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*Environmental Innovation in China* **Science Communication Practice in China** **Practical Philosophy and Action Theory** *Communications and Information Processing* **Chinese Science and Technology Industrial Parks** **Machine Translation and the Information Soup** *Internet of Everything: Key Technologies, Practical Applications and Security of IoT* **Key Issues in Translation Studies in China** **Issues in Dentistry, Oral Health, Odontology, and Craniofacial Research: 2013 Edition** *The Sustainability of the Translation Field* *Information Security Practice and Experience* *Chinese Philosophy of Technology* **Artificial Intelligence in Theory and Practice IV** **SOFSEM 2017: Theory and Practice of Computer Science** **SOFSEM 2005: Theory and Practice of Computer Science** **Machine Learning for Human Motion Analysis: Theory and Practice** **Life-Cycle Civil Engineering: Innovation, Theory and Practice** **Advances in Artificial Intelligence: From Theory to Practice** **Mechatronics and Machine Vision in Practice 4** *Law and Practice of Crowdfunding and Peer-to-Peer Lending in Australia, China and Japan* **SY; SY/T; SYT - Product Catalog. Translated English of Chinese Standard. (SY; SY/T; SYT)** *British Qualifications 2013* *Willing's Press Guide* **Advances in Information Technology Research and Application: 2011 Edition** **Parallel Computer Organization and Design** *Lead-Acid Batteries: Science and Technology* *Advanced Artificial Intelligence (Second Edition)* *Chinese Intellectual Property and Technology Laws* *Global Applications of Pervasive and Ubiquitous Computing* *Willing's Press Guide and Advertisers' Directory and Handbook* **Bacteriophages Isolation From The Environment And Their Antimicrobial Therapeutic Potential** *Milady's Standard Nail Technology* **AI Computing Systems** **Future Information Engineering and Manufacturing Science** *Frontier Computing* **Machine Translation and the Information Soup** **Advances in Artificial Reality and Tele-Existence** *Valve-Regulated Lead-Acid Batteries* **Fusion Neutronics** **Waves of Prosperity**

**Issues in Dentistry, Oral Health, Odontology, and Craniofacial Research: 2013 Edition** Jun 12 2022 *Issues in Dentistry, Oral Health, Odontology, and Craniofacial Research: 2013 Edition* is a ScholarlyEditions™ book that delivers timely, authoritative, and comprehensive information about Endodontics. The editors have built *Issues in Dentistry, Oral Health, Odontology, and Craniofacial Research: 2013 Edition* on the vast information databases of ScholarlyNews.™ You can expect the information about Endodontics in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of *Issues in Dentistry, Oral Health, Odontology, and Craniofacial Research: 2013 Edition* has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

**AI Computing Systems** May 19 2020 *AI Computing Systems: An Application Driven Perspective* adopts the principle of "application-driven, full-stack penetration" and uses the specific intelligent application of "image style migration" to provide students with a sound starting place to learn. This approach enables readers to obtain a full view of the AI computing system. A complete intelligent computing system involves many aspects such as processing chip, system structure, programming environment, software, etc., making it a difficult topic to master in a short time. Provides an in-depth analysis of the underlying principles behind the use of knowledge in intelligent computing systems Centers around application-driven and full-stack penetration, focusing on the knowledge required to complete this application at all levels of the software and hardware technology stack Supporting experimental tutorials covering key knowledge points in each chapter provide practical guidance and formalization tools for developing a simple AI computing system

**Machine Translation and the Information Soup** Feb 14 2020

*Environmental Innovation in China* Feb 20 2023 "Chinese science today = Dang dai Zhongguo ke xue" --Cover.

**Advances in Information Technology Research and Application: 2011 Edition** Feb 25 2021 *Advances in Information Technology Research and Application: 2011 Edition* is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Information Technology. The editors have built *Advances in Information Technology Research and Application: 2011 Edition* on the vast information databases of ScholarlyNews.™ You can expect the information about Information Technology in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The

content of *Advances in Information Technology Research and Application: 2011 Edition* has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

The Sustainability of the Translation Field May 11 2022

SY; SY/T; SYT - Product Catalog. Translated English of Chinese Standard. (SY; SY/T; SYT) May 31 2021 This document provides the comprehensive list of Chinese Industry Standards - Category: SY; SY/T; SYT.

*Global Applications of Pervasive and Ubiquitous Computing* Sep 22 2020 As technology continues to play a vital role in our everyday lives, advancements in human-computer interaction studies embrace ubiquitous computing as a tool for information processing to evolve into the human environment. *Global Applications of Pervasive and Ubiquitous Computing* provides the global applications and efforts in building and applying pervasive and ubiquitous computer technology. This book provides an essential collection of research on information technology for educators, researchers, and practitioners aiming to advance the practice and understanding of pervasive and ubiquitous applications.

**Machine Learning for Human Motion Analysis: Theory and Practice** Nov 05 2021 "This book highlights the development of robust and effective vision-based motion understanding systems, addressing specific vision applications such as surveillance, sport event analysis, healthcare, video conferencing, and motion video indexing and retrieval"--Provided by publisher.

*Chinese Intellectual Property and Technology Laws* Oct 24 2020 The rapid evolution of China from an emerging to a mature intellectual property jurisdiction has far-reaching implications for the law, policy and practice of IP, and their links with competition and technology law. Produced in the year China rose to fourth rank globally as user of the international patent system, this volume is an invaluable guide for the policymaker, the analyst and the practitioner alike, setting a thorough exposition of the substantive law and its application within a broader policy context, and offering a comprehensive, timely overview of an IP system just at the time it begins to assume central significance on the world stage. Antony Taubman, Director, IP Division, WTO This edited volume offers an excellent comprehensive overview of China's intellectual property and technology laws. The eminent contributors to this volume have played important roles in shaping China's IP system and in tackling the many challenges confronting it. By making their views of the system readily accessible to an English audience, this volume will undoubtedly add to our understanding of the legal protections and challenges facing innovation industries in China. Mark Wu, Harvard Law School, US The pioneering studies in this book examine the fundamental role of intellectual property and technology laws as China is moving from made in China to created in China. This book also helps us to understand about the interplay between China's intellectual property protection system and the potential for transition of China's economy, and provides numerous means to deal with the legislative difficulties in China's innovation-oriented strategy. Wu Handong, Zhongnan University of Economics and Law, China Written by some of China's leading academic experts and with a foreword by the former Chief Justice of the IP Tribunal of China's Supreme People's Court, this book combines for the very first time a review of both Chinese intellectual property and technology laws in a single volume in English. The book initially focuses on recent amendments to the laws of copyright, trademarks, patents, before moving on to discuss unfair competition and trade secrets, and the protection of intellectual property over electronic networks. Other chapters cover the regulation of digital networks and telecommunications; IT and E-commerce; the new antimonopoly law and competition; and China's position on the TRIPS agreement. Of special note is a chapter written by in-house Counsel and the Chairman of the Quality Brands Protection Committee (a coalition of well known multinational brands) reviewing both brand protection and practical enforcement of intellectual property in China. This book will appeal to scholars and postgraduate students in commercial law (especially in IP, trade, competition, and technology), