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**World Guide to Special Libraries** - Marlies Janson  
2007-01-01

The World Guide to Special Libraries lists about 35,000 libraries world wide categorized by more than 800 key words - including libraries of departments, institutes, hospitals, schools, companies, administrative bodies, foundations, associations and religious communities. It provides complete details of the libraries and their holdings, and alphabetical indexes of subjects and institutions.

**Socially Intelligent Agents** - Kerstin Dautenhahn  
2006-04-11

Socially situated planning provides one mechanism for improving the social awareness of agents. Obviously this work is in the preliminary stages and many of the limitations and the relationship to other work could not be addressed in such a short chapter. The chief limitation, of course, is the strong commitment to defining social reasoning solely at the meta-level, which restricts the subtlety of social behavior. Nonetheless,

our experience in some real-world military simulation applications suggest that the approach, even in its preliminary state, is adequate to model some social interactions, and certainly extends the state-of-the-art found in traditional training simulation systems. Acknowledgments This research was funded by the Army Research Institute under contract TAPC-ARI-BR References [1] J. Gratch. Emile: Marshalling passions in training and education. In Proceedings of the Fourth International Conference on Autonomous Agents, pages 325–332, New York, 2000. ACM Press. [2] J. Gratch and R. Hill. Continuous planning and collaboration for command and control in joint synthetic battlespaces. In Proceedings of the 8th Conference on Computer Generated Forces and Behavioral Representation, Orlando, FL, 1999. [3] B. Grosz and S. Kraus. Collaborative plans for complex group action. Artificial Intelligence, 86(2):269–357, 1996. [4] A. Ortony, G. L. Clore, and A. Collins. The Cognitive Structure of Emotions. Cambridge University Press, 1988. [5] R.W.Pew and A.S.Mavor, editors.

Modeling Human and Organizational Behavior. National Academy Press, Washington D.C., 1998.

Harmony and Symmetry. Celestial regularities shaping human culture. - Gudrun Wolfschmidt 2020-12-29

For the SEAC conference in Graz (2018) and for the Proceedings the motto "Harmony and symmetry - celestial regularities shaping human culture" was chosen. There were at least two strong reasons for this motto: First, the connection between astronomy and human culture has an extremely long tradition, and one of its absolute high points is the astronomer Johannes Kepler, who spent his entire life searching for the relationship between the movement of heavenly lights and ideas about harmonious structures and regular bodies. Kepler started his scientific career and authored his first book, the *Mysterium cosmographicum*, in Graz. Kepler argued in his first publication for the twelve-fold partition of the zodiac with arguments derived from the monochord, anticipating the procedure he developed in his *Harmonices mundi*. Five contributions deal with Kepler, including the harmony in musical theory. The second reason was the Eggenberg Castle. This palace, built for the nobleman Hans Ulrich von Eggenberg (1568-1634), is a remarkable piece of symmetry and harmony and an outstanding example of a strong connection between astronomy and culture. Seven contributions have the topic astronomy, astrology and architecture with the emphasis on astronomical orientation, symmetry and harmony in the Middle Ages and Renaissance. The Proceedings with ten chapters and 44 contributions range besides the mentioned "Middle Ages and beyond" and Johannes Kepler from Prehistoric Times, Bronze and Iron Age, Mythology and Ethnoastronomy, Babylonian Astronomy, Greek and Roman Astronomy, Meso- and South America,

Middle East and Eastern Asia and Computational Astronomy. The celestial sphere, regarded as the sky of astronomy, as well as the heaven of divine numina, from Antiquity to Copernicus and Kepler was equated with symmetry, harmony, and beauty. Until today, this has been reflected in the structure of cultural creations, from architectural objects to musical forms.

**Number Theory in Progress** - Kálmán Györy 1999-01-01  
Proceedings of the International Conference on Number Theory organized by the Stefan Banach International Mathematical Center in Honor of the 60th Birthday of Andrzej Schinzel, Zakopane, Poland, June 30-July 9, 1997.

Hot Topics in Infection and Immunity in Children IV - Adam Finn 2007-12-06

Fast becoming a key text for pediatricians, this fourth outing for the Hot Topics series is once again culled from lectures given at the annual course on the subject at Keble College, Oxford. This is the first port of call for those who need to keep on top of the subject. With world-leading researchers as editors, the series has become a valuable addition to the sum of knowledge in this specialism and a resource for anyone dealing with infectious diseases in children.

