constitutes the refereed proceedings of the First International Symposium on Artificial Life and Intelligent Agents, ALIA 2014, held in Bangor, UK, in November 2014. The 10 revised full papers were carefully reviewed and selected from 20 submissions. The papers are organized in topical sections on learning and evolution; human interaction; robotic simulation.

Military Review

Phytotrons and the Quest for Climate Control in the Cold War

Technical questions and answers for job interview Offshore Oil & Gas Platforms

Geoscience for the Public Good and Global Development

Ethics in Practice

Biodesign