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KEY=VOLUME - JORDAN HANNAH

Oxford Handbook of Nanoscience and Technology

Volume 1: Basic Aspects

OUP Oxford These three volumes are intended to shape the field of nanoscience and technology and will serve as an essential point of reference for cutting-edge research in the field.

The Oxford Handbook of Music Performance, Volume 1

Oxford University Press "Volume 2 of the Oxford Handbook of Music Performance is designed around four distinct sections: Enhancements, Health and Wellbeing, Science, and Innovations. Chapters on the popular Feldenkrais method and Alexander technique open the volume, and these lead to chapters on peak performance and mindfulness, stage behavior, impression management and charisma, enhancing music performance appraisal, and how to build a career and the skills and competencies needed to be successful. The section dealing with health and wellbeing surveys the brain mechanisms involved in music learning and performing and musical activities in people with disabilities, performance anxiety, diseases and health risks in instrumentalists, hearing and voice, and finally, a discussion of how to promote a healthy related lifestyle. The first six chapters of the Science section cover the basic science underlying the operation of wind, brass, string instruments, and the piano, and two chapters covering the solo voice and vocal ensembles. The final two chapters explain digital musical instruments and the practical issues that researchers and performers face when using motion capture technology to study movement during musical performances. The four chapters of the Innovations section address the types of technological and social and wellbeing innovations that are reshaping how musicians conceive their performances in the twenty-first century"--

The Oxford Handbook of Technology and Music Education

Oxford University Press "Few aspects of daily existence are untouched by technology. Learning and teaching music are no exceptions and arguably have been impacted as much or more than other areas of life. Digital technologies have come to affect music learning and teaching in profound ways, influencing how we create, listen, share, consume, and interact with music--and conceptualize musical practices and the musical experience. For a discipline as entrenched in tradition as music education, this has brought forth myriad views on what does and should constitute music learning and teaching. To tease out and elucidate some of the salient problems, interests, and issues, The Oxford Handbook of Technology and Music Education critically situates technology in relation to music education from a variety of perspectives--historical, philosophical, socio-cultural, pedagogical, musical, economic, policy--organized around four broad themes: Emergence and Evolution; Locations and Contexts; Social and Cultural Issues; Experiencing, Expressing, Learning and Teaching; and Competence, Credentialing, and Professional Development. Chapters from a highly diverse group of junior and senior scholars provide analyses of technology and music education through intersections of gender, theoretical perspective, geographical distribution, and relationship to the field. The Oxford Handbook of Technology

and Music Education's dedication to diversity and forward-facing discussion promotes contrasting perspectives and conversational voices rather than reinforce traditional narratives and prevailing discourses."-- \$c Book jacket.

The Oxford Handbook of Information and Communication Technologies

Oxford University Press, USA The production and consumption of Information and Communication Technologies (or ICTs) have become embedded within our societies. This handbook is about the many challenges presented by ICTs. It sets out an intellectual agenda that examines the implications of ICTs for individuals, organisations, democracy, and the economy

The Oxford Handbook of Digital Technology and Society

Oxford University Press, USA Required reading for anyone interested in the profound relationship between digital technology and society Digital technology has become an undeniable facet of our social lives, defining our governments, communities, and personal identities. Yet with these technologies in ongoing evolution, it is difficult to gauge the full extent of their societal impact, leaving researchers and policy makers with the challenge of staying up-to-date on a field that is constantly in flux. The Oxford Handbook of Digital Technology and Society provides students, researchers, and practitioners across the technology and social science sectors with a comprehensive overview of the foundations for understanding the various relationships between digital technology and society. Combining robust computer-aided reviews of current literature from the UK Economic and Social Research Council's commissioned project "Ways of Being in a Digital Age" with newly commissioned chapters, this handbook illustrates the upcoming research questions and challenges facing the social sciences as they address the societal impacts of digital media and technologies across seven broad categories: citizenship and politics, communities and identities, communication and relationships, health and well-being, economy and sustainability, data and representation, and governance and security. Individual chapters feature important practical and ethical explorations into topics such as technology and the aging, digital literacies, work-home boundary, machines in the workforce, digital censorship and surveillance, big data governance and regulation, and technology in the public sector. The Oxford Handbook of Digital Technology and Society will equip readers with the necessary starting points and provocations in the field so that scholars and policy makers can effectively assess future research, practice, and policy.