*Times of Neolithic Transition along the Western Mediterranean* - Oreto García-Puchol 2017-07-01

The study of the Neolithic transition constitutes a major theme in prehistoric research. The process of economic change, from foraging to farming, involved one of the main transformations in human behavior patterns. This volume focuses on investigating the neolithization process at the periphery of one of the main routes in the expansion of the Neolithic in Europe: the Western Mediterranean region. Recent advances in radiocarbon

dating, mathematical and computational models, archaeometric analysis and biomolecular techniques, together with new archaeological discoveries, provide novel insights into this topic. This volume is organized into five sections: · new discoveries and new ideas about the Mediterranean Neolithic · reconstructing times and modeling processes · landscape interaction: farming and herding · dietary subsistence of early farming communities · human dispersal mechanisms and cultural transmission This volume will also provide new empirical data to help readers assess different theoretical frameworks and narratives which underlie the models proposed to explain the expansion of farming from the Middle East into Europe.

**International Research Centers Directory** - 1999

**Mecklermedia's Official Internet World Internet Yellow Pages** - 1996

**Cherries** - Jose Quero-Garcia 2017-07-12

Sweet and sour cherries (*Prunus avium* and *Prunus cerasus*) are important fruit crops for which demand is high and growing. A significant number of new varieties, rootstocks and training systems have been released or developed in recent years in order to improve the efficiency and profitability of cherry orchards. *Cherries: Botany, Production and Uses* covers the genetics, ecophysiology, production, protection and uses of cherries. Presenting up-to-date scientific data and applied information, this book is invaluable for researchers, teachers and all professionals working in the cherries value chain.

**Kinship in Ancient Athens** - S. C. Humphreys 2018

The concept of kinship is at the heart of understanding

the structure of ancient Athenian society and the lives of its citizens. Drawing on epigraphic, literary, and archaeological sources, 'Kinship in Ancient Athens' explores interactions between kin across a range of social contexts, from family life to legal matters, politics, and more.

**Cell-Free Nucleic Acids** - Bálint Nagy 2020-01-21

The deficits of mammography and the potential of noninvasive diagnostic testing using circulating miRNA profiles are presented in our first review article. Exosomes are important in the transfer of genetic information. The current knowledge on exosome-associated DNAs and on vesicle-associated DNAs and their role in pregnancy-related complications is presented in the next article. The major obstacle is the lack of a standardized technique for the isolation and measurement of exosomes. One review has summarized the latest results on cell-free nucleic acids in inflammatory bowel disease (IBD). Despite the extensive research, the etiology and exact pathogenesis are still unclear, although similarity to the cell-free ribonucleic acids (cfRNAs) observed in other autoimmune diseases seems to be relevant in IBD. Liquid biopsy is a useful tool for the differentiation of leiomyomas and sarcomas in the corpus uteri. One manuscript has collected the most important knowledge of mesenchymal uterine tumors and shows the benefits of noninvasive sampling.

Microchimerism has also recently become a hot topic. It is discussed in the context of various forms of transplantation and transplantation-related advanced therapies, the available cell-free nucleic acid (cfNA) markers, and the detection platforms that have been introduced. Ovarian cancer is one of the leading serious malignancies among women, with a high incidence of

mortality; the introduction of new noninvasive diagnostic markers could help in its early detection and treatment monitoring. Epigenetic regulation is very important during the development of diseases and drug resistance. Methylation changes are important signs during ovarian cancer development, and it seems that the CDH1 gene is a potential candidate for being a noninvasive biomarker in the diagnosis of ovarian cancer. Preeclampsia is a mysterious disease—despite intensive research, the exact details of its development are unknown. It seems that cell-free nucleic acids could serve as biomarkers for the early detection of this disease. Three research papers deal with the prenatal application of cfDNA. Copy number variants (CNVs) are important subjects for the study of human genome variations, as CNVs can contribute to population diversity and human genetic diseases. These are useful in NIPT as a source of population specific data. The reliability of NIPT depends on the accurate estimation of fetal fraction. Improvement in the success rate of in vitro fertilization (IVF) and embryo transfer (ET) is an important goal. The measurement of embryo-specific small noncoding RNAs in culture media could improve the efficiency of ET.

