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Commodifying Bodies

Preprints of a Symposium, University of Leiden, the Netherlands, 26-29 June 1995

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Managing Major Sports Events

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The Positive Philosophy of Auguste Comte National Academies Press

Symmetry is all around us. Of fundamental significance to the way we interpret the world, this unique, pervasive phenomenon indicates a dynamic relationship between objects. Combining a rich historical narrative with his own personal journey as a mathematician, Marcus du Sautoy takes a unique look into the mathematical mind as he explores deep conjectures about symmetry and brings us face-to-face with the oddball mathematicians, both past and present, who have battled to understand symmetry's elusive qualities.

Applying Communication Theory for Professional Life Royal Society of Chemistry

At last, here is a baseline book for anyone who is confused by cryptic computer programs, algorithms and formulae, but wants to learn about applied bioinformatics. Now, anyone who can operate a PC, standard software and the internet can also learn to understand the biological basis of bioinformatics, of the existence as well as the source and availability of bioinformatics software, and how to apply these tools and interpret results with confidence. This process is aided by chapters that introduce important aspects of bioinformatics, detailed bioinformatics exercises (including solutions), and to cap it all, a glossary of definitions and terminology relating to bioinformatics.

Analytical Therapy for the Next Generation of Passive Sustainable Architecture Elsevier

Mobile Museums presents an argument for the importance of circulation in the study of museum collections, past and present. It brings together an impressive array of international scholars and curators from a wide variety of disciplines - including the history of science, museum anthropology and postcolonial history - to consider the mobility of collections. The book combines historical perspectives on the circulation of museum objects in the past with contemporary accounts of their re-mobilisation, notably in the context of Indigenous community engagement. Contributors seek to explore processes of circulation historically in order to re-examine, inform and unsettle common assumptions about the way museum collections have evolved over time and through space. By foregrounding questions of circulation, the chapters in Mobile Museums collectively represent a fundamental shift in the understanding of the history and future uses of museum collections. The book addresses a variety of different types of collection, including the botanical, the ethnographic, the economic and the archaeological. Its perspective is truly global, with case studies drawn from South America, West Africa, Oceania, Australia, the United States, Europe and the UK. Mobile Museums helps us to understand why the mobility of museum collections was a fundamental aspect of their history and why it continues to matter today. Praise for Mobile Museums 'This book advances a paradigm shift in studies of museums and collections. A distinguished group of contributors reveal that collections are not dead assemblages. The nineteenth and twentieth centuries were marked by vigorous international traffic in ethnography and natural history specimens that tell us much about colonialism, travel and the history of knowledge - and have implications for the remobilisation of

museums in the future.' - Nicholas Thomas, University of Cambridge 'The first major work to examine the implications and consequences of the migration of materials from one scientific or cultural milieu to another, it highlights the need for a more nuanced understanding of collections and offers insights into their potential for future re-mobilisation.' - Arthur MacGregor

Or, The Theory of Being; an Introduction to General Metaphysics Springer

This extraordinary book explains the engine that has catapulted the Internet from backwater to ubiquity—and reveals that it is sputtering precisely because of its runaway success. With the unwitting help of its users, the generative Internet is on a path to a lockdown, ending its cycle of innovation—and facilitating unsettling new kinds of control. iPods, iPhones, Xboxes, and TiVos represent the first wave of Internet-centered products that can't be easily modified by anyone except their vendors or selected partners. These “tethered appliances” have already been used in remarkable but little-known ways: car GPS systems have been reconfigured at the demand of law enforcement to eavesdrop on the occupants at all times, and digital video recorders have been ordered to self-destruct thanks to a lawsuit against the manufacturer thousands of miles away. New Web 2.0 platforms like Google mash-ups and Facebook are rightly touted—but their applications can be similarly monitored and eliminated from a central source. As tethered appliances and applications eclipse the PC, the very nature of the Internet—its “generativity,” or innovative character—is at risk. The Internet's current trajectory is one of lost opportunity. Its salvation, Zittrain argues, lies in the hands of its millions of users. Drawing on generative technologies like Wikipedia that have so far survived their own successes, this book shows how to develop new technologies and social structures that allow users to work creatively and collaboratively, participate in solutions, and become true “netizens.”