Handbook of Chlor-Alkali Technology

Volume I: Fundamentals, Volume II: Brine Treatment and Cell Operation, Volume III: Facility Design and Product Handling, Volume IV: Operations, Volume V: Corrosion, Environmental Issues, and Future Developments

Springer Science & Business Media Concentrated treatment of all aspects of technology and handling directly related to the products of electrolysis. Thoroughly up to date and should become the standard reference in its field.

The Oxford Handbook of Functional Brain Imaging in Neuropsychology and Cognitive Neurosciences

Oxford University Press A large part of the contemporary cognitive neuroscience literature involves functional neuroimaging, yet few readers are sufficiently familiar with it to appraise that literature correctly. The purpose of this Handbook is to enable them to understand the neuroimaging methods and evaluate their present contributions and future promise in the fields of cognitive neuroscience and neuropsychology. The chapters contain very accessible descriptions of the various methods and an objective account of their clinical and research applications.

Handbook of Fish Biology and Fisheries Fisheries

John Wiley & Sons Recent decades have witnessed strong declines in fish stocks around the globe, amid growing concerns about the impact of fisheries on marine and freshwater biodiversity. Fisheries biologists and managers are therefore increasingly asking about aspects of ecology, behaviour, evolution and biodiversity that were traditionally studied by people working in very separate fields. This has highlighted the need to work more closely together, in order to help ensure future success both in management and conservation. The Handbook of Fish Biology and Fisheries has been written by an international team of scientists and practitioners, to provide an overview of the biology of freshwater and marine fish species together with the science that supports fisheries management and conservation. This volume, subtitled Fisheries, focuses on a wide range of topics, including the history of fisheries science, methods of capture, marketing, economics, major models used in stock assessments and forecasting, ecosystem impacts, marine protected areas and conservation. It builds on material in Volume 1, Fish Biology, which ranges from phylogenetics and biogeography to physiology, recruitment, life histories, genetics, foraging, reproductive behaviour and community ecology. Together, these books present the state of the art in our understanding of fish biology and fisheries and will serve as valuable references for undergraduates and graduates looking for a comprehensive source on a wide variety of topics in fisheries science. They will also be useful to researchers who need up-to-date reviews of topics that impinge on their fields, and decision makers who need to appreciate the scientific background for management and conservation of aquatic ecosystems. To order volume II, go to the box in the top right hand corner. Alternatively to order volume I, go to: <http://www.blackwellpublishing.com/book.asp?ref=0632054123> or to order the 2 volume set, go to: <http://www.blackwellpublishing.com/book.asp?ref=0632064838>. Provides a unique overview of the study of fish biology and ecology, and the assessment and management of fish populations and ecosystems. The first volume concentrates on aspects of fish biology and ecology, both at the individual and population levels, whilst the second volume addresses the assessment and management of fish populations and ecosystems. Written by an international team of expert scientists and practitioners. An invaluable reference tool for both students, researchers and practitioners working in the fields of fish biology and fisheries.

The Oxford Handbook of Engineering and Technology in the Classical World

Oxford University Press Nearly every aspect of daily life in the Mediterranean world and Europe during the florescence of the Greek and Roman cultures is relevant to engineering and technology. This text highlights the accomplishments of the ancient societies, the research problems, and stimulates further progress in the history of ancient technology.

Handbook of Food Science, Technology, and Engineering - 4 Volume Set

CRC Press Advances in food science, technology, and engineering are occurring at such a rapid rate that obtaining current, detailed information is challenging at best. While almost everyone engaged in these disciplines has accumulated a vast variety of data over time, an organized, comprehensive resource containing this data would be invaluable to have. The

Handbook of Laser Technology and Applications (Three- Volume Set)

CRC Press The invention of the laser was one of the towering achievements of the twentieth century. At the opening of the twenty-first century we are witnessing the burgeoning of the myriad technical innovations to which that invention has led. The Handbook of Laser Technology and Applications is a practical and long-lasting reference source for scientists a