Bulletin - American Society of Plant Physiologists - American Society of Plant Physiologists 1998

No. 1- directories of the society's members.

Colloids and Colloid Assemblies - Frank Caruso 2006-12-13

Written by outstanding experts in the colloids field, this book deals with the recent developments in the synthesis, modification, utilization and application of colloids. The types covered range from metal nanoparticles through to inorganic particles and polymer

latexes. Strategies for their modification to impart new properties will be outlined and ordered assemblies derived from colloid particles and some applications for colloids are shown. A multidisciplinary audience spread throughout academia and industry alike will certainly appreciate this first concise collection of knowledge in book form for this topic.

*Geospatial Analysis of Environmental Health* - Juliana A. Maantay 2011-03-18

This book focuses on a range of geospatial applications for environmental health research, including environmental justice issues, environmental health disparities, air and water contamination, and infectious diseases. Environmental health research is at an exciting point in its use of geotechnologies, and many researchers are working on innovative approaches. This book is a timely scholarly contribution in updating the key concepts and applications of using GIS and other geospatial methods for environmental health research. Each chapter contains original research which utilizes a geotechnical tool (Geographic Information Systems (GIS), remote sensing, GPS, etc.) to address an environmental health problem. The book is divided into three sections organized around the following themes: issues in GIS and environmental health research; using GIS to assess environmental health impacts; and geospatial methods for environmental health. Representing diverse case studies and geospatial methods, the book is likely to be of interest to researchers, practitioners and students across the geographic and environmental health sciences. The authors are leading researchers and practitioners in the field of GIS and environmental health.

Excavation of Later Prehistoric and Roman Sites along the Route of the Newquay Strategic Road Corridor,

Cornwall - Andy M. Jones 2019-05-10

This volume presents the results of archaeological investigations on the Newquay Strategic Road and goes on to discuss the complexity of the archaeology, review the evidence for 'special' deposits and explore evidence for the deliberate closure of buildings especially in later prehistoric and Roman period Cornwall.

**Lead: Its Effects on Environment and Health** - Astrid Sigel 2017-04-10

Volume 17, entitled Lead: Its Effects on Environment and Health of the series Metal Ions in Life Sciences centers on the interrelations between biosystems and lead. The book provides an up-to-date review of the bioinorganic chemistry of this metal and its ions; it covers the biogeochemistry of lead, its use (not only as gasoline additive) and anthropogenic release into the environment, its cycling and speciation in the atmosphere, in waters, soils, and sediments, and also in mammalian organs. The analytical tools to determine and to quantify this toxic element in blood, saliva, urine, hair, etc. are described. The properties of lead(II) complexes formed with amino acids, peptides, proteins (including metallothioneins), nucleobases, nucleotides, nucleic acids, and other ligands of biological relevance are summarized for the solid state and for aqueous solutions as well. All this is important for obtaining a coherent picture on the properties of lead, its effects on plants and toxic actions on mammalian organs. This and more is treated in an authoritative and timely manner in the 16 stimulating chapters of Volume 17, which are written by 36 internationally recognized experts from 13 nations. The impact of this recently again vibrant research area is manifested in nearly 2000 references, over 50 tables and more than 100

illustrations (half in color). Lead: Its Effects on Environment and Health is an essential resource for scientists working in the wide range from material sciences, inorganic biochemistry all the way through to medicine including the clinic ... not forgetting that it also provides excellent information for teaching.

**Diversity and Integration in Mycorrhizas** - Sally E. Smith 2013-12-18

This book is highly recommended on the basis of the following points: - The editors are highly regarded in the field of mycorrhizal biology and one is co-author of the most comprehensive textbook on mycorrhizas; - Chapters by international experts based on invited presentations at the 3rd International Conference on Mycorrhizas, supplemented by invited chapters on special topics; - Mycorrhizas are being increasingly recognised as ubiquitous plant/fungal symbioses, with the potential to influence the function and ecology of around 90% of all land plants; perhaps the most common and also ancient terrestrial symbioses in existence; - This book has a broad coverage of biology of symbioses between mycorrhizal fungi and plants, especially ecto- and arbuscular mycorrhizas (other recent texts have focused mainly on arbuscular mycorrhizal symbioses); - Forward-looking review chapters by keynote speakers including an overview of research challenges for the future; - Up-to-date research focus; - Coverage includes: molecular diversity and detection of mycorrhizal fungi; cellular and molecular interactions between the symbionts; physiology of the interactions; implications of the symbioses for ecosystem processes, including agriculture; - Several complementary chapters on some topics, ensuring that different perspectives are presented (recent edited volumes have had a smaller

group of authors and hence narrower focus); - Readership from advanced undergraduate students in biology (particularly plant science), postgraduate students and researchers in universities and government agencies.

