Basic Electrical Author Anwani

"This is the first machine-generated scientific book in chemistry published by Springer Nature. Serving as an innovative prototype defining the current status Of the technology, it also provides an overview about the latest trends of lithium-ion batteries research. This book explores future ways of informing researchers and professionals. State-of-the-art computer algorithms were applied to: select relevant sources from Springer Nature publications, arrange these in a topical order, and provide succinct summaries of these articles. The result is a cross-corpora auto-summarization of current texts, organized by means of a similarity-based clustering routine in coherent chapters and sections. This book summarizes more than 150 research articles published from 2016 to 2018 and provides an informative and concise overview of recent research into anode and cathode materials as well as further aspects such as separators, polymer electrolytes, thermal behavior and modelling. With this prototype, Springer Nature has begun an innovative journey to explore the field of machine-generated content and to find answers to the manifold questions on this fascinating topic. Therefore it was intentionally decided not to manually polish or copy-edit any of the texts so as to highlight the current status and remaining boundaries of machine-generated content. Our goal is to initiate a broad discussion, together with the research community and domain experts, about the future opportunities, challenges and limitations of this technology."--Publisher's website.

This book constitutes the refereed proceedings of the 19th International Conference on Engineering Applications of Neural Networks, EANN 2018, held in Bristol, UK, in September 2018. The 16 revised full papers and 5 revised short papers presented were carefully reviewed and selected from 39 submissions. The papers are organized in topical sections on activity recognition, deep learning, extreme learning machine, machine learning applications, predictive models, fuzzy and recommender systems, recurrent neural networks, spiking neural networks.

Workshop Practice has been expanding explosively during the past decade and the initial concept of this book was simply to collate some of the newer and easy applicable methods particularly those involving some degree of automation. This plan was altered in favour of treatise that not only brings workshop methodology up-to-date but also includes representative protocols for the application of these techniques. Accordingly, over a hundred authors have pooled their efforts to produce this volume. In so doing, the mutual hope is that it will serve as a reference portfolio to help both the novice and veteran research get on with the job in an inspired efficient and productive manner. On the whole graduating students of most streams of Engineering may find interest in this book and will benefit having one at hand. In the preparation of this book large number of books and research papers have been consulted. So many authenticity is claimed. The author wishes to express to express his deepest appreciation to the many people who have contributed in one way or the other to the preparation of the title. The author will greatly appreciate having his attention called to any questionable statement. Contents: General Introduction, Material Testing Treatment and Properties, Engineering Materials, Metals and Alloys/ Nonferrous, Carpentry Shop and Wood Working Tools, Benchwork and Fitting Shop, Welding Shop, Sheet Metal Work.

The United Kingdom. A story based on real events. Few people are deemed smart enough to be selected and trained as a spy for Her Majesty's Government, fewer qualify. The Author is one such man, who uniquely, was chosen at the age of 16, the only person still to pass selection without an education through the university system. Andy describes his unbelievable life, from the beginning, as a child, playing in the woods and fields around his home in Maple Cross, Hertfordshire, learning the skills he had no idea he would need in his future spy world, tracking, moving silently and invisibly, undetected. His career ended, leaving him suffering Post Traumatic Stress Disorder, after facing interrogation, torture and being stood in front of a firing squad in war-torn Angola, he escaped by stealing a small aircraft piloting, alone and injured, 700 miles to safety with only 4 hours unqualified flying experience. He faced the rest of his life knowing a dark secret had to be kept from everyone he knew. Only in 2012, when he was informed his ex-MI6 secretary had died from cancer, close to breaking down mentally, did he finally decide to reveal his secret life to his friends and family to release the buried secrets from his struggling sanity. A risky choice, one he did not take lightly, but he knew deep inside it was the only way forward for his peace of mind. Carefully written to avoid revealing any government secrets, this is his personal story, thrilling, surprising and an eye-opener into the life of, An Ordinary Guy, who truly was, An Unknown Spy.

This third edition of Basic Electrical Engineering provides a lucid exposition of the principles of electrical engineering. The book provides an exhaustive coverage of topics such as network theory and analysis, magnetic circuits and energy conversion, ac and dc machines, basic analogue instruments, and power systems. The book also gives an introduction to illumination concepts.