The Oxford Handbook of Sound and Imagination

Oxford Handbooks Whether social, cultural, or individual, the act of imagination always derives from a pre-existing context. For example, we can conjure an alien's scream from previously heard wildlife recordings or mentally rehearse a piece of music while waiting for a train. This process is no less true for the role of imagination in sonic events and artifacts. Many existing works on sonic imagination tend to discuss musical imagination through terms like compositional creativity or performance technique. In this two-volume Handbook, contributors address this tendency head-on, correcting the current bias towards visual imagination to instead highlight the many forms of sonic and musical imagination. Topics covered include auditory imagery and the neurology of sonic imagination; aural hallucination and

illusion; use of metaphor in the recording studio; the projection of acoustic imagination in architectural design; and the design of sound artifacts for cinema and computer games.

Handbook of Tableau Methods

Springer Science & Business Media Recent years have been blessed with an abundance of logical systems, arising from a multitude of applications. A logic can be characterised in many different ways. Traditionally, a logic is presented via the following three components: 1. an intuitive non-formal motivation, perhaps tie it in to some application area 2. a semantical interpretation 3. a proof theoretical formulation. There are several types of proof theoretical methodologies, Hilbert style, Gentzen style, goal directed style, labelled deductive system style, and so on. The tableau methodology, invented in the 1950s by Beth and Hintikka and later perfected by Smullyan and Fitting, is today one of the most popular, since it appears to bring together the proof-theoretical and the semantical approaches to the pre of a logical system and is also very intuitive. In many universities it is sentation the style first taught to students. Recently interest in tableaux has become more widespread and a community crystallised around the subject. An annual tableaux conference is being held and proceedings are published. The present volume is a Handbook a/Tableaux pre senting to the community a wide coverage of tableaux systems for a variety of logics. It is written by active members of the community and brings the reader up to frontline research. It will be of interest to any formal logician from any area.

The Oxford Handbook of Innovation

Oxford University Press This handbook provides academics and students with a comprehensive and holistic understanding of the phenomenon of innovation.

Encyclopedic Handbook of Emulsion Technology

CRC Press A discussion of fundamental characteristics, theories and applications for liquid-liquid colloidal dispersions. It profiles experimental and traditional measurement techniques in a variety of emulsified systems, including rheology, nuclear magnetic resonance, dielectric spectroscopy, microcalorimetry, video enhanced microscopy, and conductivity.

Using the Engineering Literature, Second Edition

CRC Press With the encroachment of the Internet into nearly all aspects of work and life, it seems as though information is everywhere. However, there is information and then there is correct, appropriate, and timely information. While we might love being able to turn to Wikipedia® for encyclopedia-like information or search Google® for the thousands of links on a topic, engineers need the best information, information that is evaluated, up-to-date, and complete. Accurate, vetted information is necessary when building new skyscrapers or developing new prosthetics for returning military veterans While the award-winning first edition of Using the Engineering Literature used a roadmap analogy, we now need a three-dimensional analysis reflecting the complex and dynamic nature of research in the information age. Using the Engineering Literature, Second Edition provides a guide to the wide range of resources available in all fields of engineering. This second edition has been thoroughly revised and features new sections on nanotechnology as well as green engineering. The information age has greatly impacted the way engineers find information. Engineers have an effect, directly and indirectly, on almost all aspects of our lives, and it is vital that they find the right information at the right time to create better products and processes. Comprehensive and up to date, with expert chapter authors, this book fills a gap in the literature, providing critical information in a user-friendly format.

Handbook of Gas Sensor Materials

Properties, Advantages and Shortcomings for Applications Volume 2: New Trends and Technologies

Springer Science & Business Media The two volumes of Handbook of Gas Sensor Materials provide a detailed and comprehensive account of materials for gas sensors, including the properties and relative advantages of various materials. Since these sensors can be applied for the automation of myriad industrial processes, as well as for everyday monitoring of such activities as public safety, engine performance, medical therapeutics, and in many other situations, this handbook is of great value. Gas sensor designers will find a treasure trove of material in these two books.

The Oxford Handbook of Tense and Aspect

Oxford University Press This Handbook is a comprehensive, authoritative, and accessible guide to the topics and theories that current form the front line of research into tense, aspect, and related areas.