Encyclopedia of Snow, Ice and Glaciers - Vijay P. Singh  
2011-07-01

The earth's cryosphere, which includes snow, glaciers, ice caps, ice sheets, ice shelves, sea ice, river and lake ice, and permafrost, contains about 75% of the earth's fresh water. It exists at almost all latitudes, from the tropics to the poles, and plays a vital role in controlling the global climate system. It also provides direct visible evidence of the effect of climate change, and, therefore, requires proper understanding of its complex dynamics. This encyclopedia mainly focuses on the various aspects of snow, ice and glaciers, but also covers other cryospheric branches, and provides up-to-date information and basic concepts on relevant topics. It includes alphabetically arranged and professionally written, comprehensive and authoritative academic articles by well-known international experts in individual fields. The encyclopedia contains a broad spectrum of topics, ranging from the atmospheric processes responsible for snow formation; transformation of snow to ice and changes in their properties; classification of ice and glaciers and their worldwide distribution; glaciation and ice ages; glacier dynamics; glacier surface and subsurface characteristics; geomorphic processes and landscape formation; hydrology and sedimentary systems; permafrost degradation; hazards caused by cryospheric changes; and trends of glacier retreat on the global scale along with the impact of climate change. This book can serve as a source of reference at the undergraduate and graduate level and

help to better understand snow, ice and glaciers. It will also be an indispensable tool containing specialized literature for geologists, geographers, climatologists, hydrologists, and water resources engineers; as well as for those who are engaged in the practice of agricultural and civil engineering, earth sciences, environmental sciences and engineering, ecosystem management, and other relevant subjects.

International Handbook of Autism and Pervasive Developmental Disorders - Johnny L. Matson 2011-06-16

Since the early 1940s, when first identified as childhood psychosis and autistic psychopathy, autism spectrum disorder (ASD) has continued to burgeon into a major focus of inquiry and interest among researchers, practitioners, and the public alike. With each passing decade, the number of scholarly articles addressing ASD and related disabilities continues to soar. Today, thousands of papers on autism are published annually across various disciplines and journals, making it challenging – if not impossible – to keep pace with, let alone synthesize, all the latest developments. Based on a solid historical foundation of autism theory and research, the International Handbook of Autism and Pervasive Developmental Disorders integrates the broad scholarly base of literature with a trenchant analysis of the state of the field in nosology, etiology, assessment, and treatment. Its expert contributors examine recent findings and controversies (e.g., how prevalent autism actually is), along with longstanding topics of interest as well as emerging issues. Coverage includes: A survey of diagnostic criteria and assessment strategies. Genetic, behavioral, biopsychosocial, and cognitive models. Psychiatric disorders in persons with ASD. Theory of mind and facial recognition. Diagnostic

instruments for assessing core features and challenging behaviors. Evidence-based psychosocial, pharmacological, and integrative treatments. Interventions specifically for adults with ASD. Training issues for professionals and parents. A review of findings of successful and promising therapies, coupled with guidance on how to distinguish between dubious and effective treatments. The International Handbook of Autism and Pervasive Developmental Disorders is an indispensable resource for researchers, professors, graduate students, and allied practitioners in clinical child and school psychology, child and adolescent psychiatry, education, social work, rehabilitation, pediatric medicine, and developmental psychology.

The Neolithic Settlement of Aknashen (Ararat valley, Armenia) - Ruben Badalyan 2022-02-17

This is the first monograph devoted to the Neolithic period in Armenia. The volume concerns the natural environment, material culture and subsistence economy of the populations of the first half of the 6th millennium BC, who established the first sedentary settlements in the alluvial plain of the Araxes river.

