Architetture Software Concetti Luca Cabibbo

This is the last in the series of Sir John Boardman's acclaimed handbooks on Greek sculpture; a sequel to similar volumes on the Archaic and Classical periods. Here, the story continues through the fourth century B.C. to the days of Alexander the Great. The innovations of the period are discussed, such as the female nude and portraiture, along with many important monuments including the Mausoleum of Halicarnassus and several of the great names such as Praxiteles and Lysippus who were lionized by later generations. The volume also presents Greek sculpture made in the colonies of Italy and Sicily from the Archaic period onwards, as well as that made for eastern, non-Greek rulers. A final section considers the role of Greek sculpture in moulding western taste to the present day.

The average age of the world’s population is increasing at an unprecedented rate and this increase is changing the world. This “Silver tsunami” emphasizes the need to provide advanced training in epidemiology and increase the cadre of experts in the study of aging. This book is designed to summarize unique methodological issues relevant to the study of aging, biomarkers of aging and the biology/physiology of aging and in-depth discussions of the etiology and epidemiology of common geriatric syndromes and diseases. Contributing authors in the book represent many disciplines, not only epidemiology and clinical geriatrics, but also demography, health services, research, cardiovascular disease, diabetes, psychiatry, neurology, social services, musculoskeletal diseases and cancer. The aim of the book is to provide a broad multidisciplinary background for any student/researcher interested in aging. The material in the book is organized and comprehensive. It represents the most up-to-date information on the scientific issues in aging research written by academics who specialize in research and training in the broad field of aging. The structure and organization of the book reflects our course series in the Epidemiology of Aging starting with the broad issues of demography and methodology, and then addressing specific health conditions and geriatric conditions common to older persons.

The April 2012 Global Financial Stability Report assesses changes in risks to financial stability over the past six months, focusing on sovereign vulnerabilities, risks stemming from private sector deleveraging, and assessing the continued resilience of emerging markets. The report probes the implications of recent reforms in the financial system for market perception of safe assets, and investigates the growing public and private costs of increased longevity risk from aging populations.

The past twenty years have seen a number of breakthroughs in astrophysics and cosmology, some of which have been awarded Nobel prizes. These physics triumphs highlight the fact that while students need a solid grounding in the fundamentals of astrophysics and cosmology, sight of the basics of the fundamental interactions in physics must not be lost. This book presents papers based on lectures given at the 200th Course of the International School of Physics “Enrico Fermi”, on Gravitation and Cosmology, held in Varenna, Italy, from 3 - 12 July 2017. The aim of the school was to expose students to state-of-the-art research in the field of gravitational waves and cosmology, from both a theoretical and experimental point of view. Lectures were organized in such a way as to foster interaction between the two communities, and a wide range of topics was addressed. In the gravitational waves section, topics covered include experimental issues connected with gravitational wave detection and the new field of multi-messenger astronomy, as well as more astrophysical aspects. In the section on cosmology, there are contributions on the early universe, on the cosmic microwave background (CMB) and on redshift surveys. Other areas covered include a review of inflationary scenarios; the non-Gaussian features of primordial density fluctuations; and the physical mechanisms responsible for the spectral distortions of the blackbody spectrum of the CMB. The book provides an overview of important research developments and will be of interest to all students of gravitation and cosmology.

This book presents essays by eminent scholars from across the history of medicine, early science and European history, including those expert on the history of the book. The volume honors Professor Nancy Siraisi and reflects the impact that Siraisi's scholarship has had on a range of fields. Contributions address several topics ranging from the medical provenance of biblical commentary to the early modern emergence of pathological medicine. Along the way, readers may learn of the purchasing habits of physician-book collectors, the writing of history and the development of natural history. Modeling the interdisciplinary approaches championed by Siraisi, this volume attests to the enduring value of her scholarship while also highlighting critical areas of future research. Those with an interest in the history of science, the history of medicine and all related fields will find this work a stimulating and rewarding read.

