

Piero Gallo Fabio Salerno Cloud Mondadori Education

As the growing demand for mobile communications is constantly increasing, the need for better coverage, improved capacity, and higher transmission quality rises. Thus, a more efficient use of the radio spectrum is required. Smart antenna systems are capable of efficiently utilizing the radio spectrum and is a promise for an effective solution to the present wireless systems' problems while achieving reliable and robust high-speed high-data-rate transmission. The purpose of this book is to provide the reader a broad view of the system aspects of smart antennas. In fact, smart antenna systems comprise several critical areas such as individual antenna array design, signal processing algorithms, space-time processing, wireless channel modeling and coding, and network performance. In this book we include an overview of smart antenna concepts, introduce some of the areas that impact smart antennas, and examine the influence of interaction and integration of these areas to Mobile Ad-Hoc Networks. In addition, the general principles and major benefits of using space-time processing are introduced, especially employing multiple-input multiple-output (MIMO) techniques. Although Americans have shown interest in Italian Baroque art since the eighteenth century—Thomas Jefferson bought copies of works by Salvator Rosa and Guido Reni for his art gallery at Monticello, and the seventeenth-century Bolognese school was admired by

painters Benjamin West and John Singleton Copley—a widespread appetite for it only took hold in the early to mid-twentieth century. *Buying Baroque* tells this history through the personalities involved and the culture of collecting in the United States. The distinguished contributors to this volume examine the dealers, auction houses, and commercial galleries that provided access to Baroque paintings, as well as the collectors, curators, and museum directors who acquired and shaped American perceptions about these works, including Charles Eliot Norton, John W. Ringling, A. Everett Austin Jr., and Samuel H. Kress. These essays explore aesthetic trends and influences to show why Americans developed an increasingly sophisticated taste for Baroque art between the late eighteenth century and the 1920s, and they trace the fervent peak of interest during the 1950s and 1960s. A wide-ranging, in-depth look at the collecting of seventeenth- and eighteenth-century Italian paintings in America, this volume sheds new light on the cultural conditions that led collectors to value Baroque art and the significant effects of their efforts on America's greatest museums and galleries. In addition to the editor, contributors include Andrea Bayer, Virginia Brilliant, Andria Derstine, Marco Grassi, Ian Kennedy, J. Patrice Marandel, Pablo Pérez d'Ors, Richard E. Spear, and Eric M. Zafran.

This well-documented and fascinating book tells how, over the centuries, a series of visionaries, scientists, technologists, and politicians fostered the involvement of Italy in space exploration. The lives of these pioneers was often far from easy, yet they persevered. The fruits

of their efforts can today be witnessed in Italy's success within the cutting-edge space sector. Italy's history in space started at the end of the fourteenth century and continued with the development of fireworks. Later, the nineteenth century marked the beginning of research into rockets in a more scientific way. After World War II, rocket technology was advanced with the aid of German scientists, and in the 1960s Luigi Broglio, the father of Italian space exploration, designed the San Marco satellite. In 1979 the first Italian Space Plan was launched, but it was the foundation of the Italian Space Agency in 1988 that kick-started a program of exploration in various fields of cosmic research. The outcome was construction of the Vega launcher and collaboration in the International Space Station. Now the Italian space industry stands ready to play an important role in the Gateway orbital station. All of this history, and more, is explored in this riveting book.

Memoirs of the Dukes of Urbino, Volume I (of 3) But Dennistoun's Dukes of Urbino is not merely a history of the houses of Montefeltro and Della Rovere, of-viii- their famous and most brilliant Court, and of that part of Italy over which they held dominion, but really a work in belles-lettres too, discursive and amusing, as well as instructive. It deals not merely with history, as it seems we have come to understand the word, a thing of politics—in this case the futile and childish politics of the fifteenth and sixteenth centuries in Italy—but illustrates "the arms, arts, and literature of Italy from 1440 to 1630." And indeed this programme was carried out as well as it could be carried out at the time these volumes were

