

Electrical 2nd Sem 2014 Diploma

Design, Manufacturing and Applications of Composites Tenth Workshop 2014

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Taylor's 7th Teaching and Learning Conference 2014 Proceedings

Materials Science and Energy Engineering (CMSEE 2014)

Conference proceedings. New perspectives in science education

Proceedings of the 2nd International Conference on Intelligent Technologies and Engineering Systems (ICITES2013)

Advances in Signal Processing and Intelligent Recognition Systems

A Textbook of Electrical Technology - Volume I (Basic Electrical Engineering)

Fundamentals of Electrical Engineering and Electronics

Reflections at Sunflower Farm The Second Semester

Junior Graphic

Machine Drawing

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Conversion Materials for Rechargeable Batteries, 2nd Edition

Handbook of Research on Improving Engineering Education With the European Project Semester

Application of Clinical Bioinformatics

Electrical and Electronic Principles and Technology

Sensors

ESD

Proceedings of the 9th European Conference on Innovation and Entrepreneurship

Electrospun Nanofibers

Electrical Circuit Theory and Technology

Real Stories of Academic Corruption Met In My Life

Real Stories of Academic Corruption in my Life

Post-admission Language Assessment of University Students

Getting Skills Right: Assessing and Anticipating Changing Skill Needs

IB Physics Course Book

Thermodynamics Made Simple for Energy Engineers

Reviving Our Economy

WIND POWER TECHNOLOGY, THIRD EDITION

Three-Dimensional Carbon Architectures for Energy Conversion and Storage

A Space Mind

Trends in Control and Measurement Education

Women in Aerospace Materials

Computer Aided Design of Multivariable Technological Systems

Nonferrous Nanomaterials & Composites for Energy Storage and Conversion

Finance and Accounting for Energy Engineers

Ross & Wilson Anatomy and Physiology in Health and Illness E-Book

Sustainable Development and Social Responsibility—Volume 1

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2015-03-04 Reza Vaziri New strategies on fillers, reinforcements, process modeling and SHM Discusses carbon fiber, ceramic, metal, and wood composites Applications to wind turbines, aerospace, piping The tenth in an ongoing series, this large volume contains 44 papers published for the first time on the behavior, process modeling and testing of composites, written by well-known researchers from universities and research centers in Japan and Canada. Special attention is given to advances in reinforcements, manufacturing, and sensing methods for SHM of composite processes and damage. Key words include: braided composites, nanotube, graphene nanoplatelet, moisture effects, structural health, functionally graded shells, curvilinear composite, lignin, sensors, piezoelectric, and damage sensing.

2014-03-24 Ransford Tetteh

2015-06-01 Siew Fun Tang These conference proceedings showcase a rich and practical exchange of approaches and vital evidence-based practices taking place around the world. They clarify the complex challenges involved in bringing about a holistic educational environment in schools and institutes of higher learning that fosters greater understanding and offer valuable insights on how to avoid the pitfalls that come with rolling out holistic approaches to education. To do so, the proceedings focus on the subthemes Support and Development, Mobility and Diversity and Networking and Collaboration in Holistic Education.

2015-03-26 Shyan-Lung Chung This proceedings collected together ninety-seven selected articles on recent research works and innovations in material science and energy engineering, presented at the 2014 International Conference on Materials Science and Energy Engineering (CMSEE 2014), held in Sanya, Hainan, China during December 12 - 14, 2014. CMSEE2014

covers a wide range of fundamental studies, technical innovations and industrial applications in material science and energy engineering, and were attended by 130 participants from different countries and regions in the world including China, Canada, Japan, Korea, Taiwan, Turkey, Egypt and Russia, to exchange notes on latest research, and synergic in future scientific collaborations. All papers submitted were subjected to a rigorous peer-review process by at least two independent reviewers to ensure that articles selected are of highest standard and are relevance to the aims and scope of CMSEE 2014. Contents: Material Science and Material Processing Technology Energy Material and Energy Processing Technology Environmental Material and Environmental Processing Technology Readership: Researchers and professional in materials science and energy engineering. Key Features: The conference were attended by researchers from different countries and regions in the world including China, Canada, Japan, Korea, Taiwan, Turkey, Egypt and Russia Printed copies are available to authors and CMSEE 2014 conference participants alike with special discount with discount code sent out by conference organisers Additional copies will be printed for marketing to include in their library package Keywords: Energy Studies; General Material Science