Inborn Metabolic Diseases - Jean-Marie Saudubray 2011-11-16

Being up to Date: Status Quo and Trends of Treatment For those involved in the identification and management of patients with inborn errors of metabolism, this book is now recognised as the standard textbook in this interdisciplinary field. It has proved to be indispensable for professionals in specialities ranging from pediatrics, neonatology, pathological biochemistry and genetics to neurology, internal medicine, nursing, dietetics and psychology. This 5th edition has been extensively revised and updated. What's new - Additional

chapter focusing on inborn errors affecting adults, particularly the late neurological presentations - Numerous updates on diagnostic procedures and treatment - Newly discovered disorders. As with previous editions, the book opens with a section presenting the clinical approach to inborn metabolic diseases for those cases in which a diagnosis is being sought. This now includes a chapter on the clinical presentation of metabolic diseases in the older age range, using an analogous structure. If a particular diagnosis is already suspected, the reader may refer to the following sections of the book containing general chapters on diagnostic procedures and treatment, and on specific groups of disorders. As with earlier editions, the chapters have been written by authors who are internationally recognised experts on their subjects. They provide information in a clear, relevant and concise manner using a coherent structure.

*Applied Soft Computing Technologies: The Challenge of Complexity* - Ajith Abraham 2006-08-11

This volume presents the proceedings of the 9th Online World Conference on Soft Computing in Industrial Applications, held on the World Wide Web in 2004. It includes lectures, original papers and tutorials presented during the conference. The book brings together outstanding research and developments in soft computing, including evolutionary computation, fuzzy logic, neural networks, and their fusion, and its applications in science and technology.

**The Oxford Handbook of the Valley of the Kings** - Richard H. Wilkinson 2016

The royal necropolis of New Kingdom Egypt, known as the Valley of the Kings (KV), is one of the most important - and celebrated - archaeological sites in the world.

Located on the west bank of the Nile river, about three miles west of modern Luxor, the valley is home to more than sixty tombs, all dating to the second millennium BCE. The most famous of these is the tomb of Tutankhamun, first discovered by Howard Carter in 1922. Across thirty-eight chapters, this handbook locates the Valley of the Kings in space and time, examines individual tombs, their construction, content, development, and significance, reviews modern research and exploration in the valley, and discusses the current status of ongoing issues of preservation and archaeology.

*Theory of the Navier-Stokes Equations* - John Groves Heywood 1998

This volume collects the articles presented at the Third International Conference on 'The Navier-Stokes Equations: Theory and Numerical Methods?', held in Oberwolfach, Germany. The articles are important contributions to a wide variety of topics in the Navier-Stokes theory: general boundary conditions, flow exterior to an obstacle, conical boundary points, the controllability of solutions, compressible flow, non-Newtonian flow, magneto-hydrodynamics, thermal convection, the interaction of fluids with elastic solids, the regularity of solutions, and Rothe's method of approximation.

*Rezeptionen der Vorsokratiker von der Antike bis in die Gegenwart* - Oliver Hellmann 2022-03-07

Der Band versammelt die Beiträge einer internationalen Tagung zu zentralen Stationen der Vorsokratiker-Rezeption: Platon, Aristoteles, Autoren der hellenistischen und der Kaiserzeit, der Renaissance und der Gegenwart. Die Untersuchungen zeichnen sich durch einen rezeptionsorientierten Forschungsansatz aus und

gehen in vielfältiger Hinsicht den Funktionen nach, die die Bezugnahmen auf die Vorsokratiker im jeweils untersuchten Rezeptionskontext erfüllen. Sie fragen: Welche Haltung zum rezipierten Text zeigt sich im rezipierenden Text? Dient er polemischer Abgrenzung oder vielmehr der Bekräftigung eigener Auffassungen im Rekurs auf die Autorität ‚der Alten‘? Inwieweit lässt der rezipierende Text das Bemühen um eine unvoreingenommene, sachlich-objektive Darstellung erkennen? Konstruieren die rezipierenden Texte eine Rezeptions- oder Sukzessionslinie und wie ordnen sie sich selbst gegebenenfalls in diese ein? Wird hierbei der hermeneutische Prozess der Rezeption reflektiert oder thematisiert? Mit der Untersuchung dieser und ähnlicher Fragen greift der Band einen Forschungsansatz auf, der mit Bezug auf die Vorsokratiker ganz wesentlich von Georg Wöhrle gefördert wurde; ihm ist der Band als Festschrift gewidmet.