This book focuses on "Nanometer Scale Science and Technology". This is one of the most rapidly expanding research fields and it is considered one of the most important issues in forming future societies. Nanoscience and nanotechnology are at the interface between physics, chemistry, engineering and, most importantly, biology. The most fundamental processes of living matter occur on the nanometer scale. Micro-electrical mechanical systems are approaching the dimensions of biological cells, opening up the possibility of connecting machines to individual cells. This book is based on local probes (STM, AFM, SNOM) and related supreme technological achievements. These topics are extensively covered in the book, mainly devoted to instrumentation aspects. From a more fundamental point of view it also covers advanced subjects such as clusters, nanocontacts, photonic band gap materials, atom manipulation by light, atom optics with Bose-Einstein condensates and quantum computing.

Over the past twenty-five years, mathematical concepts associated with geometric phases have come to occupy a central place in our modern understanding of the physics of electrons in solids. These 'Berry phases' describe the global phase acquired by a quantum state as the Hamiltonian is changed. Beginning at an elementary level, this book

provides a pedagogical introduction to the important role of Berry phases and curvatures, and outlines their great influence upon many key properties of electrons in solids, including electric polarization, anomalous Hall conductivity, and the nature of the topological insulating state. It focuses on drawing connections between physical concepts and provides a solid framework for their integration, enabling researchers and students to explore and develop links to related fields. Computational examples and exercises throughout provide an added dimension to the book, giving readers the opportunity to explore the central concepts in a practical and engaging way.

Self-assembly is one of the key concepts in contemporary soft condensed matter. It is an umbrella term which encompasses the various modes of spontaneous organization of micrometer-and submicrometer-sized particles into ordered structures of various degrees of complexity, yet it often relies on remarkably simple interactions and mechanisms. Self-assembly is one of the key principles used by nature to construct living matter, where it frequently takes place in a hierarchical fashion.This book contains the lectures from the Enrico Fermi summer school: Soft Matter Self-assembly, held in Varenna, Italy, in June and July 2015. The primary aim of the school was to cover the most exciting modern aspects of self-assembly in soft condensed matter physics, and to enable Ph.D. students and postdocs to engage with some of the most exciting and current topics in the physics of colloids through a series of mini-courses and seminars hosted by leading figures in the field.Subjects covered include: colloids with directional bonding; pathways of self-organization; self-assembly hydrodynamics; polymer structure and dynamics; liquid-crystal colloid dispersions; and self-organizing nanosystems.The proceedings also include two reprints from Reviews of Modern Physics, and will be of interest to both students and experts in the field.

A guide for experienced programmers demonstrates the core JavaScript language, offers examples of common tasks, and contains an extensive reference to JavaScript commands, objects, methods, and properties.

The main reason that led the Authors to write the further Electrical Circuit book is mainly due to request of their students to have an ordered collection of the lesson arguments. The topics covered by the book are those generally carried out in the first or second year of bachelor, without referring specifically to a specific engineering course. The Authors have tried to deal with the various topics in a simple way, sometimes by limiting the generality of the demonstrations, in order to increase the skills of the student in the application of the electrical circuit theory. At the same time the Authors have not limited the complexity of the matter but have tried to present in a fairly complete way the various components, the various behaviours and methods of solution. Finally, at the end of the main chapters there are some numerical examples fully solved so that it can be tested by the student the knowledge of the theoretical concepts.

Springer Advanced Texts in Chemistry New textbooks at all levels of chemistry appear with great regularity. Some fields like basic biochemistry, organic reaction mechanisms, and chemical ther modynamics are well represented by many excellent texts, and new or revised editions are published sufficiently often to keep up with progress in research. However, some areas of chemistry, especially many of those taught at the graduate level, suffer from a real lack of up-to-date textbooks. The most serious needs occur in fields that are rapidly changing. Textbooks in these subjects usually have to be written by scientists actually involved in the research which is advancing the field. It is not often easy to persuade such individuals to set time aside to help spread the knowledge they have accumulated. Our goal, in this series, is to pinpoint areas of chemistry where recent progress has outpaced what is covered in any available textbooks, and then seek out and persuade experts in these fields to produce relatively concise but instructive introductions to their fields. These should serve the needs of one semester or one quarter graduate courses in chemistry and biochemistry. In some cases the availability of texts in active research areas should help stimulate the creation of new courses. New York, New York CHARLES R.