written. The book, which has long been almost unprocurable, is full, as it were, of a great leisure, crammed with all sorts of out-of-the-way learning and curious tales and adventures. Sometimes failing in art, and often we may think in judgment, Dennistoun never fails in this, that he is always interested in the people he writes of, interested in their quarrels and love affairs, their hair-breadth escapes and good fortunes. How eagerly he sides with Duke Guidobaldo, chased out of his city of Urbino by Cesare Borgia! It is as though he were assisting at that sudden flight at midnight, and, whole-heartedly the Duke's man as he was, almost fails to understand what Cesare was aiming at, and quite fails to see what Cesare saw too well—the helplessness of Italy, at the mercy, really, of the unconscious nations of the modern world. Such failures as this make his work, indispensable as it is, less valuable than it might have been, but they by no means detract from the general interest of the story. That is a quarry from which much has been hewn, and a good many of those enduring blocks which go to make up so popular and charming a work as John Inglesant came in the first instance from Dennistoun's volumes.

This book constitutes the refereed proceedings of the 15th International Conference on Image Analysis and Processing, ICIAP 2009, held in Vietri sul Mare, Italy, in September 2009. The 107 revised full papers presented together with 3 invited papers were carefully reviewed and selected from 168 submissions. The papers are organized in topical sections on computer graphics and image processing, low and middle level processing, 2D

and 3D segmentation, feature extraction and image analysis, object detection and recognition, video analysis and processing, pattern analysis and classification, learning, graphs and trees, applications, shape analysis, face analysis, medical imaging, and image analysis and pattern recognition.

From an environmental point of view, mountains are particularly sensitive and important for monitoring the state of health of our planet. Only through distribution of meteorological and atmospheric composition monitoring points in mountain regions, coupled with modelling simulations, will we be able to thoroughly analyze complex pollutant transport mechanisms and better understand imminent global changes. The Himalayan-Karakoram range. For its elevation and geographic location, represents one of the ideal places for studying long-range pollutant transport systems on a regional scale and for monitoring changes index by mechanisms that act on global scale through monsoon circulation. The Ev-K2-CNR committee with this book reached its objective of creating a unique opportunity for dialogue between major environmental scientists and experts, highlighting the close relationship between diverse themes with a common underlying thread: in-depth comprehension of the environmental phenomena which are determining the health of our planet.

In Ammianus Marcellinus: An Annotated Bibliography, 1474 to the Present, Fred W. Jenkins surveys scholarship on Ammianus from the editio princeps to the present.

The Borgia family became prominent during the

Renaissance in Italy. They were from Valencia, the name coming from the family fief of Borja, then in the kingdom of Aragon, in Spain. The Borgias became prominent in ecclesiastical and political affairs in the 15th and 16th centuries, producing two popes, Alfons de Borja who ruled as Pope Callixtus III during 1455–1458 and Rodrigo Lanzol Borgia, as Pope Alexander VI, during 1492–1503. Especially during the reign of Alexander VI, they were suspected of many crimes, including adultery, simony, theft, bribery and murder (especially murder by arsenic poisoning). Because of their grasping for power, they made enemies of the Medici, the Sforza, and the Dominican friar Savonarola, among others. They were also patrons of the arts who contributed to the Renaissance. Nobody has ever detailed history's most ruthless rulers and tyrants with as much flair and passion as French writer Alexandre Dumas.

Poetry. Literary Nonfiction. Women's Studies. Edited by Martha Collins, Kevin Prufer, and Martin Rock. "Catherine Breese Davis fills an important but unsung niche in the tradition of women's poetry in the U.S. and now unsung no more. The editors of this book have given us a brilliant selection from Davis's poems, combined with illuminating writings about her work and life. This volume is a true labor of love, a priceless introduction to a lucid, poignant, and unflinching poet." Annie Finch "I have admired