This book has been written with total focus on meeting the objectives of the subject 'Electrical Measurement and Control' as given by the syllabus of WBSCTE. The text has been written so as to create interest in the minds of students in learning further. After reading this book the student will be able to: • Identify the sub-systems of a complete instrumentation system and explain the function of each • Select the correct transducer for receiving the measurement system input • Explain the basic signal conditioning processes, data transmission techniques, data storage and display devices • Understand the working of control devices used in motor controls and process controls • Represent a control system in a simplified block diagram form using transfer function • Determine the stability conditions of a system using stability study criteria and explain the use of different types of controllers

Colloquial Swahili: The Complete Course for Beginners has been carefully developed by an experienced teacher to provide a step-by-step course to Swahili as it is written and spoken today. Combining a clear, practical and accessible style with a methodical and thorough treatment of the language, it equips learners with the essential skills needed to communicate confidently and effectively in Swahili in a broad range of situations. No prior knowledge of the language is required. Colloquial Swahili is exceptional; each unit presents a wealth of grammatical points that are reinforced with a wide range of exercises

for regular practice. A full answer key, a grammar summary, bilingual glossaries and English translations of dialogues can be found at the back as well as useful vocabulary lists throughout. Key features include: A clear, user-friendly format designed to help learners progressively build up their speaking, listening, reading and writing skills Jargon-free, succinct and clearly structured explanations of grammar An extensive range of focused and dynamic supportive exercises Realistic and entertaining dialogues covering a broad variety of narrative situations Helpful cultural points explaining the customs and features of life in Swahili-speaking countries. An overview of the sounds of Swahili Balanced, comprehensive and rewarding, Colloquial Swahili is an indispensable resource both for independent learners and students taking courses in Swahili. Audio material to accompany the course is available to download free in MP3 format from www.routledge.com/cw/colloquials. Recorded by native speakers, the audio material features the dialogues and texts from the book and will help develop your listening and pronunciation skills.

Digital Electronics is specially designed as a textbook for the undergraduate students of Electronics, Communciation, Computer Science, Electrical and Instrumentation Engineering for their introductory course on digital electronics or digital system and design.

By means of superb photos and diagrams, Pallas explains int simple terms the operation of a diesel engine and shows how to maintain and repair it should it break down. This book will be an invaluable reference for when things go wrong.

Attuned to the needs of undergraduate students of engineering in their first year, Basic Electrical Engineering enables them to build a strong foundation in the subject. A large number of real-world examples illustrate the applications of complex theories. The book comprehensively covers all the areas taught in a one-semester course and serves as an ideal study material on the subject.

Focusing on soft computing techniques and application in various engineering research domains, this book presents the state-of-the-art outcomes from ongoing research works being conducted in various research laboratories and educational institutions. The included research works deal with estimated models and give resolutions to complex real-life issues. In the field of evolutionary computing and other domains of applications, such as, data mining and fuzzy logic, soft computing techniques play an incomparable role, where it successfully handles contemporary computationally intensive and complex problems that have usually appeared to be inflexible to traditional mathematical methods. Comprising the concepts and applications of soft computing with other emerging research domains, this book cherishes varieties of modern applications in the fields of natural language processing, image processing, biomedical engineering, communication, control systems, circuit design etc.

The book gives an exhaustive exposition of the fundamental concepts, techniques and devices in Basic Electronics Engineering. The book covers the basic course in basic electronics of almost all the Indian technical universities and some foreign universities as well. It is particularly well suited undergraduate students of all Engineering disciplines. Diploma students of EEE and ECE will find useful too. Basic Electronics is designed as the one-stop solution for those attempting to teach as well as study a course on Basic Electronics. The carefully developed pedagogy will help the instructor pick thought-provoking questions for tutorials and examinations, as well as allow plenty of practice for the students. Salient Features • Approach modular, and exposition of subject matter through illustrations • Block-diagrams and circuit diagrams used aplenty to enhance understanding • Pedagogy count and features: • Solved Examples- 136 • MCQs- 189 • Review Questions- 235 • Problems- 163 • Diagrams- 409

