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 Proceedings of the International Conference on ICCIDM 2018
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LANG CHRISTINE

Mathematics, History and Politics in the Work of Wu Wen-Tsun Coordination Group Publication

This book presents the latest cutting edge research, theoretical methods, and novel applications in the field of computational intelligence and computational biological approaches that are aiming to combat COVID-19. The book gives the technological key drivers behind using AI to find drugs that target the virus, shedding light on the structure of COVID-19, detecting the outbreak and spread of new diseases, spotting signs of a COVID-19 infection in medical images, monitoring how the virus and lockdown is affecting mental health, and forecasting

how COVID-19 cases and deaths will spread across cities and why. Further, the book helps readers understand computational intelligence techniques combating COVID-19 in a simple and systematic way.

Proceedings of the International Conference on ICCIDM 2018 Springer Nature

Deep learning methods are achieving state-of-the-art results on challenging machine learning problems such as describing photos and translating text from one language to another. In this new laser-focused Ebook, finally cut through the math, research papers and patchwork descriptions about natural language processing. Using clear explanations, standard Python libraries and step-by-step tutorial lessons you will discover what natural language processing is, the

promise of deep learning in the field, how to clean and prepare text data for modeling, and how to develop deep learning models for your own natural language processing projects.

Core Mathematics 2 Springer

This volume contains the proceedings of a conference held in Wiirzburg, August 20-24, 1990. The theme of the conference was Bifurcation and Chaos: Analysis, Algorithms, Applications. More than 100 scientists from 21 countries presented 80 contributions. Many of the results of the conference are described in the 49 refereed papers that follow. The conference was sponsored by the Deutsche Forschungsgemeinschaft, and by the Deutscher Akademischer Austauschdienst. We gratefully acknowledge the support from these agencies. The science of nonlinear phenomena

is evolving rapidly. Over the last 10 years, the emphasis has been gradually shifting. How trends vary may be seen by comparing these proceedings with previous ones, in particular with the conference held in Dortmund 1986 (proceedings published in ISNM 79). Concerning the range of phenomena, chaos has joined the bifurcation scenarios. As expected, the acceptance of chaos is less emotional among professionals, than it has been in some popular publications. Analytical methods appear to have reached a state in which basic results of singularities, symmetry groups, or normal forms are everyday experience rather than exciting news. Similarly, numerical algorithms for frequent situations are now well established. Implemented in several packages, such algorithms have become standard means for attacking nonlinear problems. The sophistication that analytical and numerical methods have reached supports the vigorous trend to more and more applications. Pioneering equations as those named after Duffing, Van der Pol, or Lorenz, are no longer exclusively the state of art.

Chemical Thermodynamics of Americium Springer

This is the second volume in a series of critical reviews of the chemical thermodynamic data of those elements of particular importance in the safety assessment modeling of high-level radioactive waste storage and disposal facilities. The objective of these reviews is to provide a set of reliable thermodynamic data that can be used to describe the behaviour of these elements under conditions relevant for radioactive waste disposal systems and the geochemical environments. The present volume is a review of experimental data reported in the literature for americium. On a few occasions, where no data existed, comparisons and estimates were made based on experimental data on analog lanthanide elements. The basic philosophy was to develop a minimum set of solid phases and solution species of americium that would fit all experimental data being reviewed.

NASA's Aircraft Energy Efficiency Program, 1973-1987 U. S. National Aeronautics & Space Administration

The book covers the Aircraft Energy Efficiency (ACEE), consisting of six aeronautical projects born out of the energy crisis of the 1970s and divided between the Lewis and Langley Research Centers in Ohio and Virginia.