Catherine Davis's exquisitely sculpted lyrics for over forty years. But it has been futile to recommend her work to others because it has been nearly impossible for anyone to find the poems, most of which were never published in book form. What a gift to have this lost poet restored to us." Dana Goia" Focusing exclusively on examples from the 16th century, the great age of Italian drawing, this stunning volume, published to accompany an early-1994 exhibition at The Metropolitan Museum of Art, includes 124 prized works from The Metropolitan, the Pierpont Morgan Library, the Cooper-Hewitt Museum, and some 20 private collections in New York. The catalogue is organized by school and, within each section, chronologically by artist. Each drawing is illustrated and presented with a discussion that places it in the context of the artist's career and explores the purpose for which it was made. Paper edition (unseen), \$35. Annotation copyright by Book News, Inc., Portland, OR

Beyond the range of optical perception--and of ordinary imaginings--a new and violent universe lay undetected until the advent of space exploration. Supernovae, black holes, quasars and pulsars--these were the secrets of the highenergy world revealed when, for the first time, astronomers attached their instruments to rockets and lofted them beyond the earth's x-ray-absorbing atmosphere. The X-Ray Universe is the story of these explorations

and the fantastic new science they brought into being. It is a first-hand account: Riccardo Giacconi is one of the principal pioneers of the field, and Wallace Tucker is a theorist who worked closely with him at many critical periods. The book carries the reader from the early days of the Naval Research Laboratory through the era of V-2 rocketry, Sputnik, and the birth of NASA, to the launching of the Einstein X-Ray Observatory. But this is by no means just a history. Behind the suspenseful, sometimes humorous details of human personality grappling with high technology lies a sophisticated exposition of current cosmology and astrophysics, from the rise and fall of the steady-state theory to the search for the missing mass of the universe.

This Seventh Edition of the best-selling intermediate Italian text, DA CAPO, reviews and expands upon all aspects of Italian grammar while providing authentic learning experiences (including new song and video activities) that provide students with engaging ways to connect with Italians and Italian culture. Following the guidelines established by the National Standards for Foreign Language Learning, DA CAPO develops Italian language proficiency through varied features that accommodate a variety of teaching styles and goals. The Seventh Edition emphasizes a well-rounded approach to intermediate Italian, focusing on balanced acquisition of the four language skills within an updated cultural framework. Important

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The Dark WildPenguin

Campana, a businessman from Rome, formed one of the most important private collections of antiquities of the 19th century yet it has been little studied. This thesis examines Campana's private life, his role as patron of the arts, archaeologist and collector and his trial for fraud, ending in exile. Much of the volume aims to reconstruct the collection, sold off by the papacy, that included Etruscan, Greek and Roman ceramics, jewellery, coins, glass, paintings, sculptures and medieval and Renaissance art. The list of objects, many of which are illustrated, includes current locations.

The Mediterranean region contains a diverse and interesting climate ranging from areas with permanent glaciers to areas of subtropical, semiarid regions. The region is potentially sensitive to climate change and its progress has environmental, social, and economic implications within and beyond the region. Produced by the Mediterranean Climate Variability and Predictability Research Networking Project, this book reviews the evolution of the Mediterranean climate over the past two millennia with projections further into the twenty-first century as well as examining in detail various aspects of the Mediterranean region's climate including evolution, atmospheric variables, and oceanic and land elements. Integrated with this, the book also considers the social and economic problems or vulnerabilities associated with the region. Written and reviewed by multiple researchers to ensure a high level of information presented clearly, Mediterranean Climate Variables will be an invaluable source of information for geologists, oceanographers, and anyone interested in learning more about the Mediterranean climate.

Written by leading experts in the field Presents clear, compelling, and concise evidence Includes the latest thinking in Mediterranean climate research

The first comprehensive study of the dominant form of solo singing in Renaissance Italy prior to the mid-sixteenth century.

In reconstructing the birth and development of the notion of 'unconscious', historians of ideas have heavily relied on the Freudian concept of Unbewussten, retroactively projecting the psychoanalytic unconscious over a constellation of diverse cultural experiences taking place in the eighteenth and nineteenth centuries between France and Germany.

