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Functionalized Polymers Narendra Pal Singh Chauhan 2021-05-14 Functionalized polymers are macromolecules to which chemically bound functional groups are attached which can be used as catalysts, reagents, protective groups, etc. Functionalized polymers have low cost, ease of processing and attractive features for functional organic molecules. Chemical reactions for the introduction of functional groups in polymers and the conversion of functional groups in polymers depend on different properties. Such properties are of great importance for functionalization reactions for possible applications of reactive polymers. This book deals with the synthesis and design of various functional polymers, the modification of preformed polymer backbones and their various applications.

Fundamentals of Conservation Biology Malcolm L. Hunter, Jr. 2009-03-12 In the new edition of this highly successful book, Malcolm Hunter and new co-author James Gibbs offer a thorough introduction to the fascinating and important field of conservation biology, focusing on what can be done to maintain biodiversity through management of ecosystems and populations. Starting with a succinct look at conservation and biodiversity, this book progresses to contend with some of the subject's most complex topics, such as mass extinctions, ecosystem degradation, and over exploitation. Discusses social, political, and economic aspects of conservation biology. Thoroughly revised with over six hundred new references and web links to many of the organizations involved in conservation biology, striking photographs and maps. Artwork from the book is available to instructors online at [www.blackwellpublishing.com/hunter](http://www.blackwellpublishing.com/hunter) and by request on CD-ROM.

The Local and the Digital in Environmental Communication Joana Díaz-Pont 2020-05-05 This volume interrogates the intertwining of the local and the digital in environmental communication. It starts by introducing a wave metaphor to tease out major shifts in the field, and situates the intersections of local places and digital networks in the beginning of a third wave. Investigations that feature the centrality of place and digital communication platforms show how we today, as researchers and practitioners, communicate the environment. Contributions identify the need for critical approaches that engage with the wider consequences of this changing media landscape, unpacking local and global tensions in environmental communication research. This empirical case study collection from different parts of the world shows that environmental activists and citizens creatively use digital technologies for campaign purposes. It identifies new environmental communication challenges and opportunities, as well as practices, of environmental activists, NGOs, citizens and local communities, in the fight for social and environmental justice.

Digital Literacies for Learning Allan Martin 2006 In the 21st century, digital tools enable information to be generated faster and in greater profusion than ever before, to the point where its extent and value are literally beyond imagining. Such quantities can only be meaningfully addressed using more digital tools, and thus our relationship to information is fundamentally changed. This situation presents a particular challenge to processes of learning and teaching, and demands a response from both information professionals and educators. Enabling education in a digital environment means not only changing the form in which learning opportunities are offered, but also enabling students to survive and prosper in digitally based learning environments. This collection brings together a global community of educators, educational researchers, librarians and IT strategists, to consider how learners need to be equipped in an educational environment that is increasingly suffused with digital technology. Traditional notions of literacy need to be challenged, and new literacies, including information literacy and IT literacy, need to be considered as foundation elements for digitally involved learners. Leading international experts from the USA, Canada, Australia, New Zealand, South Africa, Mexico and throughout Europe contribute to the debate, and Hannelore Rader, Librarian and Dean of the University Libraries, University of Louisville, Kentucky, provides the foreword. The book is in two parts: In Part 1, Literacies in the Digital Age, the contributors analyse how digital technologies have enabled transformative change in the ways in which learning can be constructed, and discuss the nature of the new literacies that have emerged in this new virtual and e-learning environment. In Part 2, Enabling and Supporting Digital Literacies, the contributors go on to consider the ways in which digital literacies can be made

available to learners, and how these literacies are being relocated in a more student-centred environment within the broader perspective of learning. Readership: This book takes the issues raised in the successful Information and IT Literacy, also co-edited by Allan Martin, into a broader context. It is essential reading for all information professionals and educators involved in developing strategies and practices for learning in a digital age.