**Advances in Computers and Software Engineering: Reviews, Vol. 2** - Sergey Yurish 2020-02-04

The second volume of 'Advances in Computers and Software Engineering: Reviews' Book Series contains five chapters written by 10 authors from 4 countries: Canada, China, Italy and UK. This book ensures that our readers will stay at the cutting edge of the field and get the right and effective start point and road map for the further researches and developments. By this way, they will be able to save more time for productive research activity and eliminate routine work. With this unique combination of information in each volume, the 'Advances in Computers and Software Engineering: Reviews' will be of value for scientists and engineers in appropriate industry and at universities.

**Methods of Soil Enzymology** - Richard P. Dick 2020-01-22



Methods of Soil Enzymology provides the first comprehensive set of vetted methods for studying enzymes in soils. Readers will especially benefit from the step-by-step explanation of the lab procedures, as well as background information for using these methods effectively and analyzing data. Main topics include activity assays, enzyme extraction, and synthetic enzyme complexes. Each method covered includes background information, step-by-step descriptions of the procedure, and special comments regarding nuances, pitfalls, and interpretation of the method. Learn the latest research methods, including enzyme extraction methods and procedures for creating synthetic enzyme complexes, as well as the newest ways to use small-scale and high-throughput methods for enzyme activity assays. Written for the researcher, but welcoming to those new to soil enzymology, the introduction includes conceptual information to orient those who are not familiar with these methods but want to use them. In the tradition of SSSA methods books, Methods of Soil Enzymology features a comprehensive approach with a focus on ease of use.

Geometry, Combinatorial Designs and Related Structures - J. W. P. Hirschfeld 1997-08-14

This volume examines state of the art research in finite geometries and designs.

**Modern Infectious Disease Epidemiology** - Alexander Krämer 2010-01-23

Hardly a day goes by without news headlines concerning infectious disease threats. Currently the spectre of a pandemic of influenza A|H1N1 is raising its head, and heated debates are taking place about the pro's and con's of vaccinating young girls against human papilloma virus. For an evidence-based and responsible communication of infectious disease topics to avoid

misunderstandings and overreaction of the public, we need solid scientific knowledge and an understanding of all aspects of infectious diseases and their control. The aim of our book is to present the reader with the general picture and the main ideas of the subject. The book introduces the reader to methodological aspects of epidemiology that are specific for infectious diseases and provides insight into the epidemiology of some classes of infectious diseases characterized by their main modes of transmission. This choice of topics bridges the gap between scientific research on the clinical, biological, mathematical, social and economic aspects of infectious diseases and their applications in public health. The book will help the reader to understand the impact of infectious diseases on modern society and the instruments that policy makers have at their disposal to deal with these challenges. It is written for students of the health sciences, both of curative medicine and public health, and for experts that are active in these and related domains, and it may be of interest for the educated layman since the technical level is kept relatively low.

**One Health, 2nd Edition** - Jakob Zinsstag 2020-09-30

One Health, the concept of combined veterinary and human health, has now expanded beyond emerging infectious diseases and zoonoses to incorporate a wider suite of health issues. Retaining its interdisciplinary focus which combines theory with practice, this new edition illustrates the contribution of One Health collaborations to real-world issues such as sanitation, economics, food security and vaccination programmes. It includes more non-infectious disease issues and climate change discussion alongside revised case studies and expanded methodology chapters to draw out implications

for practice. Promoting an action-based, solutions-oriented approach, *One Health: The Theory and Practice of Integrated Health Approaches* highlights the lessons learned for both human and animal health professionals and students.

**Bacterial and Eukaryotic Porins** - Roland Benz 2006-03-06

This first book dedicated to the topic relates the known physiological functions of porins to their molecular structure and mechanism, as documented by various *in vitro* and *in vivo* methods, including the generation of null mutants in mice. For the first time, it brings together biophysical evidence with studies performed in a cellular context, presenting a unified picture of the fundamental importance of porins for cellular function. With 16 contributions by an interdisciplinary team of leading porin researchers, this reference is essential reading for every molecular or structural biologist with an interest in this essential protein family.