Archaeology of the Unconscious aims to challenge this perspective by adopting an unusual and thought-provoking viewpoint as the one offered by the Italian case from the 1770s to the immediate aftermath of WWI, when Italo Svevo's *La coscienza di Zeno* provides Italy with the first example of a 'psychoanalytic novel'. Italy's vibrant culture of the long nineteenth century, characterised by the sedimentation, circulation, intersection, and synergy of different cultural, philosophical, and literary traditions, proves itself to be a privileged object of inquiry for an archaeological study of the unconscious; a study whose object is not the alleged 'origin' of a pre-made theoretical construct, but rather the stratifications by which that specific construct was assembled. In line with Michel Foucault's *Archéologie du savoir* (1969), this volume will analyze the formation and the circulation, across different authors and texts, of a network of ideas and discourses on interconnected themes, including dreams, memory, recollection, desire, imagination, fantasy, madness, creativity, inspiration, magnetism, and somnambulism. Alongside questioning pre-given narratives of the 'history of the unconscious', this book will employ the Italian 'difference' as a powerful perspective from whence to

address the undeveloped potentialities of the pre-Freudian unconscious, beyond uniquely psychoanalytical viewpoints. "Having been born a freeman, and for more than thirty years enjoyed the blessings of liberty in a free State—and having at the end of that time been kidnapped and sold into Slavery, where I remained, until happily rescued in the month of January, 1853, after a bondage of twelve years—it has been suggested that an account of my life and fortunes would not be uninteresting to the public." -an excerpt

This landmark publication celebrates one of the most exciting periods in European art. It brings together 93 paintings and 85 drawings from the Royal Collection and accompanies an exhibition of international importance. The earliest paintings in the book date from the beginning of the sixteenth century and include Giovanni Bellini's Portrait of a Young Man, Lorenzo Costa's Portrait of a Lady with a Lapdog, and the Portrait of a Man, which has previously been attributed to Raphael. From the end of the seventeenth century is the series of twelve paintings on copper by Luca Giordano, illustrating the story of Cupid and Psyche. In between are works by Andrea del Sarto, Bronzino, Caravaggio, Correggio, Titian, Giulio Romano, Jacopa Bassano, Lorenzo Lotto, Palma Vecchio, Veronese, Parmigianino, Tintoretto, Annibale Carracci, Domenichino, Domenico Fetti, Orazio and Artemisia Gentileschi, Guido Reni, and Guercino; ranging in scale from small devotional paintings to large altarpieces, and from religious narratives to mythological subjects and portraiture. The sixteenth and seventeenth centuries also saw some of the richest and most dynamic developments in Italian drawing, and this book includes some of the finest drawings by many of the

greatest artists of the period – from the achievements of the High Renaissance (including works by Leonardo, Raphael, Michelangelo, Andrea del Sarto and Parmigianino), through the later Renaissance in northern Italy (Barocci, Tintoretto, the Carracci), to the Baroque in Rome (Domenichino, Bernini, Maratti), Bologna (Reni, Guercino) and beyond. Several of the drawings are published under new attributions, and all the entries reflect recent developments in this field. Scholarly thinking on a number of the paintings is also reassessed, in some cases for the first time since John Shearman's *The Early Italian Paintings in the Collection of Her Majesty The Queen* (1983) and Michael Levey's *The Later Italian Pictures in the Collection of Her Majesty The Queen* (2nd edn 1991). Fresh insights are drawn from the latest research, and from recent cleaning and conservation, which has transformed critical opinion on a number of the paintings, in particular *The Calling of Saints Peter and Andrew*, a painting that is now firmly attributed to Caravaggio himself, rather than a follower. There are also further fascinating works by artists rarely encountered in British collections, such as Polidoro da Caravaggio, Francesco Salviati, Federico Zuccaro, Cristofano Allori and Guido Cagnacci.