Featuring insights on even more groundbreaking recording sessions, rehearsals, and sound checks, the expanded edition of Duane Tudahl's award-winning book pulls back the paisley curtain to reveal the untold story of Prince's rise from cult favorite to the biggest rock star on the planet. His journey is meticulously documented through detailed accounts of his time secluded behind the doors of the recording studio as well as his days on tour. With unprecedented access to the musicians, singers, and studio engineers who knew Prince best, including members of the Revolution and the Time, Duane Tudahl weaves an intimate saga of an eccentric genius and the people and events who helped shape the groundbreaking music he created. From Sunset Sound Studios' daily recording logs and the Warner Bros. vault of information, Tudahl uncovers hidden truths about the origins of songs such as "Purple Rain," "When Doves Cry," and "Raspberry Beret" and also reveals never-before-published details about Prince's unreleased outtakes. This definitive chronicle of Prince's creative brilliance during 1983 and 1984 provides a new experience of the Purple Rain album as an integral part of Prince's life and the lives of those closest to him.

Jack Fisher is a boy in trouble. Disobedient and rebellious, he fights with his sister Jillian, challenges his parents' authority and fails his classes at school. But when temptation overpowers his better judgment during the annual family reunion the consequences are more drastic than anyone could have imagined. Ignoring his grandmother's warning to stay out, Jack goes up to the attic and tries on his grandfather's old bomber jacket and boots. Suddenly transported to a world called Weaverworld, Jack must quickly adjust to his new reality. Weaverworld is a mystical place and the longer he's there the more willing he is to let go of the rules from his life in the Realworld. But not everything is as enchanting as it seems. Jack soon learns that Weaverworld can also be a dangerous and terrifying place as the vengeful Grimsnipe enmeshes him in an ever more dangerous web of intrigue. With his new friends at his side, Jack must find a way to fight this evil force before it succeeds in destroying both his family and the Weaver way of life.

Karp's Cell Biology, Global Edition continues to build on its strength at connecting key concepts to the experiments that reveal how we know what we know in the world of Cell Biology. This classic text explores core concepts in considerable depth, often adding experimental detail. It is written in an inviting style to assist students in handling the plethora of details encountered in the Cell Biology course. In this edition, two new co-authors take the helm and help to expand upon the hallmark strengths of the book, improving the student learning experience.

Due to increasing demand for potable and irrigation water, new scientific research is being conducted to deal with wastewater from a variety of sources. Novel Water Treatment and Separation Methods: Simulation of Chemical Processes presents a selection of research related to applications of chemical processes for wastewater treatment, separation

techniques, and modeling and simulation of chemical processes. Among the many topics are: degradation of herbicide removal of anionic dye efficient sun-light driven photocatalysis removal of copper and iron using green activated carbon defluoridation of drinking water removal of calcium and magnesium from wastewater using ion exchange resins degradation of vegetable oil refinery wastewater novel separation techniques, including microwave-assisted extraction and more The volume presents selected examples in wastewater treatment, highlighting some recent examples of processes such as photocatalytic degradation, emulsion liquid membrane, novel photocatalyst for degradation of various pollutants, and adsorption of heavy metals. The book goes on to explore some novel separation techniques, such as microwave-assisted extraction, anhydrous ethanol through molecular sieve dehydration, batch extraction from leaves of Syzygium cumini (known as jambul, jambolan, jamblang or jamun), and reactive extraction. These novel separation techniques have proved be advantageous over conventional methods. The volume also looks at modeling and simulation of chemical processes, including chapters on flow characteristics of novel solid-liquid multistage circulating fluidized bed, mathematical modeling and simulation of gasketed plate heat exchangers, optimization of the adsorption capacity of prepared activated carbon, and modeling of ethanol/water separation by pervaporation, along with topics on simulation using CHEMCAD software. The diverse chapters share and encourage new ideas, methods, and applications in ongoing advances in this growing area of chemical engineering and technology. It will be a valuable resource for researchers and faculty and industrialists as well as for students.