*Magnetic Resonance and Brain Function: Approaches from Physics* - Società italiana di fisica 1999

In the last decade, NMR has set the basis for the understanding of the function and dysfunction of the human brain. Particularly, Magnetic Resonance Imaging (MRI) has a leading position among the methodologies used for investigation and diagnostic of the Central Nervous System. In the 1990's the objective of finding new investigating means drove scientists towards different approaches, including: 1) Blood Oxygen Level Dependent (BOLD) MRI; 2) Double Magnetic Resonance (DMR); 3) Hyperpolarized Gases. These 3 methods are aimed at detecting brain metabolites with increasing sensitivity and resolution. This Enrico Fermi Course is of interest to researchers who work at the development of these interdisciplinary areas, i.e. physicists,

chemists, engineers, but also the biomedical aspects of brain function in connection to the NMR potentialities.

*Comparing Greek Colonies* - Camilla Colombi 2022-08-22

The need for a "new" book on Greek colonization arose to analyse this phenomenon as a long-term process in a wide geographic area. The events related to individual cities and regions, although geographically very distant from each other, are linked through an articulated network of material and immaterial relations and have to be considered as part of a broader mobility process in a Mediterranean perspective. The intention of "Comparing Greek Colonies" is to bring geographically and culturally distant regions such as Southern Italy/Sicily and the Black Sea, closer together, not merely to find "similarities and differences", but to broaden the scholars' perspective and overcome existing, generalizing, and biased models, that are often rooted in local scientific traditions. The proceedings of the international conference "Comparing Greek Colonies. Mobility and Settlement Consolidation from Southern Italy to the Black Sea (8th – 6th century BC)", 7.–9.11.2018 in Rome, are structured around three core topics (economic system; relationships with the indigenous populations; social and territorial systems) that constitute the cornerstones of the political formation of the polis in the Archaic period and for its development during the Classical and Hellenistic Ages.

**Local, intensive and diverse?** - Ferran Antolín 2016-05-13

This study argues that early farming life may have been more multifaceted than previously thought, and puts forward a reinterpretation of the traditional views on farming, wild plant gathering and social relationships during the Neolithic in the North East of the Iberian

Peninsula. The archaeobotanical data from 17 archaeological sites is presented (Sardo Cave; Camp del Colomer; Serra del Mas Bonet; La Dou Codella, 120; Cave La Draga; Bòbila Madurell; Carrer Reina Amàlia, 31-33; Prehistoric Mines of Gavà; Can Sadurní Cave; Sant Llorenç Cave; Espina C; Pla del Gardelo; Puig del Collet; CIM "El Camp"; Fosca Cave). For each site, pioneering methods of investigating the origin and the representativeness of the data are applied. Following these evaluations, palaeoeconomic issues are targeted at different scales, ranging from the context to the regional level. The detailed investigations performed at the site of La Draga particularly stand out, as this is the only Neolithic site with waterlogged conditions of preservation in the Iberian Peninsula. Innovative data on the history of crops like tetraploid naked wheat, two-row barley, naked barley and opium poppy as well as on the role of wild fruits in the economy is revealed, completing an important piece in the puzzle of the investigations concerning the Neolithic in Europe.

Cultural Memories - Peter Meusburger 2011-05-11

The revival of interest in collective cultural memories since the 1980s has been a genuinely global phenomenon. Cultural memories can be defined as the social constructions of the past that allow individuals and groups to orient themselves in time and space. The investigation of cultural memories has necessitated an interdisciplinary perspective, though geographical questions about the spaces, places, and landscapes of memory have acquired a special significance. The essays in this volume, written by leading anthropologists, geographers, historians, and psychologists, open a range of new interpretations of the formation and development of cultural memories from ancient times to the present

day. The volume is divided into five interconnected sections. The first section outlines the theoretical considerations that have shaped recent debates about cultural memory. The second section provides detailed case studies of three key themes: the founding myths of the nation-state, the contestation of national collective memories during periods of civil war, and the oral traditions that move beyond national narrative. The third section examines the role of World War II as a pivotal episode in an emerging European cultural memory. The fourth section focuses on cultural memories in postcolonial contexts beyond Europe. The fifth and final section extends the study of cultural memory back into premodern tribal and nomadic societies.