Research Methodologies, Innovations and Philosophies in Software Systems Engineering and Information Systems Mora, Manuel 2012-02-29 Philosophical paradigms, theoretical frameworks, and methodologies make up the answering and problem solving systems that define current research approaches. While there are multiple research method books, the subject lacks an update and integrated source of reference for graduate courses. Research Methodologies, Innovations and Philosophies in Software Systems Engineering and Information Systems aims to advance scientific knowledge on research approaches used in systems engineering, software engineering, and information systems and to update and integrate disperse and valuable knowledge on research approaches. This aims to be a collection of knowledge for PhD students, research-oriented faculty, and instructors of graduate courses.

ECIW2009-8th European Conference on Information Warfare and Security Henrique Santos 2009

Engineering and Technology Enrollments 1986

Unlocking the Property Market John Lindeman 2015-09-28 The 7 keys to property investment success Brimming with fresh content designed to suit current trends in the market, Unlocking the Property Market shares expert property market analyst John Lindeman's tips and techniques on where to buy, what to buy, how much to pay, and when to sell. Written with your needs in mind, Lindeman reveals the seven keys to property investment success and shows you how to unlock the property market's secrets. The media talks up a housing market boom one minute and then warns of a crash the next, but the housing market's behaviour is predictable. Housing prices move slowly upwards, and then they stagnate for some years?and may even fall for a year or two. However, there are always suburbs in any market that go against the grain and offer property investors a chance to secure the highest returns in the shortest possible time in any market condition. To find these properties, follow John Lindeman in Unlocking the Property Market and successfully discover the seven keys to property investment success including:

Understand how the market works and find locations with the best growth potential Know where and when to buy and the best time to sell Narrow down your property search, decide what to buy and determine how much to pay. If you're a private housing investor or just starting out in the field looking for authoritative, accessible information on the topic, Unlocking the Property Market gives you the confidence and know-how to successfully obtain the best possible results from property investment.

Directory of Members American Statistical Association 1995

The National Agricultural Directory 2011 2010

Intersection and Interchange Design National Research Council (U.S.). Transportation Research Board 1993

Recent Advances in Environmental Science from the Euro-Mediterranean and Surrounding Regions (2nd Edition)

Mohamed Ksibi 2021-04-09 This book includes over three hundred and seventy-five short papers presented during the second EMCEI, which was held in Sousse, Tunisia in October 2019. After the success of the first EMCEI in 2017, the second installment tackled emerging environmental issues together with new challenges, e.g. by focusing on innovative approaches that contribute to achieving a sustainable environment in the Mediterranean and surrounding regions and by highlighting to decision makers from related sectors the environmental considerations that should be integrated into their respective activities. Presenting a wide range of environmental topics and new findings relevant to a variety of problems in these regions, this volume will appeal to anyone working in the subject area and particularly to students interested in learning more about new advances in environmental research initiatives in view of the worsening environmental degradation of the Mediterranean and surrounding regions, which has made environmental and resource protection into an increasingly important issue hampering sustainable development and social welfare.

Structural Engineering Handbook Edwin Henry Gaylord 1979

Project Management for Engineering, Business and Technology John M. Nicholas 2020-08-02 Project Management for Engineering, Business and Technology is a highly regarded textbook that addresses project management across all industries. First covering the essential background, from origins and philosophy to methodology, the bulk of the book is dedicated to concepts and techniques for practical application. Coverage includes project initiation and proposals, scope and task definition, scheduling, budgeting, risk analysis, control, project selection and portfolio management, program management, project organization, and all-important "people" aspects—project leadership, team building, conflict resolution, and stress management. The systems development cycle is used as a framework to discuss project management in a variety of situations, making this the go-to book for managing virtually any kind of project, program, or task force. The authors focus on the ultimate purpose of project management—to unify and integrate the interests, resources and work efforts of many stakeholders, as well as the planning, scheduling, and budgeting needed to accomplish overall project goals. This sixth edition features: updates throughout to cover the latest developments in project management methodologies; a new chapter on project procurement management and contracts; an expansion of case study coverage throughout, including those on the topic of sustainability and climate change, as well as cases and examples from across the globe, including India, Africa, Asia, and Australia;

and extensive instructor support materials, including an instructor's manual, PowerPoint slides, answers to chapter review questions and a test bank of questions. Taking a technical yet accessible approach, this book is an ideal resource and reference for all advanced undergraduate and graduate students in project management courses, as well as for practicing project managers across all industry sectors.