This text represents a breakthrough in the process underlying the design of the increasingly common and important data-driven Web applications.

This book explores the technological advances and social interactions between interactive spaces, surfaces and devices, aiming to provide new insights into emerging social protocols that arise from the experimentation and long-term usage of interactive surfaces. This edited volume brings together researchers from around the world who investigate interactive surfaces and interaction techniques within large displays, wearable devices, software development, security and emergency management. Providing both theory and practical case studies, the authors look at current developments and challenges into 3D visualization, large surfaces, the interplay of mobile phone devices and large displays, wearable systems and head mounted displays (HMD’S), remote proxemics and interactive wall displays and how these can be employed throughout the home and work spaces. Collaboration Meets Interactive Spaces is both for researchers and industry practitioners, providing readers with a coherent narrative into the current state-of-the-art within interactive surfaces and pervasive display technology, providing necessary tools and techniques as interactive media increasingly permeates everyday contexts.

Physics.

Cambridge English Empower is more than just a course book - it's a complete solution for effective learning and teaching! This new general English course for adult and young adult learners combines course content from Cambridge University Press with validated assessment from the experts at Cambridge English Language Assessment. Empower's unique mix of engaging classroom materials and reliable assessment, with personalised online practice, enables learners to make consistent and measurable progress.

This comprehensive resource, shows you everything you need to develop, compile, debug, and run Java programs. This expert guide has been updated for Java Platform Standard Edition 6 (Java SE 6) and offers complete coverage of the Java language, its syntax, keywords, and fundamental programming principles. Also find information on Java's key API libraries, learn to create applets and servlets, and use JavaBeans. The author has even included expanded coverage of Swing--the toolkit that defines the look and feel of the modern Java GUI.

For the Galvani Bicentenary Celebrations, the University of Bologna and its Academy of Sciences singled out subnuclear physics as the field of scientific research to be associated with this important event, as it would best illustrate, for the new generation of students, the challenge inherent in fundamental sciences. Subnuclear physics has represented, ever since it was born, the new frontiers of Galilean science. In his opening lecture delivered on the first day of the new academic year, Professor Antonino Zichichi analytically reviewed the basic conceptual developments and main discoveries achieved in subnuclear physics since its birth in the 20th century. Given the importance of this field of fundamental research, Professor Zichichi was invited to expand the contents of his lecture into a book, and the outcome is this volume.

"A most charming, sexy, independent, and candid heroine; clever, literate dialog; and closely woven plotting will win immediate fans for this debut series." —Library Journal Starred review Seven Australian soldiers, carousing in Paris in 1918, unknowingly witness a murder, with devastating consequences. Ten years later, two are dead...under very suspicious circumstances. Phryne (pronounced Fry-Knee, to rhyme with briny) Fisher's friends, Bert and Cec (sometimes cabbies and sometimes men for hire), appeal to her for help. They were part of this group of soldiers in 1918 and they fear for their lives and for those of the other three men. It's only as Phryne delves into the investigation that she, too, remembers being in Montparnasse on that very same, and fatal, day. While Phryne is occupied with memories of Montparnasse past and the race to outpace the murderer, she finds troubles of a different kind at home. Her lover, Lin Chung, is about to be married. And the effect this is having on her own usually peaceful household is disastrous....