An Introduction Getty Publications

Good old Gutenberg could not have imagined that his revolutionary printing concept which so greatly contributed to dissemination of knowledge and thus today 's wealth, would have been a source of inspiration five hundred years later. Now, it seems intuitive that a simple way to produce a large number of replicates is using a mold to emboss pattern you need, but at the nanoscale nothing is simple: the devil is in the detail. And this book is about the "devil". In the following 17 chapters, the authors—all of them well recognized and active actors in this emerging field—describe the state-of-the-art, today 's technological bottlenecks and the prospects for micro-contact printing and nanoimprint lithography. Many results of this book originate from projects funded by the European Commission through its "Nanotechnology Information Devices" (NID) initiative. NID was launched with the objective to develop nanoscale devices for the time when the red brick scenario of the ITRS roadmap would be reached. It became soon clear however, that there was no point to investigate only alternative devices to CMOS, but what was really needed was an integrated approach that took into account more facets of this difficult undertaking. Technologically speaking, this meant to have a coherent strategy to develop novel devices, nanofabrication tools and circuit & system architectures at the same time.

Biophilic and Bioclimatic Architecture Springer Nature

Higher Excited States of Polyatomic Molecules, Volume II focuses on a higher level of activity in vacuum ultraviolet spectroscopy. This book explores the Rydberg states in atoms and molecules. Comprised of five chapters, this volume starts with an overview of the two-center unsaturated molecules that usually display sharp Rydberg transitions originating with the pi electrons. This book then discusses the unsaturated double bond that adds another dimension to the spectrum. Other chapters explore the optical spectrum of the amide group, which is the basic chromophoric unit in polypeptides. This text further discusses the all-electron calculations of the electronic structure of the amide group that is performed in Gaussian orbital basis sets. This book considers as well the prominent characteristic of Rydberg excitations in benzene. The final chapter deals with the biological molecules that are polyfunctional in general. Analytical chemists, photochemists, molecular spectroscopists, and researchers will find this book extremely useful.

Stochastic Networks Open Book Publishers

Biophilic and Bioclimatic Architecture is a guide to innovative architectural design for architects, engineers and other specialists who are working with biophilic and bioclimatic architectural concepts. Biophilic and Bioclimatic Architecture has three parts: • Part I focuses on the relationship between architecture and human needs and the creation process, demonstrating the meaning of architectural value in architectural hypothesis. • Part II opens the way towards a new understanding of biophilic architecture as a response to the negative actions of humans and the negative effects of using natural resources. • Part III shows the benefits of combining the effects of the climate with the notion of human comfort in bioclimatic architecture.

Physics and Chance Elsevier

Natural and human-induced changes in Earth's interior, land surface, biosphere, atmosphere, and oceans affect all aspects of life. Understanding these changes requires a range of observations acquired from land-, sea-, air-, and space-based platforms. To assist NASA, NOAA, and USGS in developing these tools, the NRC was asked to carry out a "decadal strategy" survey of Earth science and applications from space that would develop the key scientific questions on which to focus Earth and environmental observations in the period 2005-2015 and beyond, and present a prioritized list of space programs, missions, and supporting activities to address these questions. This report presents a vision for the Earth science program; an analysis of the existing Earth Observing System and recommendations to help restore its capabilities; an assessment of and recommendations for new observations and missions for the next decade; an examination of and recommendations for effective application of those observations; and an analysis of how best to sustain that observation and applications system.

Applied Bioinformatics Cambridge University Press

An introduction to pharmaceutical chemistry for undergraduate pharmacy, chemistry and medicinal chemistry students. Essentials of Pharmaceutical Chemistry is a chemistry introduction that covers all of the core material necessary to provide an understanding of the basic chemistry of drug molecules. Now a core text on many university courses, it contains numerous worked examples and problems. The 4th edition includes new chapters on Chromatographic Methods of Analysis, and Medicinal Chemistry - The Science of Drug Design.