Increasing Seismic Safety by Combining Engineering Technologies and Seismological Data - Marco Mucciarelli 2008-11-30

The current state-of-the-art allows seismologists to give statistical estimates of the probability of a large earthquake striking a given region, identifying the areas in which the seismic hazard is the highest. However, the usefulness of these estimates is limited, without information about local subsoil conditions and the vulnerability of buildings. Identifying the sites where a local amplification of seismic shaking will occur, and identifying the buildings that will be the weakest under the seismic shaking is the only strategy that allows effective defence against earthquake damage at an affordable cost, by applying selective reinforcement only to the structures that need it. Unfortunately, too often the Earth's surface acted as a divide between seismologists and engineers. Now it is becoming clear that the building behaviour largely depends on the seismic input and the buildings on their

turn act as seismic sources, in an intricate interplay that non-linear phenomena make even more complex. These phenomena are often the cause of observed damage enhancement during past earthquakes. While research may pursue complex models to fully understand soil dynamics under seismic loading, we need, at the same time, simple models valid on average, whose results can be easily transferred to end users without prohibitive expenditure. Very complex models require a large amount of data that can only be obtained at a very high cost or may be impossible to get at all.

Textile Terminologies from the Orient to the Mediterranean and Europe, 1000 BC to 1000 AD - Salvatore Gaspa 2017

The papers in this volume derive from the conference on textile terminology held in June 2014 at the University of Copenhagen. Around 50 experts from the fields of Ancient History, Indo-European Studies, Semitic Philology, Assyriology, Classical Archaeology, and Terminology from twelve different countries came together at the Centre for Textile Research, to discuss textile terminology, semantic fields of clothing and technology, loan words, and developments of textile terms in Antiquity. They exchanged ideas, research results, and presented various views and methods. This volume contains 35 chapters, divided into five sections: - Textile terminologies across the ancient Near East and the Southern Levant - Textile terminologies in Europe and Egypt - Textile terminologies in metaphorical language and poetry - Textile terminologies: examples from China and Japan - Technical terms of textiles and textile tools and methodologies of classifications

Numerical Mathematics and Advanced Applications - Miloslav Feistauer 2012-12-06

These proceedings collect the major part of the lectures given at ENUMATH2003, the European Conference on Numerical Mathematics and Advanced Applications, held in Prague, Czech Republic, from 18 August to 22 August, 2003. The importance of numerical and computational mathematics and scientific computing is permanently growing. There is an increasing number of different research areas, where numerical simulation is necessary. Let us mention fluid dynamics, continuum mechanics, electromagnetism, phase transition, cosmology, medicine, economics, finance, etc. The success of applications of numerical methods is conditioned by changing its basic instruments and looking for new appropriate techniques adapted to new problems as well as new computer architectures. The ENUMATH conferences were established in order to provide a forum for discussion of current topics of numerical mathematics. They seek to convene leading experts and young scientists with special emphasis on contributions from Europe. Recent results and new trends are discussed in the analysis of numerical algorithms as well as in their applications to challenging scientific and industrial problems. The first ENUMATH conference was organized in Paris in 1995, then the series continued by the conferences in Heidelberg 1997, Jyväskylä 1999 and Ischia Porto 2001. It was a great pleasure and honour for the Czech numerical community that it was decided at Ischia Porto to organize the ENUMATH2003 in Prague. It was the first time when this conference crossed the former Iron Curtain and was organized in a postsocialist country.

Encyclopedia of Molecular Mechanisms of Disease - Florian Lang 2009-03-19

This comprehensive encyclopedia supplies the reader with

concise information on the molecular pathophysiology of disease. Entries include defined diseases (such as Parkinson's disease) as well as pathophysiological entities (such as tremor). The 1,200 essays are brilliantly structured to allow rapid retrieval of the desired information. For more detailed reading, each entry is followed by up to five references. Individual entries are written by leading experts in the respective area of research to ensure state-of-the-art descriptions of the mechanisms involved. It is an invaluable companion for clinicians and scientists in all medical disciplines.

*Encyclopedia of Cancer* - Manfred Schwab 2008-09-23

This comprehensive encyclopedic reference provides rapid access to focused information on topics of cancer research for clinicians, research scientists and advanced students. Given the overwhelming success of the first edition, which appeared in 2001, and fast development in the different fields of cancer research, it has been decided to publish a second fully revised and expanded edition. With an A-Z format of over 7,000 entries, more than 1,000 contributing authors provide a complete reference to cancer. The merging of different basic and clinical scientific disciplines towards the common goal of fighting cancer makes such a comprehensive reference source all the more timely.