Handbook of Research on Web 2.0, 3.0, and X.0: Technologies, Business, and Social Applications

Technologies, Business, and Social Applications

IGI Global "This book provides a comprehensive reference source on next generation Web technologies and their applications"--Provided by publisher.

International Handbook of E-Learning Volume 2

Implementation and Case Studies

Routledge The International Handbook of e-Learning, Volume 2 provides a comprehensive compendium of implementation and practice in all aspects of e-learning, one of the most significant ongoing global developments in the entire field of education. Covering the integration, challenges, implications, and context-appropriate use of open education networks, blended learning, mobile technologies, social media, and other platforms in a variety of unique international settings, these thirty contributions illustrate the wide-ranging applications and solutions made possible by this rapidly growing new paradigm. Case studies are driven by empirical research and attention to cultural specificity, while future research needs are discussed in relation to both confirmed practice and recent changes in the field. The book will be of interest to anyone seeking to create and sustain meaningful, supportive learning environments within today's anytime, anywhere framework, from teachers, administrators, and policy makers to corporate and government trainers.

Handbook of Modern Ferromagnetic Materials

Springer Science & Business Media Below is a copy of Professor Takeshi Takei's original preface that he wrote for my first book, Modern Ferrite Technology. I was proud to receive this preface and include it here with pride and affection. We were saddened to learn of his death at 92 on March 12, 1992. Preface It is now some 50 years since ferrites debuted as an important new category of magnetic materials. They were prized for a range of properties that had no equivalents in existing metal magnetic materials, and it was not long before full-fledged research and development efforts were underway. Today, ferrites are employed in a truly wide range of applications, and the efforts of the many men and women working in the field are yielding many highly intriguing results. New, high-performance products are appearing one after another, and it would seem we have only scratched the surface of the hidden possibilities of these fascinating materials. Dr. Alex Goldman is well qualified to talk about the state of the art in ferrites. For many years Dr. Goldman has been heavily involved in the field as director of the research and development division of Spang & Co. and other enterprises. This book, Modern Ferrite Technology, based in part on his own experiences, presents a valuable overview of the field. It is testimony to his commitment and bountiful knowledge about one of today's most intriguing areas of technology.

Handbook of Ancient Afro-Eurasian Economies

Volume 1: Contexts

Walter de Gruyter GmbH & Co KG The notion of the “Silk Road” that the German geographer Ferdinand von Richthofen invented in the 19th century has lost attraction to scholars in light of large amounts of new evidence and new approaches. The handbook suggests new conceptual and methodological tools for researching ancient economic exchange in a global perspective with a strong focus on recent debates on the nature of pre-modern empires. The interdisciplinary team of Chinese, Indian and Graeco-Roman historians, archaeologists and anthropologists that has written this handbook compares different forms of economic development in agrarian and steppe regions in a period of accelerated empire formation during 300 BCE and 300 CE. It investigates inter-imperial zones and networks of exchange which were crucial for ancient Eurasian connections. Volume I provides a comparative history of the most important empires forming in Northern Africa, Europe and Asia between 300 BCE and 300 CE. It surveys a wide range of evidence that can be brought to bear on economic development in these empires, and takes stock of the ways academic traditions have shaped different understandings of economic and imperial development as well as Silk-Road exchange in Russia, China, India and Western Graeco-Roman history.

Handbook on Radiation Probing, Gauging, Imaging and Analysis

Volume II: Applications and Design

Springer Science & Business Media The need for this book arose from my teaching, engineering, and - search experience in the non-power aspects of nuclear technology. The lack of a comprehensive textbook in industrial applications of radiation frustrated my students, who had to resort to a multitude of textbooks and research publications to familiarize themselves with the fundamental and practical aspects of radiation technology. As an engineer, I had to acquire the design aspects of radiation devices by trial-and-error, and often by accidental reading of a precious publication. As a researcher and a supervisor of graduate students, I found that the needed literature was either hard to find, or too scattered and diverse. More than once, I discovered that what appeared to be an exciting new idea was an old concept that was tried a few decades earlier during the golden era of “Atom for Peace”. I am hoping, therefore, that this book will serve as a single comprehensive reference source in a growing field that I expect will continue to expand. This book is directed to both neophytes and experts, and is written to combine the old and the new, the basic and the advanced, the simple and the complex. It is anticipated that this book will be of help in - living older concepts, improving and expanding existing techniques and promoting the development of new ones.