2014 Pixel

2014-04-18 Jengnan Juang This book includes the original, peer reviewed research papers from the conference, Proceedings of the 2nd International Conference on Intelligent Technologies and Engineering Systems (ICITES2013), which took place on December 12-14, 2013 at Cheng Shiu University in Kaohsiung, Taiwan. Topics covered include: laser technology, wireless and mobile networking, lean and agile manufacturing,

speech processing, microwave dielectrics, intelligent circuits and systems, 3D graphics, communications and structure dynamics and control.

2020-04-30 Sabu M. Thampi This book constitutes the refereed proceedings of the 5th International Symposium on Advances in Signal Processing and Intelligent Recognition Systems, SIRS 2019, held in Trivandrum, India, in December 2019. The 19 revised full papers and 8 revised short papers presented were carefully reviewed and selected from 63 submissions. The papers cover wide research fields including information retrieval, human-computer interaction (HCI), information extraction, speech recognition.

2005 BL Theraja The primary objective of vol. I of A Text Book of Electrical Technology is to provide a comprehensive treatment of topics in Basic Electrical Engineering both for electrical as well as nonelectrical students pursuing their studies in civil, mechanical, mining, textile, chemical, industrial, environmental, aerospace, electronic and computer engineering both at the Degree and diploma level. Based on the suggestions received from our esteemed readers, both from India and abroad, the scope of the book has been enlarged according to their requirements. Almost half the solved examples have been deleted and replaced by latest examination papers set up to 1994 in different engineering colleges and technical institutions in India and abroad.

2006-06 BL Theraja This Book extensive pruning of the solved Examples in the text. Majority of the old examples have been replaced by questions set in the latest examination papers of different engineering colleges and technical institutions.

2014-07-18 AJ Georgia The Second Semester is book two in the Reflections at Sunflower Farm series. Ed, Donovan, Mary, and Julian deal with the loss of a friend as their wedding plans come together. Mary's students dig deeper learning more and more that their chosen field comes with personal dangers as well as mental ones. Graduation is fast approaching which will mark the beginning of new careers and maybe the close of others. Foresters Farm looks like it could become a reality which has Mary completely terrified to the point that it's making

her physically ill. Or is it something else?

2014-12-03 Mavis Kitcher (Mrs)

2009-06-30 K. L. Narayana About the Book: Written by three distinguished authors with ample academic and teaching experience, this textbook, meant for diploma and degree students of Mechanical Engineering as well as those preparing for AMIE examination, incorporates the latest st

2014-09-05 Kingsley Inkoom

2020-11-20 Feixiang Wu This eBook is a collection of articles from a Frontiers Research Topic. Frontiers Research Topics are very popular trademarks of the Frontiers Journals Series: they are collections of at least ten articles, all centered on a particular subject. With their unique mix of varied contributions from Original Research to Review Articles, Frontiers Research Topics unify the most influential researchers, the latest key findings and historical advances in a hot research area! Find out more on how to host your own Frontiers Research Topic or contribute to one as an author by contacting the Frontiers Editorial Office: frontiersin.org/about/contact.

2022-03-18 Malheiro, Benedita Engineering education aims to prepare engineering undergraduates for their future professional journey where they will be called on to solve challenges affecting individuals, companies, and society. The European Project Semester (EPS) exposes students to project- and challenge-based learning, paying special attention to international multidisciplinary teamwork, sustainable design, innovative thinking, and project management in order to develop a set of desired professional skills. The Handbook of Research on Improving Engineering Education With the European Project Semester shares the best practices in engineering education through close examination of the EPS. It describes the adopted learning framework, analyzes how it contributes to the development of skills, reports on the types of challenges proposed to teams, and delivers a set of team-project cases from the network of providers. Covering topics such as engineering ethics, project management, and sustainable behavior, this book is essential to students in engineering, engineers, engineering educators, educational researchers, academic administration and faculty, and academicians.