Advances in Materials Processing IX Jun Wang 2010-06-02 Materials processing is an important and essential step in the production of useful products, and is one of the major wealth-generating activities. With the increasing demand for the production of high precision, high integrity and high density devices and systems in modern life, materials processing has become more important than ever before. Following on from the previous eight publications in the series, "Asia-Pacific Conference on Materials Processing", this volume presents the latest developments in this field, and a new understanding of the underlying mechanisms.

Advances in Mechatronics and Machinery Dong Ming Guo 2017-07-24 This book collected by results of the 20th International Conference on Mechatronics Technology (ICMT 2016, October 28 - 31, 2016, Dalian, P.R. China). Collected papers represent the latest developments in the field of mechatronics, industrial measurements, design of equipment and machines for precision manufacturing. The aim of the book is to provide a valuable reference for researchers and engineers in the field of mechatronics and machinery design, who wish to further understand the underlying mechanisms and create new and practical technologies, devices and systems.

Sociology Robert Van Krieken 2013-09-12 Building upon the success of previous editions, this fully revised edition of Sociology lays the foundations for understanding sociology in Australia. The depth and breadth of the book ensures its value not only for first-year students, but for sociology majors requiring on-going reference to a range of theoretical perspectives and current debates. This fifth Australian edition continues to build on the book's reputation for coverage, clarity and content, drawing upon the work of leading Australian sociologists as well as engaging with global social trends and sociological developments.

1999 IEEE AFRICON 1999

Handbook of Magnetic Hybrid Nanoalloys and their Nanocomposites Sabu Thomas 2023-01-05 This comprehensive reference work satisfies the need for in-depth and multidisciplinary coverage of the current state of the art of magnetic hybrid nanoalloys (MHNAs) and their polymer and ceramic nanocomposites. MHNAs represent one of the most challenging research areas in modern science and technology. These materials are stiff and strong with remarkable electronic, mechanical, electrical, thermal and biocompatible properties, and a high potential for multifunctional applications ranging from industry to medicine. The peer-reviewed literature is already extensive, witnessing rapid progress in experimental and theoretical studies on fundamental properties as well as various advanced applications. Part 1 covers theory, modelling, and synthesis (growth and alloying mechanisms) of MHNAs. Formation mechanisms of magneto-electric multiferroic materials, magnetic carbon nanotube (CNTs), and perovskite materials, which are a novel class of next-generation multifunctional nanomaterials, are discussed. The second part focuses on characterization techniques for electrical and dielectrical, rheological, biocompatibility, and other properties, as well as applications in the industrial, agricultural, environmental, and biomedical sectors. Finally, life cycle assessment is considered as essential to the development of nanomaterials and nanoproducts from MHNAs. Advanced undergraduate and graduate students, researchers, and other professionals in the fields of materials science and engineering, polymer science, surface science, bioengineering, and chemical engineering will find comprehensive and authoritative information for solving fundamental and applied problems in the characterization and use of these multifunctional nanomaterials.

South African Directory of Black Managers 1997

Who's Who of Southern Africa S. V. Hayes 1996-11-30

Applied Thermodynamics and Heat Transfer Ivan Ivanovich Novikov 1963 Bearing in mind the large relative significance of problems involved in the removal of heat from the nuclear reactors and its conversion into other types of energy, the basic information on thermodynamics and heat transfer are treated. (Author).

Who's who of Southern Africa 2001 Vols. for 1967-70 include as a section: Who's who of Rhodesia, Mauritius, Central and East Africa.