Decision Mathematics Springer Nature
A statistical language model, or more simply a language model, is a prob

abilistic mechanism for generating text. Such a definition is general enough to include an endless variety of schemes. However, a distinction should be made between generative models, which can in principle be used to synthesize artificial text, and discriminative techniques to classify text into predefined categories. The first statistical language modeler was Claude Shannon. In exploring the application of his newly founded theory of information to human language, Shannon considered language as a statistical source, and measured how well simple n-gram models predicted or, equivalently, compressed natural text. To do this, he estimated the entropy of English through experiments with human subjects, and also estimated the cross-entropy of the n-gram models on natural text. The ability of language models to be quantitatively evaluated in this way is one of their important virtues. Of course, estimating the true entropy of language is an elusive goal, aiming at many moving targets, since language is so varied and evolves so quickly. Yet fifty years after Shannon's study, language models remain, by all measures, far from the Shannon entropy limit in terms of their predictive power. However, this has not kept them from being useful for a variety of text processing tasks, and moreover can be viewed as encouragement that there is still great room for improvement in statistical language modeling.

Further Pure Mathematics Springer Nature

This volume contains 88 research articles written by prominent researchers. The articles are chosen from a large international conference on high performance computing and its applications held in Shanghai, China. Topics covered include a variety of subjects in modern high performance computing and its applications, such as the design and analysis of high performance computing algorithms, tools and platforms, and their scientific, engineering, medical, and industrial applications. The book serves as an excellent reference work for graduate students and researchers working with high performance computing for problems in science and engineering.

Pure Mathematics 2 and 3

(International) Hodder Murray
Class-tested and coherent, this textbook teaches classical and web information retrieval, including web search and the related areas of text classification and text clustering from basic concepts. It gives an up-to-date treatment of all aspects of the design and implementation of systems for gathering, indexing, and searching

documents; methods for evaluating systems; and an introduction to the use of machine learning methods on text collections. All the important ideas are explained using examples and figures, making it perfect for introductory courses in information retrieval for advanced undergraduates and graduate students in computer science. Based on feedback from extensive classroom experience, the book has been carefully structured in order to make teaching more natural and effective. Slides and additional exercises (with solutions for lecturers) are also available through the book's supporting website to help course instructors prepare their lectures.

Cryptology and the Winds Message Controversy Springer Science & Business Media

The Japanese attack on Hawaii provoked the never-ending story. Multiple official investigations and private historical inquiries into the attack and its background have generated enormous stocks of info. about both the American and Japanese sides. Even so, info. gaps still exist, and many important questions remain under debate. The authors of this report have focused on two of the event's controversies, the Winds Message and the state of U.S. communications intelligence prior to the Hawaiian attack. This assemblage of documents, supplemented by the authors' clear guide to their meaning, places the reader right in the middle of the behind-the-scenes events and helps the scholar and researcher to follow them closely. Illustrations.

Proceedings of the International Conference on High Performance Computing and Applications, August 8-10, 2004, Shanghai, P.R. China CRC Press

This book comprises the refereed proceedings of the International Conference, AIM/CCPE 2012, held in Bangalore, India, in April 2012. The papers presented were carefully reviewed and selected from numerous submissions and focus on the various aspects of research and development activities in computer science, information technology, computational engineering, mobile communication, control and instrumentation, communication system, power electronics and power engineering. **A Report Machine Learning Mastery Internet of Things Applications** aims to provide a broad overview of various topics of Internet of Things (IoT) from the research, innovation, and development priorities to enabling technologies, nanoelectronics, cyber physical systems, architecture, interoperability, and industrial applications. It is intended to be

a standalone book in a series that covers the IoT activities of the Internet of Things European Research Cluster (IERC) from technology to international cooperation and the global "state of play." The book builds on the ideas put forward by the IERC Strategic Research Agenda and presents global views and state-of-the-art results on the challenges the research, development, and deployment of IoT face at the global level. IoT is creating a revolutionary new paradigm with opportunities in every industry, including Health Care, Pharmaceuticals, Food and Beverage, Agriculture, Computer, Electronics Telecommunications, Automotive, Aeronautics, Transportation Energy, and Retail, to apply the massive potential of the IoT to achieving real-world solutions. The beneficiaries will include semiconductor companies, device and product companies, infrastructure software companies, application software companies, consulting companies, and telecommunication and cloud service providers. IoT will create new revenues annually for these stakeholders and potentially create substantial market share shakeups due to increased technology competition. The IoT will fuel technology innovation by creating the means for machines to communicate several different types of information with one another. At the same time, it will contribute to the increased value of information created by the number of interconnections among things and the transformation of the processed information into knowledge shared in the Internet of Everything. The success of IoT depends strongly on enabling technology development, market acceptance, and standardization, which provides interoperability, compatibility, reliability, and effective operations on a global scale. The connected devices are part of ecosystems connecting people, processes, data, and things which are communicating in the cloud, using the increased storage and computing power and pushing for standardization of communication and metadata. In this context, product manufacturers have to address security, privacy, safety, and trust through the life cycle of their products, from design to the support processes. The IoT developments address the whole IoT spectrum - from devices at the edge to cloud and datacentres on the backend and everything in between - through ecosystems created by industry, research, and application stakeholders that enable real-world use cases to accelerate the IoT and establish open interoperability standards and common architectures for