2016-03-31 Xiangdong Wang This book elucidates how genetic, biological and medical information can be applied to the development of personalized healthcare, medication and therapies. Focusing on aspects of the development of evidence-based approaches in bioinformatics and computational medicine, including data integration, methodologies, tools and models for clinical and translational medicine, it offers an essential introduction to clinical bioinformatics for clinical researchers and physicians, medical students and teachers, and scientists working with human disease-based omics and bioinformatics. Dr. Xiangdong Wang is a distinguished Professor of Medicine. He is Director of Shanghai Institute of Clinical Bioinformatics, Director of Fudan University Center for Clinical Bioinformatics, Deputy Director of Shanghai Respiratory Research Institute, Director of Biomedical Research Center, Fudan University Zhongshan Hospital, Shanghai, China; Dr. Christian Baumgartner is a Professor of Health Care and Biomedical Engineering at Institute of Health Care Engineering with European Notified Body of Medical Devices, Graz University of Technology, Graz, Austria; Dr. Denis Shields is a Professor of Clinical Bioinformatics at Conway Institute, Belfield, Dublin, Ireland; Dr. Hong-Wen Deng is a Professor at Department of Biostatistics and Bioinformatics, Tulane University School of Public Health and Tropical Medicine, USA; Dr. Jacques S Beckmann is a Professor and Director of Section of Clinical Bioinformatics, Swiss Institute of Bioinformatics, Switzerland.

2017-03-31 John Bird This practical resource introduces electrical and electronic principles and technology covering theory through detailed examples, enabling students to develop a sound understanding of the knowledge required by technicians in fields such as electrical engineering, electronics and telecommunications. No previous background in engineering is assumed, making this an ideal text for vocational courses at Levels 2 and 3, foundation degrees and introductory courses for undergraduates.

2015-01-08 Dario Compagnone This book contains a selection of papers presented at the Second National Conference on Sensors held in Rome 19-21 February 2014. The conference

highlighted state-of-the-art results from both theoretical and applied research in the field of sensors and related technologies. This book presents material in an interdisciplinary approach, covering many aspects of the disciplines related to sensors, including physics, chemistry, materials science, biology and applications.

2015-06-22 Steven H. Voldman ESD: Circuits and Devices 2nd Edition provides a clear picture of layout and design of digital, analog, radio frequency (RF) and power applications for protection from electrostatic discharge (ESD), electrical overstress (EOS), and latchup phenomena from a generalist perspective and design synthesis practices providing optimum solutions in advanced technologies. New features in the 2nd edition: Expanded treatment of ESD and analog design of passive devices of resistors, capacitors, inductors, and active devices of diodes, bipolar junction transistors, MOSFETs, and FINFETs. Increased focus on ESD power clamps for power rails for CMOS, Bipolar, and BiCMOS. Co-synthesizing of semiconductor chip architecture and floor planning with ESD design practices for analog, and mixed signal applications Illustrates the influence of analog design practices on ESD design circuitry, from integration, synthesis and layout, to symmetry, matching, inter-digitation, and common centroid techniques. Increased emphasis on system-level testing conforming to IEC 61000-4-2 and IEC 61000-4-5. Improved coverage of low-capacitance ESD, scaling of devices and oxide scaling challenges. ESD: Circuits and Devices 2nd Edition is an essential reference to ESD, circuit & semiconductor engineers and quality, reliability & analysis engineers. It is also useful for graduate and undergraduate students in electrical engineering, semiconductor sciences, microelectronics and IC design.