Civil Engineering 2004

Biomedical Visualisation Paul M. Rea 2020-11-19 This edited book explores the use of technology to enable us to visualise the life sciences in a more meaningful and engaging way. It will enable those interested in visualisation techniques to gain a better understanding of the applications that can be used in visualisation, imaging and analysis, education, engagement and training. The reader will be able to explore the utilisation of technologies from a number of fields to enable an engaging and meaningful visual representation of the biomedical sciences, with a focus in this volume related to anatomy, and clinically applied scenarios. The first six chapters in this volume show the wide variety of tools and methodologies that digital technologies and visualisation techniques can be utilised and adopted in the educational setting. This ranges from body painting, clinical neuroanatomy, histology and veterinary anatomy through to real time visualisations and the uses of digital and social media for anatomical education. The last four chapters represent the diversity that technology has to be able to use differing realities and 3D capture in medical visualisation, and how remote visualisation techniques have developed. Finally, it concludes with an

analysis of image overlays and augmented reality and what the wider literature says about this rapidly evolving field. Advanced Designs and Researches for Manufacturing Peng Cheng Wang 2012-12-13 Volume is indexed by Thomson Reuters CPCI-S (WoS). The studies presented here cover the topics of product design, manufacturing and analysis, management and production scheduling, supply chains, CAD/CAM/CAE, reliability, fault diagnostics and quality monitoring, measurement techniques, technologies and equipment, dynamic analysis of mechanical systems and mechanical transmissions, fluid power transmission and control, mechatronics, industrial robotics, control technologies and intelligent systems, electronic and microelectronic technology, embedded systems, signal and intelligent information processing, software and computers in research and engineering solutions.

Sustainable Engineering Practice 2004 Sustainable Engineering Practice: An Introduction provides a broad, fundamental understanding of sustainability principles and their application to engineering work. It is intended to fill a need for a primer on sustainability that can be introduced early in an engineer's career: it brings together all the basic dimensions of the history, concepts, and applications of sustainable engineering; and through a variety of examples and references, inspires and encourages engineers to pursue and integrate sustainable engineering into their work on a life-long basis. The report contains: background summary of the role and accomplishments of engineers in sustainable development. The complete report, Engineers and Sustainable Development, is contained on the accompanying CD ROM; summary of the major commitments made and implementation activities agreed upon at the World Summit on Sustainable Development, held in Johannesburg, South Africa, in September 2002, and the initial steps taken by the U.S. engineering community and its global partners; wide spectrum of examples, which describe how sustainability principles can and are being integrated and applied in engineering education, research will benefit from this primer on sustainable development and its concepts and applications.

Applied Materials Technologies Amjad Ali 2022-08-16 Special topic volume with invited peer-reviewed papers only Handbook of Climate Change Resilience Walter Leal Filho 2019-08-26 Climate resilience, or the capacity of socio-ecological systems to adapt and upkeep their functions when facing physical-chemical stress, is a key feature of ecosystems and communities. As the risks and impacts of climate change become more intense and more visible, there is a need to foster a broader understanding of both the impacts of these disruptions to food, water, and energy supplies and to increase resilience at the national and local level. The Handbook of Climate Change Resilience comprises a diverse body of knowledge, united in the objective of building climate resilience in both the industrialised and the developing world. This unique publication will assist scientists, decision-makers and community members to take action to make countries, regions and cities more resilient.

Civil Structural Health Monitoring Carlo Rainieri 2021-08-24 This volume gathers the latest advances and innovations in the field of structural health monitoring, as presented at the 8th Civil Structural Health Monitoring Workshop (CSHM-8), held on March 31–April 2, 2021. It discusses emerging challenges in civil SHM and more broadly in the fields of smart materials and intelligent systems for civil engineering applications. The contributions cover a diverse range of topics, including applications of SHM to civil structures and infrastructures, innovative sensing solutions for SHM, data-driven damage detection techniques, nonlinear systems and analysis techniques, influence of environmental and operational conditions, aging structures and infrastructures in hazardous environments, and SHM in earthquake prone regions. Selected by means of a rigorous peer-review process, they will spur novel research directions and foster future multidisciplinary collaborations.

Report Writing Style Guide for Engineering Students Anne Winckel 2002

Building an Ecosystem Approach to Aquaculture Doris Soto 2008 520 Aquaculture growth worldwide involves the expansion of cultivated areas, a higher density of aquaculture installations and farmed individuals, and greater use of feed resources produced outside the immediate culture area. To ensure that such development of the sector does not carry negative impacts on the environment and on parts of society due to weak regulation or poor management, an ecosystem approach for aquaculture (EAA) is encouraged. These proceedings consider aspects relevant for an ecosystem-based management in aquaculture. The document also includes two comprehensive reviews covering the status of brackish, marine and freshwater aquaculture within an ecosystem approach perspective.--Publisher's description.