Routledge

This book provides up-to-date information on bioinformatics tools for the discovery and development of new drug molecules. It discusses a range of computational applications, including three-dimensional modeling of protein structures, protein-ligand docking, and molecular dynamics simulation of protein-ligand complexes for identifying desirable drug candidates. It also explores computational approaches for identifying potential drug targets and for pharmacophore modeling. Moreover, it presents structure- and ligand-based drug design tools to optimize known drugs and guide the design of new molecules. The book also describes methods for identifying small-molecule binding pockets in proteins, and summarizes the databases used to explore the essential properties of drugs, drug-like small molecules and their targets. In addition, the book highlights various tools to predict the absorption, distribution, metabolism, excretion (ADME) and toxicity (T) of potential drug candidates. Lastly, it reviews in silico tools that can facilitate vaccine design and discusses their limitations.

Why Do We Quote? Pharmaceutical Press

Bridging the fields of conservation, art history, and museum curating, this volume contains the principal papers from an international symposium titled "Historical Painting Techniques, Materials, and Studio Practice" at the University of Leiden in Amsterdam, Netherlands, from June 26 to 29, 1995. The symposium—designed for art historians, conservators, conservation scientists, and museum curators worldwide—was organized by the Department of Art History at the University of Leiden and the Art History Department of the Central Research Laboratory for Objects of Art and Science in Amsterdam. Twenty-five contributors representing museums and conservation institutions throughout the world provide recent research on historical painting techniques, including wall painting and polychrome sculpture. Topics cover the latest art historical research and scientific analyses of original techniques and materials, as well as historical sources, such as medieval treatises and descriptions of painting techniques in historical literature. Chapters include the painting methods of Rembrandt and Vermeer, Dutch 17th-century landscape painting, wall paintings in English churches, Chinese paintings on paper and canvas, and Tibetan thangkas. Color plates and black-and-white photographs illustrate works from the Middle Ages to the 20th century.

Earth Science and Applications from Space Yale University Press

Updated Edition of Bestseller! Applying Communication Theory for Professional Life, by Marianne Dainton and Elaine D. Zelle is the first communication theory textbook to provide practical material for career-oriented readers. Featuring new case studies, updated examples, and the latest research, the Fourth Edition of this bestseller introduces communication theory in a way that helps you understand its importance to careers in communication and business. Real-world case studies within each chapter are designed to illustrate the application of theory in a variety of professional settings. New to the Fourth Edition All case studies now include specific questions about ethical issues associated with the narrative of the case and how knowledge of theory can help you negotiate these ethical dilemmas. The simulated "Education as Entertainment Theory" includes apps and other new media forms of educational content, keeping you up-to-date with the latest technology. Four new case studies have been added to show you how the theories are tied to recent events. The cases are titled: 1. "You're Fired" 2. "Bad Move" 3. "Million Dollar Manipulation" 4. "The (New) Media Culture

Wars” New research and scholarship for all theories can be found in the “Chapter Summaries” and “Research Applications” of each chapter. Numerous political examples have been added to reflect the increasingly divergent political rhetoric in the United States.

A Mathematical Journey Harper Collins

Testimonios brings together first-person narratives from the vibrant, diverse, and complex Latinx and Hispanic mathematical community. Starting with childhood and family, the authors recount their own individual stories, highlighting their upbringing, education, and career paths. Their particular stories, told in their own voices, from their own perspectives, give visibility to some of the experiences of Latinx/Hispanic mathematicians. Testimonios seeks to inspire the next generation of Latinx and Hispanic mathematicians by featuring the stories of people like them, holding a mirror up to our own community. It also aims to provide a window for mathematicians (and aspiring mathematicians) from all ethnicities, with the hope of inspiring a better understanding of the diversity of the mathematical community.

Or, Elements of the Natural History of Insects, Comprising an Account of Noxious and Useful Insects, of Their Metamorphoses, Food, Stratagems, Habitations, Societies, Motions, Noises, Hybernation, Instinct, Etc., Etc BoD – Books on Demand

This book expounds on progress made over the last 35 years in the theory, synthesis, and application of triboluminescence for creating smart structures. It presents in detail the research into utilization of the triboluminescent properties of certain crystals as new sensor systems for smart engineering structures, as well as triboluminescence-based sensor systems that have the potential to enable wireless, in-situ, real time and distributed (WIRD) structural health monitoring of composite structures. The sensor component of any structural health monitoring (SHM) technology — measures the effects of the external load/event and provides the necessary inputs for appropriate preventive/corrective action to be taken in a smart structure — sits at the heart of such a system. This volume explores advances in materials properties and structural behavior underlying creation of smart composite structures and sensor systems for structural health monitoring of critical engineering structures, such as bridges, aircrafts, and wind blades.