2014 Brendan Galbraith

2016-09-13 Mehdi Afshari Electrospun Nanofibers covers advances in the electrospinning process including characterization, testing and modeling of electrospun nanofibers, and electrospinning for particular fiber types and applications. Electrospun Nanofibers offers systematic and comprehensive coverage for academic

researchers, industry professionals, and postgraduate students working in the field of fiber science. Electrospinning is the most commercially successful process for the production of nanofibers and rising demand is driving research and development in this field. Rapid progress is being made both in terms of the electrospinning process and in the production of nanofibers with superior chemical and physical properties. Electrospinning is becoming more efficient and more specialized in order to produce particular fiber types such as bicomponent and composite fibers, patterned and 3D nanofibers, carbon nanofibers and nanotubes, and nanofibers derived from chitosan. Provides systematic and comprehensive coverage of the manufacture, properties, and applications of nanofibers Covers recent developments in nanofibers materials including electrospinning of bicomponent, chitosan, carbon, and conductive fibers Brings together expertise from academia and industry to provide comprehensive, up-to-date information on nanofiber research and development Offers systematic and comprehensive coverage for academic researchers, industry professionals, and postgraduate students working in the field of fiber science

2003-01-20 John Bird Electrical Circuit Theory and Technology is a fully comprehensive text for courses in electrical and electronic principles, circuit theory and electrical technology. The coverage takes students from the fundamentals of the subject, to the completion of a first year degree level course. Thus, this book is ideal for students studying engineering for the first time, and is also suitable for pre-degree vocational courses, especially where progression to higher levels of study is likely. John Bird's approach, based on 700 worked examples supported by over 1000 problems (including answers), is ideal for students of a wide range of abilities, and can be worked through at the student's own pace. Theory is kept to a minimum, placing a firm emphasis on problem-solving skills, and making this a thoroughly practical introduction to these core subjects in the electrical and electronic engineering curriculum. This revised edition includes new material on transients and laplace transforms, with the content carefully matched

to typical undergraduate modules. Free Tutor Support Material including full worked solutions to the assessment papers featured in the book will be available at <http://textbooks.elsevier.com/>. Material is only available to lecturers who have adopted the text as an essential purchase. In order to obtain your password to access the material please follow the guidelines in the book.

Dr. Hidaia Mahmood Alassouli

2020-04-03 Dr. Hidaia Mahmood Alassouli In this report, I will speak about the academic corruption I noted in some universities and academic institutions according to my experience with them. I will review also the abusive practices against me by some book publishing websites such as Ingramspark.com that arbitrarily closed my publishing accounts without reasons I will provide also a summary of the difficulties I encountered in electronic money transfer and online shopping due to the financial blockade against the Palestinians. The report will consist from the following parts 1. Academic Corruption in Higher Colleges of Technology in Dubai 2. Academic Corruption in University of Swaziland. 3. Some stories of corruption I met in Gaza Strip institutions. 4. General profile about my education and experiences with some stories of corruption I met. 5. Academic Corruption in Palestinian Universities. 6. The corruption in Palestinian Energy and Natural Resources Authority - PENRA and Electrical Companies. 7. Scandals of some websites for publishing books such as Ingramspark.com and other publishing websites that arbitrarily closed my accounts without reasons. 8. My detailed complaint about Ingramspark.com that recently closed four accounts for publishing for me without the slightest reason. 9. Brief description of my complaint about Ingramspark.com that closed four accounts for publishing for me without the slightest reason: 10. Summary of the difficulties I encountered in electronic money transfer and online shopping due to the financial blockade against the Palestinians.

2016-08-10 John Read English-medium universities around the world face real challenges in ensuring that incoming students have the language and literacy skills they need to cope with the demands of their degree

programmes. One response has been a variety of institutional initiatives to assess students after admission, in order to identify those with significant needs and advise them on how to enhance their academic language ability. This volume brings together papers from Australia, Canada, Hong Kong, New Zealand, Oman, South Africa and the United States, written by language assessment specialists who discuss issues in the design and implementation of these post-admission assessments in their own institutions. A major theme running through the book is the need to evaluate the validity of such assessments not just on their technical quality but on their impact, in terms of giving students access to effective means of developing their language skills and ultimately enhancing their academic achievement.