Advances and major investments in the field of neuroscience can enhance traditional behavioral science approaches to training, learning, and other applications of value to the Army. Neural-behavioral indicators offer new ways to evaluate how well an individual trainee has assimilated mission critical knowledge and skills, and can also be used to provide feedback on the readiness of soldiers for combat. Current methods for matching individual capabilities with the requirements for performing high-value Army assignments do not include neuropsychological, psychophysiological, neurochemical or neurogenetic components; simple neuropsychological testing could greatly improve training success rates for these assignments. Opportunities in Neuroscience for Future Army Applications makes 17 recommendations that focus on utilizing current scientific research and development initiatives to improve performance and efficiency, collaborating with pharmaceutical companies to employ neuropharmaceuticals for general sustainment or enhancement of soldier performance, and improving cognitive and behavioral performance using interdisciplinary approaches and technological investments. An essential guide for the Army, this book will also be of interest to other branches of military, national security and intelligence agencies, academic and commercial researchers, pharmaceutical companies, and others interested in applying the rapid advances in neuroscience to the performance of individual and group tasks.

Setting Aside All Authority is an important account and analysis of seventeenth-century scientific arguments against the Copernican system. Christopher M. Graney challenges the long-standing ideas that opponents of the heliocentric ideas of Copernicus and Galileo were primarily motivated by religion or devotion to an outdated intellectual tradition, and that they were in continual retreat in the face of telescopic discoveries. Graney calls on newly translated works by anti-Copernican writers of the time to demonstrate that science, not religion, played an important, and arguably predominant, role in the opposition to the Copernican system. Anti-Copernicans, building on the work of the Danish astronomer Tycho Brahe, were in fact able to build an increasingly strong scientific case against the heliocentric system at least through the middle of the seventeenth century, several decades after the advent of the telescope. The scientific case reached its apogee, Graney argues, in the 1651 New Almagest of the Italian Jesuit astronomer Giovanni Battista Riccioli, who used detailed telescopic observations of stars to construct a powerful scientific argument against Copernicus. Setting Aside All Authority includes the first English translation of Monsignor Francesco Ingoli’s essay to Galileo (disputing the Copernican system on the eve of the Inquisition’s condemnation of it in 1616) and excerpts from Riccioli's reports regarding his experiments with falling bodies.

Summary Spring in Action, 5th Edition is the fully updated revision of Manning's bestselling Spring in Action. This new edition includes all Spring 5.0 updates, along with new examples on reactive programming, Spring WebFlux, and microservices. You'll also find the latest Spring best practices, including Spring Boot for application setup and configuration. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Spring Framework makes life easier for Java developers. New features in Spring 5 bring its productivity-focused approach to microservices, reactive development, and other modern application designs. With Spring Boot now fully integrated, you can start even complex projects with minimal configuration code. And the upgraded WebFlux framework supports reactive apps right out of the box! About the Book Spring in Action, 5th Edition guides you through Spring's core features, explained in Craig Walls' famously clear style. You'll roll up your sleeves and build a secure database-backed web app step by step. Along the way, you'll explore reactive programming, microservices, service discovery, RESTful APIs, deployment, and expert best practices. Whether you're just discovering Spring or leveling up to Spring 5.0, this Manning classic is your ticket! What's inside Building reactive applications Spring MVC for web apps and RESTful web services Securing applications with Spring Security Covers Spring 5.0 Over 100,000 copies sold! About the Reader For intermediate Java developers. About the Author Craig Walls is a principal software engineer at Pivotal, a popular author, an enthusiastic supporter of Spring Framework, and a frequent conference speaker. Table of Contents PART 1 - FOUNDATIONAL SPRING Getting started with Spring Developing web applications Working with data Securing Spring Working with configuration properties PART 2 - INTEGRATED SPRING Creating REST services Consuming REST services Sending messages asynchronously Integrating Spring PART 3 - REACTIVE SPRING Introducing Reactor Developing reactive APIs Persisting data reactively PART 4 CLOUD-NATIVE SPRING Discovering services Managing configuration Handling failure and latency PART 5 - DEPLOYED SPRING Working with Spring Boot Actuator Administering Spring Monitoring Spring with JMX Deploying Spring

This book contains chapters based on 9 of the lectures delivered at the Enrico Fermi School of Physics Neutrino Physics and Astrophysics, held from 25 of July to 5 August 2011. The event was organized by the Italian Physical Society SIF jointly with the International School of Astro-particle Physics ISAPP, a network whose aim is to build up an astro-particle community of both astrophysicists and particle physicists.Included are chapters on Neutrino oscillation physics B. Kayser Double-beta decay E. Fiorini Light neutrinos in cosmology S. Pastor Neutrinos and the stars G.G. Raffelt High energy neutrinos and