Biobased and Environmentally Benign Coatings Atul Tiwari 2016-03-29 This book will have the recent information on the developments in the emerging field of environmental-friendly coatings. Crucial aspects associated with coating research will be presented in form of the individual chapters. Close attention will be paid to include essential aspects that are necessary to understand the properties and applications of the novel materials. Different methods and techniques of synthesis and characterization will be detailed as individual chapters. It will also discuss the characterization techniques used in the area of such coatings. there will be chapters that describe the current status and future prospects. The topics will be selected so they are easy to understand and useful to new scholars as well as advanced learners. No book has been written on this subject so far.

Public Management and Governance Tony Bovaird 2004-06-02 First published in 2003. Routledge is an imprint of Taylor & Francis, an informa company.

Advanced Engineering Materials III Jing Long Bu 2013-08-30 Selected, peer reviewed papers from the 3rd International Conference on Advanced Engineering Materials and Technology (AEMT 2013), May 11-12, 2013,

Zhangjiajie, China

Indigenous Knowledge and Climate Governance Eromose Ebhuoma 2022-06-04 This book investigates indigenous knowledge systems (IKS) in sub-Saharan Africa, thereby highlighting its role in facilitating adaptation to climate variability and change, and also demystifying the challenges that prevent it from being integrated with scientific knowledge in climate governance schemes. Indigenous people and their priceless knowledge rarely feature when decision-makers prepare for future climate change. This book showcases how Indigenous knowledge facilitates adaptation to climate change, including how collaborations with scientific knowledge have cascaded into building people's resilience to climatic risks. This book also pays delicate attention to the factors fueling epistemic injustice towards Indigenous knowledge, which hampers it from featuring in climate governance schemes across sub-Saharan Africa. The key insights shared in this book illuminate the issues that contribute meaningfully towards the actualisation of the UN SDG 13 and promote mechanisms for raising capacity for effective climate change-related planning and management in sub-Saharan Africa.

Who Owns Whom in South Africa 2008

Chemical Research Faculties American Chemical Society 1996

Africa's Greatest Entrepreneurs Moky Makura 2012-09-19 Who are the real power brokers in Africa? Who are the dynamic entrepreneurs making things happen on the continent? How did they do it and what are their personal stories? *Africa's Greatest Entrepreneurs* is a unique collection of stories about 16 of the most successful entrepreneurs and business visionaries currently operating in Africa. Each chapter is dedicated to a single entrepreneur and focuses on a sometimes tumultuous, often challenging, but mostly exciting journey to success. This fascinating and well-researched book examines the life of each entrepreneur and maps out the path each elected to follow in tackling and overcoming the obstacles that stood in the way of the realisation of their dreams. Meet, among others, Kagiso Mmusi, the Motswana transport millionaire; Richard Maponya, the South African retail giant behind Soweto's Maponya Mall; Kwabena Adjei, the rags-to-riches Ghanaian millionaire; Wale Tinubu, the Nigerian head of the Oando oil and gas giant; Ndaba Ntsele, the South African king of high finance; and Mo Ibrahim, the Sudanese-born telecoms millionaire. Each story is inspiring and informative in its own unique way. Makura sheds light on the different historical, political and economic power structures that helped create - and in some cases frustrate - these business heroes. The book shines the spotlight on and provides an unprecedented insight into a new breed of African hero - some of whose stories have never been told until now.

Theories of Information Behavior Karen E. Fisher 2005 This unique book presents authoritative overviews of more than 70 conceptual frameworks for understanding how people seek, manage, share, and use information in different contexts. A practical and readable reference to both well-established and newly proposed theories of information behavior, the book includes contributions from 85 scholars from 10 countries. Each theory description covers origins, propositions, methodological implications, usage, links to related conceptual frameworks, and listings of authoritative primary and secondary references. The introductory chapters explain key concepts, theory-method connections, and the process of theory development.