IoT solutions. Enabling technologies such as nanoelectronics, sensors/actuators, cyber-physical systems, intelligent device management, smart gateways, telematics, smart network infrastructure, cloud computing, and software technologies will create new products, services, and interfaces by creating smart environments and smart spaces with applications ranging from Smart Cities, smart transport, buildings, energy, and grid to smart health and life. Technical topics discussed in the book include: * Introduction * Internet of Things Strategic Research and Innovation Agenda * Internet of Things in the industrial context: Time for deployment. * Integration of heterogeneous smart objects, applications and services * Evolution from device to semantic and business interoperability * Software define and virtualization of network resources * Innovation through interoperability and standardisation when everything is connected anytime at anyplace * Dynamic context-aware scalable and trust-based IoT Security, Privacy framework * Federated Cloud service management and the Internet of Things * Internet of Things Applications James Currey Publishers
This seminar is a loose continuation of two previous conferences held in Lund (1982, 1983), mainly devoted to interpolation spaces, which resulted in the publication of the *Lecture Notes in Mathematics Vol. 1070*. This explains the bias towards that subject. The idea this time was, however, to bring together mathematicians also from other related areas of analysis. To emphasize the historical roots of the subject, the collection is preceded by a lecture on the life of Marcel Riesz. *AS pure mathematics* Springer Science & Business Media
Introduction to Information Retrieval Cambridge University Press
Second international Joint Conference, AIM/CCPE 2012, Bangalore, India, April 27-28, 2012. Revised Papers Springer
Since the publication of the first edition in 2004, advances in mobile devices, positioning sensors, WiFi fingerprinting, and wireless communications, among others, have paved the way for developing new and advanced location-based services (LBSs). This second edition provides up-to-date information on LBSs, including WiFi fingerprinting, mobile computing, geospatial clouds, geospatial data mining, location privacy, and location-based social networking. It also includes new chapters on application areas such as LBSs for public health, indoor navigation, and advertising. In addition, the chapter on remote sensing has been revised to

address advancements.

Proceedings of MIE 2020 Cambridge University Press

This volume constitutes the proceedings of the 11th International Conference on Intelligent Human Computer Interaction, IHCI 2019, held in Allahabad, India, in December 2019. The 25 full papers presented in this volume were carefully reviewed and selected from 73 submissions. The papers are grouped in the following topics: EEG and other biological signal based interactions; natural language, speech and dialogue processing; vision based interactions; assistive living and rehabilitation; and applications of HCI.

Advances in Signal Processing and Communication Springer Science & Business Media

This proceeding discuss the latest solutions, scientific findings and methods for solving intriguing problems in the fields of data mining, computational intelligence, big data analytics, and soft computing. This gathers outstanding papers from the fifth International Conference on "Computational Intelligence in Data Mining" (ICCIDM), and offer a "sneak preview" of the strengths and weaknesses of trending applications, together with exciting advances in computational intelligence, data mining, and related fields.