2016-04-08 OECD Digitalisation, globalisation, demographic shifts and other changes in work organisation are constantly reshaping skill needs. This can lead to persistent skill shortages and mismatch which are costly for individuals, firms and society in terms of lost wages and lower productivity and growth.

2014-01 Michael Bowen-Jones The most comprehensive match to the new 2014 Chemistry syllabus, this completely revised edition gives you unrivalled support for the new concept-based approach, the Nature of science. The only DP Chemistry resource that includes support directly from the IB, focused exam practice, TOK links and real-life applications drive achievement.

2023-07-07 S. Bobby Rauf Every non-fiction book has an objective or mission. The mission of this book is to give the reader an overview of the important principles, concepts and analytical techniques pertaining to thermodynamics, written in a fashion that makes this abstract and complex subject relatively easy to comprehend. The audience this text speaks to includes engineers, professionals with science and math backgrounds, energy professionals, and technicians. The content is presented in a way which also allows many non-engineering professionals to follow the material and glean useful knowledge. For energy engineers who have been away from direct engineering practice for a while, this book will serve as a quick and effective refresher. Thermodynamics topics such

as enthalpy, entropy, latent heat, sensible heat, heat of fusion, and heat of sublimation are explained and illustrated in detail. Also covered are phases of substances, the law of conservation of energy, SFEE, the first and second laws of thermodynamics, ideal gas laws, and pertinent formulas. The author examines various thermodynamic processes, as well as heat and power cycles such as Rankine and Carnot. Case studies are used to illustrate various thermodynamics principles, and each chapter concludes with a list of questions or problems for self-assessment, with answers provided at the end of the book.

2015 United States. Congress. House.

Committee on Education and the Workforce 2019-07-01 EARNEST, JOSHUA "I encourage all those who will read this book, will promote both directly and indirectly the use and awareness of wind energy as a clean and viable source of electric power." —THOMAS ACKERMAN, Ph.D., Wind Power Author and Founder, Energynautics GmbH, Germany "Those who will read this book, will be well prepared to work in the wind power sector and participate in the important task to develop a renewable energy system which can stop the global climate change." —TORE WIZELIUS, Wind Power Author, Teacher and Wind Project Developer, Sweden "This book provides a valuable technical information on small wind turbines that will allow students to become amateur wind engineers and entrepreneurs in this growing industry."

—Urban Green Energy, USA This comprehensive textbook, now in its third edition, incorporates significant improvements based on the readers' suggestions and demands. It provides engineering students with the principles of different types of grid connected renewable energy sources and, in particular, the detailed underpinning knowledge required to understand the different types of grid connected wind turbines. New to the Third Edition • Revised Chapter 1 providing considerable amount of current information and technologies related to various types of renewable energy technologies • One new chapter on 'Electronics in Renewable Energy Systems' (Chapter 15) Designed as a textbook for Renewable Energy courses offered in the most of the Indian universities, the book not only serves for the one-semester stream-

specific course on Renewable Energy or Wind Energy for diploma and senior level undergraduate students of electrical, mechanical, electronics and instrumentation engineering, but also for the postgraduate engineering students undertaking energy studies. TARGET AUDIENCE • B.Tech/M.Tech (EEE/ECE/ME) • Diploma (engineering)

2021-01-04 Tianyu Liu

2014-09-29 Ross Abotteen From his birth on the West Bank of the Jordan River in Palestine in 1950 to present-day Texas, *A Space Mind* narrates the story of Ross Abotteen. This memoir explores the transitions of his life and his views, sharing his experiences from his birthplace in the Holy Land through Saudi Arabia and onto his final destiny with NASA in Houston. Growing up in meager circumstances in a small village, Abotteen recalls his family life as the youngest of seven brothers and one sister. *A Space Mind* follows his schooling in Dammam and his subsequent move to the United States where he excelled at electrical engineering. He became contractor for NASA's Lyndon B. Johnson Space Center in Houston, where he worked as a scientist, engineer, author, and inventor from 1974 to 2009. He also shares his struggles with mental illness and cancer and how that affected him and his family. Inspirational and educational, *A Space Mind* offers a glimpse into a man who lived an amazing life as a scientific engineer with roots in Arabia.