Philosophical Issues in the Foundations of Statistical Mechanics Oxford University Press

All-carbon composites are carbon materials reinforced with other carbon materials, typically nanostructures such as carbon nanofibers or nanotubes. There are a large number of all-carbon materials, many of which demonstrate unique and useful sets of properties. Combining and hybridising different carbon materials and nanomaterials together also opens up a number of possibilities to fine-tune the materials for desirable combinations of these properties. All-carbon Composites and Hybrids provides a broad overview of these materials including discussions of synthesis, characterisation and the applications of a wide variety of all-carbon composite materials. This will be a useful volume for any researchers interested in carbon and nanotechnology.

Miniinvasive Techniques in Rhinoplasty Springer Nature

Managing Major Sports Events: Theory and Practice is a complete introduction to the principles and practical skills that underpin the running and hosting of major sports events, from initial bid to post-event legacy and sustainability. Now in a fully-revised and updated new edition, the book draws on the latest research from across multiple disciplines; explores real-world situations, and emphasises

practical problem-solving skills. It covers every key area in the event management process, including: • Bidding, leadership, and planning • Marketing and human resource management • Venues and ceremonies • Communications and technology (including social media) • Functional area considerations (including sport, protocol, and event services) • Security and risk management • Games-time considerations • Event wrap-up and evaluation • Legacy and sustainability This revised edition includes expanded coverage of cutting-edge topics such as digital media, culture, human resources, the volunteer workforce, readiness, security, and managing Games-time. Each chapter combines theory, practical decision-making exercises and case studies of major sports events from around the world, helping students and practitioners alike to understand and prepare for the reality of executing major events on an international scale. Also new to this edition is an ‘Outlook, Trends and Innovations’ section in each chapter, plus ‘tips’ by leading events professionals. Managing Major Sports Events: Theory and Practice is an essential textbook for any course on sports event management or international sports management, and an invaluable resource for all sport management researchers, practitioners and policy-makers. Online resources include PowerPoint slides, multiple choice questions, essay questions and decision-making exercises.

Collections in circulation Macmillan International Higher Education

Research and literature on nanomaterials has exploded in volume in recent years. Nanotubes (both of carbon and inorganic materials) can be made in a variety of ways, and they demonstrate a wide range of interesting properties. Many of these properties, such as high mechanical strength and interesting electronic properties relate directly to potential applications. Nanowires have been made from a vast array of inorganic materials and provide great scope for further research into their properties and possible applications. This book provides a comprehensive and up-to-date survey of the research areas of carbon nanotubes, inorganic nanotubes and nanowires including: synthesis; characterisation; properties; applications Nanotubes and Nanowires includes an extensive list of references and is ideal both for graduates needing an introduction to the field of nanomaterials as well as for professionals and researchers in academia and industry.

Introduction to Polymer Science and Technology Springer Science & Business Media

Ideal for undergraduate students in philosophy and science studies, Philosophy of Technology offers an engaging and comprehensive overview of a subject vital to our time. An up-to-date, accessible overview of the philosophy of technology, defining technology and its characteristics. Explores the issues that arise as technology becomes an integral part of our society. In addition to traditional topics in science and technology studies, the volume offers discussion of technocracy, the romantic rebellion against technology. Complements The Philosophy of Technology: The Technological Condition: An Anthology, edited by Robert C. Scharff and Val Dusek (Blackwell, 2003).

Nanotubes and Nanowires Springer Science & Business Media

The book covers the subject of membrane bioreactors (MBR) for wastewater treatment, dealing with municipal as well as industrial wastewaters. The book details the 3 types of MBR available and discusses the science behind the technology, their design features, operation, applications, advantages, limitations, performance, current research activities and cost. As the demand for wastewater treatment, recycling and re-use technologies increases, it is envisaged that the membrane separation bioreactor will corner the market. Contents Membrane Fundamentals

Biological Fundamentals Biomass Separation Membrane Bioreactors Membrane Aeration and
Extractive Bioreactors Commercial Membrane Bioreactor Systems Membrane Bioreactor Applications
Case Studies

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