Biophotonics and microscopy are highly inter-related fields in terms of both technological development and biomedical applications. Recent advances in microscopy have been paralleled by

new opportunities for biophotonics, including the investigation and manipulation of biological phenomena using light and its application to biomedicine. This book contains papers from the Enrico Fermi International School of Physics on Microscopy Applied to Biophotonics, held in Varenna, Italy, in July 2011. The lectures spanned the basic science of imaging, through advanced microscopy techniques, to the state-of-the-art in biomedical imaging, and were complemented by seminars from world leaders in biophotonics. Subjects covered include: an overview of biophotonics; fundamentals of microscopy and an introduction to nonlinear microscopy; fluorescence; lasers for biophotonics; and an introduction to ultra-microscopy.

This unique book weaves linguistic, cultural, and historical themes together to form a concise and accessible account of the development of the Slavic languages. Alexander Schenker demonstrates that inquiry into early Slavic culture requires an understanding of history, language, and texts and that an understanding of early Slavic writing is incomplete outside the context of medieval culture. Drawing on contemporary manuscripts and other primary sources, Schenker presents a historical sketch of Slavic settlement in Europe, tracing the migrations, the political maneuvers, and the integration of the Slavs into the medieval European cultural commonwealth. He next outlines the development of Slavic from its Indo-European origins to the breakup of Slavic linguistic unity and the formation of individual Slavic dialects. In a chapter devoted to the beginnings of Slavic writing, he includes a thematic classification of the oldest Slavic texts, a section on Slavic paleography, and a discussion of the formation of Old Church Slavonic and its role as the first Slavic literary language. An overview of the development of Slavic philology, samples of early Slavic writing with facsimile illustrations, maps, and a chronological table contribute further valuable material to this volume.

Summary Activiti in Action is a comprehensive tutorial designed to introduce developers to the world of business process modeling using Activiti. Before diving into the nuts and bolts of Activiti, this book presents a solid introduction to BPMN 2.0 from a developer's perspective. About the Technology Activiti streamlines the implemention of your business processes: with Activiti Designer you draw your business process using BPMN. Its XML output goes to the Activiti Engine which then creates the web forms and performs the communications that implement your process. It's as simple as that. Activiti is lightweight, integrates seamlessly with standard frameworks, and includes easy-to-use design and management tools. About the Book Activiti in Action introduces developers to business process modeling with Activiti. You'll start by exploring BPMN 2.0 from a developer's perspective. Then, you'll quickly move to examples that show you how to implement processes with Activiti. You'll dive into key areas of process modeling, including workflow, ESB usage, process monitoring, event handling, business rule engines, and document management integration. Written for business application developers. Familiarity with Java and BPMN is helpful but not required. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book. What's Inside Activiti from the ground up Dozens of real-world examples Integrate with standard Java tooling Table of Contents PART 1 INTRODUCING BPMN 2.0 AND ACTIVITI Introducing the Activiti framework BPMN 2.0: what's in it for developers? Introducing the Activiti tool stack Working with the Activiti process engine PART 2 IMPLEMENTING BPMN 2.0 PROCESSES WITH ACTIVITI Implementing a BPMN 2.0 process Applying advanced BPMN 2.0 and extensions Dealing with error handling Deploying and configuring the Activiti Engine Exploring additional Activiti modules PART 3 ENHANCING BPMN 2.0 PROCESSES Implementing advanced workflow Integrating services with a BPMN 2.0 process Ruling the business rule engine Document management using Alfresco Business monitoring and Activiti PART 4 MANAGING BPMN 2.0 PROCESSES? Managing the Activiti Engine

Narrative and Media, first published in 2006, applies narrative theory to media texts, including film, television, radio, advertising, and print journalism. Drawing on research in structuralist and post-structuralist theory, as well as functional grammar and image analysis, the book explains the narrative techniques which shape media texts and offers interpretive tools for analysing meaning and ideology. Each section looks at particular media forms and shows how elements such as chronology, character, and focalization are realized in specific texts. As the boundaries between entertainment and information in the mass media continue to dissolve, understanding the ways in which modes of story-telling are seamlessly transferred from one medium to another, and the ideological implications of these strategies, is an essential aspect of media studies.