2014-06-28 D.P. Atherton This volume is the published Proceedings of selected papers from the IFAC Symposium, Swansea, 11-13 July 1988, where a forum was provided for discussion of the latest advances and techniques in the education of control and instrument engineers. Seven major topics were covered to aid lecturers in understanding, developing and presenting systems engineering - control and measurement - as a subject to undergraduate and postgraduate students. The teaching of real-time computer control as a topic and laboratory experiments for both continuous and discrete systems were discussed, as was process control, with the emphasis on providing the student with engineering experience by using scaled-down equipment which would teach practical skills. Included in the Proceedings are papers on measurement and instrumentation, an area felt

to be neglected within academic instruction. The development of software tools for systems design within systems engineering was included, as was the exchange of teaching packages and methods between academics, and the education curriculum of systems engineering within developing countries. These Proceedings will prove to be a useful up-to-date guide and reference source for all lecturers and professors involved in curriculum development and the teaching of control and measurement in systems engineering.

2020-05-20 Mary E. Kinsella This book provides insight into research and development of key aerospace materials that have enabled some of the most exciting air and space technologies in recent years. The stories are shared with you by the women who experienced them, those engineers and scientists in the labs, on the shop floors, or on the design teams contributing to the realization of these technologies. Their work contributes to the world in the challenging and vital field of aerospace materials, and their stories seethe with a pride and a passion for the opportunity to make these important contributions. As an important part of the Women in Science and Engineering book series, the work highlights the contribution of women leaders in Aerospace Materials, inspiring women and men, girls and boys to enter and apply themselves to secure our future in an increasingly connected world.

2014-05-16 G. G. Leininger *Computer Aided Design of Multivariable Technological Systems* covers the proceedings of the Second International Federation of Automatic Control (IFAC). The book reviews papers that discuss topics about the use of Computer Aided Design (CAD) in designing multivariable system, such as theoretical issues, applications, and implementations. The book tackles several topics relevant to the use of CAD in designing multivariable systems. Topics include quasi-classical approach to multivariable feedback system designs; fuzzy control for multivariable systems; root loci with multiple gain parameters; multivariable frequency domain stability criteria; and computational algorithms for pole assignment in linear multivariable systems. The text will be of great use to professionals whose work involves designing and implementing

multivariable systems.

2019-08-29 Jiexi Wang

2023-09-15 S. Bobby Rauf The purpose of this second edition is to provide an overview of important principles in the fields of finance and accounting, and the application of those principles for financial analysis of energy and non-energy capital investments. This book is written as a self-study guide for energy and non-energy engineers and managers who either lack formal training in the subjects of finance, accounting, and engineering economics, or simply need a means to refresh their knowledge in these subjects. This book bridges the gap between the typical business school "MBA" knowledge and its application in energy and non-energy engineering, project management or manufacturing management. Many energy and non-energy engineers and technical managers feel inadequately equipped to comprehend and apply certain important finance and accounting principles. Understanding of finance and accounting principles is important in interfacing and conducting business with accountants, financial analysts, and members of upper management. This book is designed to familiarize energy engineers and other engineering professionals - in a relatively simple and easy to understand fashion - with decision making skills founded on financial calculations and case study based quantitative analysis.

2018-07-12 Anne Waugh The new edition of the hugely successful Ross and Wilson Anatomy & Physiology in Health and Illness continues to bring its readers the core essentials of human biology presented in a clear and straightforward manner. Fully updated throughout, the book now comes with enhanced learning features including helpful revision questions and an all new art programme to help make learning even easier. The 13th edition retains its popular website, which contains a wide range of 'critical thinking' exercises as well as new animations, an audio-glossary, the unique Body Spectrum® online colouring and self-test program, and helpful weblinks. Ross and Wilson Anatomy & Physiology in Health and Illness will be of particular help to readers new to the subject area, those returning to study after a period of absence, and for anyone whose first language isn't English. Latest edition of the world's most