Language Modeling for Information Retrieval Springer

The CIA's 2013 release of its book *The Central Intelligence Agency and Overhead Reconnaissance 1954-1974* is a fascinating and important historical document. It contains a significant amount of newly declassified material with respect to the U-2 and Oxcart programs, including names of pilots; codenames and cryptonyms; locations, funding, and cover arrangements; electronic countermeasures equipment; cooperation with foreign governments; and overflights of the Soviet Union, Cuba, China, and other countries. Originally published with a Secret/No Foreign Dissemination classification, this detailed study describes not only the program's technological and bureaucratic aspects, but also its political and international context, including the difficult choices faced by President Eisenhower in authorizing overflights of the Soviet Union and the controversy surrounding the shoot down there of U-2 pilot Francis Gary Powers in 1960. The authors discuss the origins of the U-2, its top-secret testing, its specially designed high-altitude cameras and complex life-support systems, and even the possible use of poison capsules by its pilots, if

captured. They call attention to the crucial importance of the U-2 in the gathering of strategic and tactical intelligence, as well as the controversies that the program unleashed. Finally, they discuss the CIA's development of a successor to the U-2, the Oxcart, which became the world's most technologically advanced aircraft. For the first time, the more complete 2013 release of this historical text is available in a professionally typeset format, supplemented with higher quality photographs that will bring alive these incredible aircraft and the story of their development and use by the CIA. This edition also includes a new preface by author Gregory W. Pedlow and a foreword by Chris Pocock. Skyhorse Publishing, as well as our Arcade imprint, are proud to publish a broad range of books for readers interested in history--books about World War II, the Third Reich, Hitler and his henchmen, the JFK assassination, conspiracies, the American Civil War, the American Revolution, gladiators, Vikings, ancient Rome, medieval times, the old West, and much more. While not every title we publish becomes a New York Times bestseller or a national bestseller, we are committed to books on subjects that are sometimes overlooked and to authors whose work might not otherwise find a home.

Progress in Intelligent Computing Techniques: Theory, Practice, and Applications Springer Science & Business Media

This book is open access under a CC BY 4.0 license. By 2050, human population is expected to reach 9.7 billion. The demand

for increased food production needs to be met from ever reducing resources of land, water and other environmental constraints. Rice remains the staple food source for a majority of the global populations, but especially in Asia where ninety percent of rice is grown and consumed. Climate change continues to impose abiotic and biotic stresses that curtail rice quality and yields. Researchers have been challenged to provide innovative solutions to maintain, or even increase, rice production. Amongst them, the 'green super rice' breeding strategy has been successful for leading the development and release of multiple abiotic and biotic stress tolerant rice varieties. Recent advances in plant molecular biology and biotechnologies have led to the identification of stress responsive genes and signaling pathways, which open up new paradigms to augment rice productivity. Accordingly, transcription factors, protein kinases and enzymes for generating protective metabolites and proteins all contribute to an intricate network of events that guard and maintain cellular integrity. In addition, various quantitative trait loci associated with elevated stress tolerance have been cloned, resulting in the detection of novel genes for biotic and abiotic stress resistance. Mechanistic understanding of the genetic basis of traits, such as N and P use, is allowing rice researchers to engineer nutrient-efficient rice varieties, which would result in higher yields with lower inputs. Likewise, the research in micronutrients biosynthesis opens doors to genetic engineering of metabolic pathways to enhance micronutrients

production. With third generation sequencing techniques on the horizon, exciting progress can be expected to vastly improve molecular markers for gene-trait associations forecast with increasing accuracy. This book emphasizes on the areas of rice science that attempt to overcome the foremost limitations in rice production. Our intention is to highlight research advances in the fields of physiology, molecular breeding and genetics, with a special focus on increasing productivity, improving biotic and abiotic stress tolerance and nutritional quality of rice.

Mobile Communication and Power Engineering Children's Defense Fund

This book presents selected papers from the 3rd International Conference on Micro-Electronics and Telecommunication Engineering, held at SRM Institute of Science and Technology, Ghaziabad, India, on 30-31 August 2019. It covers a wide variety of topics in micro-electronics and telecommunication engineering, including micro-electronic engineering, computational remote sensing, computer science and intelligent systems, signal and image processing, and information and communication technology.

Frontiers of High Pressure Research Evan-Moor

This open access book, published under a CC BY 4.0 license in the Pubmed indexed book series Handbook of Experimental Pharmacology, provides up-to-date information on best practice to improve experimental design and quality of research in non-clinical pharmacology and biomedicine.

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- [Things We Never Got Over \(knockemout\)](#)
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