Covers the important requirements of teaching databases with a modular and progressive perspective. This book can be used for a full course (or pair of courses), but its first half can be profitably used for a shorter course.

Nanoalloys, Second Edition, provides a self-contained reference on the physics and chemistry of nanoscale alloys, dealing with all important aspects that range from the theoretical concepts and the practical synthesis methods to the characterization tools. The book also covers modern applications of nanoalloys in materials science, catalysis or nanomedicine and discusses their possible toxicity. Covers fundamentals and applicative aspects of nanoalloys in a balanced presentation, including theoretical and experimental perspectives Describes physical and chemical approaches, synthesis and characterization tools Illustrates the potential benefit of alloying on various applications ranging from materials science to energy production and nanomedicine Updates and adds topics not fully developed at the time of the 1st edition, such as toxicity and energy applications

Addresses the issues facing Catholics and Christians in the new century to come, presenting advice and theology to support and help them.

Best-selling author, Walter Savitch, uses a conversational style to teach programmers problem solving and programming techniques with Java. Readers are introduced to object-oriented programming and important computer science concepts such as testing and debugging techniques, program style, inheritance, and exception handling. It includes thorough coverage of the Swing libraries and event driven programming. The Java coverage is a concise, accessible introduction that covers key language features. Thorough early coverage of objects is included, with an emphasis on applications over applets. The author includes a highly flexible format that allows readers to adapt coverage of topics to their preferred order. Although the book does cover such more advanced topics as inheritance, exception handling, and the Swing libraries, it starts from the beginning, and it teaches traditional, more basic techniques, such as algorithm design. The volume provides concise coverage of computers and Java objects, primitive types, strings, and interactive I/O, flow of control, defining classes and methods, arrays, inheritance, exception handling, streams and file I/O, recursion, window interfaces using swing objects, and applets and HTML. For Programmers.

Summary A developer-focused guide to writing applications using Spring Boot. You'll learn how to bypass the tedious configuration steps so that you can concentrate on your application's behavior. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology The Spring Framework simplifies enterprise

Java development, but it does require lots of tedious configuration work. Spring Boot radically streamlines spinning up a Spring application. You get automatic configuration and a model with established conventions for build-time and runtime dependencies. You also get a handy command-line interface you can use to write scripts in Groovy. Developers who use Spring Boot often say that they can't imagine going back to hand configuring their applications. About the Book Spring Boot in Action is a developer-focused guide to writing applications using Spring Boot. In it, you'll learn how to bypass configuration steps so you can focus on your application's behavior. Spring expert Craig Walls uses interesting and practical examples to teach you both how to use the default settings effectively and how to override and customize Spring Boot for your unique environment. Along the way, you'll pick up insights from Craig's years of Spring development experience. What's Inside Develop Spring apps more efficiently Minimal to no configuration Runtime metrics with the Actuator Covers Spring Boot 1.3 About the Reader Written for readers familiar with the Spring Framework. About the Author Craig Walls is a software developer, author of the popular book Spring in Action, Fourth Edition, and a frequent speaker at conferences. Table of Contents Bootstarting Spring Developing your first Spring Boot application Customizing configuration Testing with Spring Boot Getting Groovy with the Spring Boot CLI Applying Grails in Spring Boot Taking a peek inside with the Actuator Deploying Spring Boot applications APPENDIXES Spring Boot developer tools Spring Boot starters Configuration properties Spring Boot dependencies

Most reports of UFOs are cases of error or merely hoaxes. However a certain percentage defy all rational explanation. This study examines a number of cases that have been well documented and corroborated, yet remain unexplained.

Spring Boot in ActionSimon and Schuster