popular textbook on basic human anatomy and physiology with over 1.5 million copies sold worldwide Clear, no nonsense writing style helps make learning easy Accompanying website contains animations, audio-glossary, case studies and other self-assessment material, the unique Body Spectrum® online colouring and self-test software, and helpful weblinks Includes basic pathology and pathophysiology of important diseases and disorders Contains helpful learning features such as Learning Outcomes boxes, colour coding and design icons together with a stunning illustration and photography collection Contains clear explanations of common prefixes, suffixes and roots, with helpful examples from the text, plus a glossary and an appendix of normal biological values. Particularly valuable for students who are completely new to the subject, or returning to study after a period of absence, and for anyone whose first language is not English All new illustration programme brings the book right up-to-date for today's student Helpful 'Spot Check' questions at the end of each topic to monitor progress Fully updated throughout with the latest information on common and/or life threatening diseases and disorders Review and Revise end-of-chapter exercises assist with reader understanding and recall Over 150 animations - many of them newly created - help clarify underlying scientific and physiological principles and make learning fun

2020-02-13 Miroslav Mateev The book presents high-quality research papers presented at the 2nd American University in the Emirates International research conference, AUEIRC'18, organized by the American University in the Emirates, Dubai, held on November 13th-15th, 2018. The book is broadly divided into four sections: Sustainability and Smart Technology, Sustainability and Social Responsibility, Sustainability, Human Security and Legislation, Sustainability and Education. The topics covered under these sections are sustainable smart technology such as developing green curriculum for information technology, use ultrasonic velocity to predict quality of wheat, improve security features for visa system, factors affecting the cost of production of electricity and desalination plants, impact of smart traffic sensing in smart cities, smart healthcare system,

simulation of Grey wolf optimization algorithm in painting digital forensics. The topics covered for sustainability and creative industries such as sustainable concrete production, multimedia applications in digital transformation art, integrating biomimicry principles in sustainable architecture. Sustainability, human security and legislation covered topics of urban performance and sustainable environment, Eco-certification as response on climate change, the criminal offence of tax evasion in law: case study, skills engineering in sustainable counter defense against Cyber extremism, the international law and challenges of trans-boundary water resources governance, the legal status of nuclear energy: case study, sustainable energy development and nuclear energy legislation in UAE, corruption specific safety challenge, environmental management and sustainability, sustainable farming models for desert agro-ecosystems, future directions of climate change, earth and built environment towards new concept of sustainability, institution building from emotional intelligence perspective, virtue ethics, technology and sustainability, the role of humor in a sustainable education, HEIs practices and strategic decisions toward planning for sustainable education programs, TQM in higher education for sustainable future. The papers in this book present high-quality original research work, findings and practical development experiences.

2014-04-22 Angelo Baracca This book brings together a broad spectrum of authors, both from inside and from outside Cuba, who describe the development of Cuba's scientific system from the colonial period to the present. It is a unique documentation of the self-organizing power of a

local scientific community engaged in scientific research on an international level. The first part includes several contributions that reconstruct the different stages of the history of physics in Cuba, from its beginnings in the late colonial era to the present. The second part comprises testimonies of Cuban physicists, who offer lively insights from the perspective of the actors themselves. The third part presents a series of testimonies by foreign physicists, some of whom were directly involved in developing Cuban physics, in particular in the development of teaching and research activities in the early years of the Escuela de Física. The fourth part of the volume deals with some of the issues surrounding the publishing of scientific research in Cuba. Cuba's recent history and current situation are very controversial issues. Little is known about the development and status of higher education and scientific research on the island. However, Cuba has one of the highest proportions in the world of people with a university degree or doctorate and is known for its highly developed medical system. This book focuses on a comprehensive overview of the history of the development of one specific scientific discipline: physics in Cuba. It traces the evolution of an advanced research system in a developing country and shows a striking capacity to link the development of modern research with the concrete needs of the country and its population. A little known aspect is the active participation of several "western" physicists and technicians during the 1960s, the role of summer schools, organized by French, Italian, and other western physicists, as well as the active collaboration with European universities."p>