The Oxford Handbook of Quantitative Methods in Psychology: Vol. 2

Statistical Analysis

Oxford University Press The Oxford Handbook of Quantitative Methods in Psychology provides an accessible and comprehensive review of the current state-of-the-science and a one-stop source for learning and reviewing current best-practices in quantitative methods across the social, behavioral, and educational sciences.

The Handbook of Discourse Analysis

John Wiley & Sons The Handbook of Discourse Analysis makes significant contributions to current research and serves as a comprehensive and authoritative guide to the central issues in contemporary discourse analysis. Features comprehensive coverage of contemporary discourse analysis. Offers an overview of how different disciplines approach the analysis of discourse. Provides analysis of a wide range of data, including political speeches, everyday conversation, and literary texts. Includes a varied range of theoretical models, such as relevance theory and systemic-functional linguistics; and methodology, including interpretive, statistical, and formal methods. Features comprehensive coverage of contemporary discourse analysis.

Handbook of Food Science, Technology, and Engineering

CRC Press

Handbook of Research Methods and Applications in Empirical Macroeconomics

Edward Elgar Publishing This comprehensive Handbook presents the current state of art in the theory and methodology of macroeconomic data analysis. It is intended as a reference for graduate students and researchers interested in exploring new methodologies, but can also be employed as a graduate text. The Handbook concentrates on the most important issues, models and techniques for research in macroeconomics, and highlights the core methodologies and their empirical application in an accessible manner. Each chapter is largely self-contained, whilst the comprehensive introduction provides an overview of the key statistical concepts and methods. All of the chapters include the essential references for each topic and provide a sound guide for further reading. Topics covered include unit roots, non-linearities and structural breaks, time aggregation, forecasting, the Kalman filter, generalised method of moments, maximum likelihood and Bayesian estimation, vector autoregressive, dynamic stochastic general equilibrium and dynamic panel models. Presenting the most important models and techniques for empirical research, this Handbook will appeal to students, researchers and academics working in empirical macro and econometrics.

Handbook of Food Products Manufacturing, 2 Volume Set

John Wiley and Sons The Handbook of Food Products Manufacturing is a definitive master reference, providing an overview of food manufacturing in general, and then covering the processing and manufacturing of more than 100 of the most common food products. With editors and contributors from 24 countries in North America, Europe, and Asia, this guide provides international expertise and a truly global perspective on food manufacturing.

Environmental Technology Handbook

2nd Edition

CRC Press Historically, the development of civilization has upset much of the earth's ecosystem leading to air, land, and water pollution. The author defines pollution as the introduction of a foreign substance into an ecosystem via air, land or water. This book delves into issues that effect the everyday lives of people who come in contact with these hazards. By examining these issues, this body of work aims to stimulate debate and offer solutions to the ever-growing threat to the environment and humanity. Includes problems with each chapter, Explores issues such as control of gaseous emissions, waste recycling and waste disposal, Explains physical and thermal methods of waste management, Provides definitions and resources for future reference, Discusses the history of environmental technology.

Instrument Engineers' Handbook, Volume One

Process Measurement and Analysis

CRC Press Unsurpassed in its coverage, usability, and authority since its first publication in 1969, the three-volume Instrument Engineers' Handbook continues to be the premier reference for instrument engineers around the world. It helps users select and implement hundreds of measurement and control instruments and analytical devices and design the most cost-effective process control systems that optimize production and maximize safety. Now entering its fourth edition, Volume 1: Process Measurement and Analysis is fully updated with increased emphasis on installation and maintenance consideration. Its coverage is now fully globalized with product descriptions from manufacturers around the world. Béla G. Lipták speaks on Post-Oil Energy Technology on the AT&T Tech Channel.

Handbook of Polymer Science and Technology

CRC Press This handbook focuses on physical, structural, and compositional properties of elastomeric materials and plastics. It provides a broad overview of the physical and physicochemical properties of synthetic rubbers that are used in conventional cured applications.