Dictionary of Arabic Loanwords in the Languages of Central and East Africa analyzes around 3000 Arabic loanwords in more than 50 languages in the area, and completes the work started in a previous similar work on West Africa.

In This Issue Essays Lisa M. Corrigan, "Queering the Panthers: Rhetorical Adjacency and Black/Queer Liberation Politics" Bernadette Marie Calafell, "Narrative Authority, Theory in the Flesh, and the Fight over The Death and Life of Marsha P. Johnson" Forum: Stonewall Fiftieth Anniversary: Queering Legacy and Its Futures KC Councilor, "Standing on the Shoulders of Stonewall" Qwo-Li Driskill, "All Power to the People: A Gay Liberation Triptych" Leah Lakshmi Piepzna-Samarasinha, "Disability Justice/Stonewall's Legacy, or: Love Mad Trans Black Women When They Are Alive and Dead, Let Their Revolutions Teach Your Resistance All the Time" Andrea Jenkins, "Power to the People: The Stonewall Revolution" Shuzhen Huang, "Fifty Years since Stonewall: Beyond the Borders of the United States" pattrice jones, "Queer Eros in the Enchanted Forest: The Spirit of Stonewall as Sustainable Energy" Didier William, "Two Dads" Kevin Mumford, "The Lessons of Stonewall Fifty Years Later" Eric Marcus, "Making Peace with Stonewall" Joseph Nicholas DeFilippis, "Betraying the Legacy of Stonewall" Ryan Conrad,. "I Still Hate New Year's Day" Perry N. Halkitis, "Coming Out and the Otherness of Gay Men Across Generations" Exhibition Reviews Jessica Posner, "QED Spring 2019 Exhibition Reviews: Editorial Note" David Geer and Isaac Pool, "Love & Resistance: Stonewall 50" Exhibition Review & Queer Conversation Chris E. Vargas and Jessica Posner, "Remembering 'Consciousness Razing--The Stonewall Re-Memorialization Project': Chris E. Vargas in Conversation with Jessica Posner" Book Reviews Michael Arditti, Of Men and Angels, reviewed by Frederick Roden Hongwei Bao, Queer Comrades: Gay Identity and Tongzhi Activism in Postsocialist China, reviewed by Di Wang Liz Montegary, Familiar Perversions: The Racial, Sexual, and Economic Politics of LGBT Families, reviewed by Matty Hemming

?This book presents a state-of-the-art review of recent advances in the recycling of spent lithium-ion batteries. The topics covered include: introduction to the structure of lithium-ion batteries; development of battery-powered electric vehicles; potential environmental impact of spent lithium-ion batteries; pretreatment of spent lithium-ion batteries for recycling processing; pyrometallurgical processing for recycling spent lithium-ion batteries; hydrometallurgical processing for recycling spent lithium-ion batteries; direct processing for recycling spent lithium-ion batteries; high value-added products from recycling of spent lithium-ion batteries; and effects of recycling of spent lithium-ion batteries on environmental burdens. The book provides an essential reference resource for professors, researchers, and policymakers in academia, industry, and government around the globe.

For over 15 years "Principles of Electrical Machines" is an ideal text for students who look to gain a current and clear understanding of the subject as all theories and concepts are explained with lucidity and clarity. Succinctly divided in 14 chapters, the book delves into important concepts of the subject which include Armature Reaction and Commutation, Single-phase Motors, Three-phase Induction motors, Synchronous Motors, Transformers and Alternators with the help of numerous figures and supporting chapter-end questions for retention.

Basic Electrical and Electronics Engineering provides an overview of the basics of electrical and electronic engineering that are required at the undergraduate level. The book allows students outside electrical and electronics engineering to easily

This is an introduction to spiking neurons for advanced undergraduate or graduate students. It can be used with courses in computational neuroscience, theoretical biology, neural modeling, biophysics, or neural networks. It focuses on phenomenological approaches rather than detailed models in order to provide the reader with a conceptual framework. No prior knowledge beyond undergraduate mathematics is necessary to follow the book. Thus it should appeal to students or researchers in physics, mathematics, or computer science interested in biology; moreover it will also be useful for biologists working in mathematical modeling.