Car Safety Wars is a concise history of the hundred-year struggle for safer cars and highways, involving at least six presidents, reluctant congresses, a fiercely resisting automobile industry, unsung heroes, and GM detectives. DNA topoisomerases represent an essential family of DNA processing enzymes and a large number of topoisomerase inhibitors are used clinically for the

treatment of various human cancers. Novel drugs are in clinical development both against type I and type II topoisomerases. The book will include basic biochemical and structural reviews for the cancer-relevant topoisomerases. It will describe how topoisomerase dysfunctions can damage the genome and increase the risk of cancers, and the involvement of topoisomerases in programmed cell death. The book will also present the various topoisomerase inhibitors in clinical use and development and their molecular and cellular mechanisms of action.

Stemmatology studies aspects of textual criticism that use genealogical methods. This handbook is the first to cover the entire field, encompassing both theoretical and practical aspects, ranging from traditional to digital methods. Authors from all

This volume provides an overview of contemporary Italian philosophy from the perspective of animality. Its rationale rests on two main premises: the great topicality of both Italian contemporary philosophy (the so-called "Italian Theory") and of the animal question (the so-called "animal turn" in the humanities and the social sciences) in the contemporary philosophical panorama. The volume not only intersects these two axes, illuminating Italian Theory through the animal question, but also proposes an original thesis: that the animal question is a central and founding issue of contemporary Italian philosophy. It combines historical-descriptive chapters with analyses of the theme in several philosophical branches, such as biopolitics, Posthumanism, Marxism, Feminism, Antispeciesism and

Theology, and with original contributions by renowned authors of contemporary Italian (animal) philosophy. The volume is both historical-descriptive and speculative and is intended for a broad academic audience, embracing both Italian studies and Animal studies at all levels. This text is an unbound, three hole punched version. Access to WileyPLUS sold separately. *Parliamo italiano!*, Binder Ready Version, Edition 5 continues to offer a communicative, culture based approach for beginning students of Italian. Not only does *Parliamo Italiano* provide students learning Italian with a strong ground in the four ACTFL skills: reading, writing, speaking, and listening, but it also emphasizes cultural fluency. The text follows a more visual approach by integrating maps, photos, regalia, and cultural notes that offer a vibrant image of Italy. The chapters are organized around functions and activities. Cultural information has been updated to make the material more relevant. In addition, discussions on functional communications give readers early success in the language and encourage them to use it in practical situations.

The Radical Machiavelli: Politics, Philosophy and Language offers a partial and even partisan reading of Machiavelli, whose thought continues to divide interpreters, forcing them to confront their responsibility as contemporary thinkers in a global society.

The Conference focuses on all aspects of instrumentation and measurement science and technology research development and applications The list of program topics includes but is not limited to Measurement Science & Education, Measurement Systems, Measurement Data Acquisition, Measurements of Physical Quantities, and

Measurement Applications

This book examines the politics of legitimacy as they played out across Europe in response to Napoleon's dramatic return to power in France after his exile to Elba in 1814. Napoleon had to re-establish his claim to power with initially minimal military resources. Moreover, as the rest of Europe united against him, he had to marshal popular support for his new regime, while simultaneously demanding men and money to back what became an increasingly inevitable military campaign. The initial return – known as 'the flight of the eagle' – gradually turned into a dogged attempt to bolster support using a range of mechanisms, including constitutional amendments, elections, and public ceremonies. At the same time, his opponents had to marshal their resources to challenge his return, relying on populations already war-weary and resentful of the costs they had had to bear. The contributors to this volume explore how, for both sides, cultural politics became central in supporting or challenging the legitimacy of these political orders in the path to Waterloo.

"After gathering together the Last Wild, the last animals still alive, Kester Jaynes is faced with a new task--facing the Dark Wild, the animals who live underground and want to destroy humankind"--

Despite being a universal experience, eating occurs with remarkable variety across time and place: not only do we not eat the same things, but the related technologies, rituals, and even the timing are in constant flux. This lively and innovative history paints a fresco of the Italian nation by looking at its storied relationship to food.

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