Handbook of Modal Logic

Elsevier The Handbook of Modal Logic contains 20 articles, which collectively introduce contemporary modal logic, survey current research, and indicate the way in which the field is developing. The articles survey the field from a wide variety of perspectives: the underlying theory is explored in depth, modern computational approaches are treated, and six major applications areas of modal logic (in Mathematics, Computer Science, Artificial Intelligence, Linguistics, Game Theory, and Philosophy) are surveyed. The book contains both well-written expository articles, suitable for beginners approaching the subject for the first time, and advanced articles, which will help those already familiar with the field to deepen their expertise. Please visit:

http://people.uleth.ca/~woods/RedSeriesPromo_WP/PubSLPR.html - Compact modal logic reference - Computational approaches fully discussed - Contemporary applications of modal logic covered in depth

The Oxford Handbook of Philosophy of Technology

"The Oxford Handbook of Philosophy of Technology gives readers a view into this increasingly vital and urgently needed domain of philosophical understanding, offering an in-depth collection of leading and emerging voices in the philosophy of technology. The thirty-two contributions in this volume cut across and connect diverse philosophical traditions and methodologies. They reveal the often-neglected importance of technology for virtually every subfield of philosophy, including ethics, epistemology, philosophy of science, metaphysics, aesthetics, philosophy of language, and political theory. The Handbook also gives readers a new sense of what philosophy looks like when fully engaged with the disciplines and domains of knowledge that continue to transform the material and practical features and affordances of our world, including engineering, arts and design, computing, and the physical and social sciences. The chapters reveal enduring conceptual themes concerning technology's role in the shaping of human knowledge, identity, power, values, and freedom, while bringing a philosophical lens to the profound transformations of our existence brought by innovations ranging from biotechnology and nuclear engineering to artificial intelligence, virtual reality, and robotics. This new collection challenges the reader with provocative and original insights on the history, concepts, problems, and questions to be brought to bear upon humanity's complex and evolving relationship to technology"--

Computing Information Directory

The Oxford Handbook of Affective Computing

Oxford Library of Psychology The Oxford Handbook of Affective Computing is the definitive reference for research in Affective Computing (AC), a growing multidisciplinary field encompassing computer science, engineering, psychology, education, neuroscience, and many other disciplines. The handbook explores how affective factors influence interactions between humans and technology, how affect sensing and affect generation techniques can inform our understanding of human affect, and on the design, implementation, and evaluation of systems that intricately involve affect at their core.

Handbook of Residual Stress and Deformation of Steel

ASM International Annotation Examines the factors that contribute to overall steel deformation problems. The 27 articles address the effect of materials and processing, the measurement and prediction of residual stress and distortion, and residual stress formation in the shaping of materials, during hardening processes, and during manufacturing processes. Some of the topics are the stability and relaxation behavior of macro and micro residual stresses, stress determination in coatings, the effects of process equipment design, the application of metallo-thermo-mechanics to quenching, inducing compressive stresses through controlled shot peening, and the origin and assessment of residual stresses during welding and brazing. Annotation c. Book News, Inc., Portland, OR (booknews.com)

The Industrial Electronics Handbook - Five Volume Set

CRC Press Industrial electronics systems govern so many different functions that vary in complexity—from the operation of relatively simple applications, such as electric motors, to that of more complicated machines and systems, including robots and entire fabrication processes. The Industrial Electronics Handbook, Second Edition combines traditional and new

The Oxford Handbook of Management Information Systems

Critical Perspectives and New Directions

Oxford University Press This Handbook provides critical, interdisciplinary contributions from leading international academics on the theory and methodology, practical applications, and broader context of Management Information Systems, as well as offering potential avenues for future research

Handbook on Aerosols

Chapters from the Summary Technical Report of Division 10, National Defense Research Committee

Research Handbook on the Economics of Intellectual Property Law

Vol 1: Theory Vol 2: Analytical Methods

Edward Elgar Publishing Both law and economics and intellectual property law have expanded dramatically in tandem over recent decades. This field-defining two-volume Handbook, featuring the leading legal, empirical, and law and economics scholars studying intellectual property rights, provides wide-ranging and in-depth analysis both of the economic theory underpinning intellectual property law, and the use of analytical methods to study it.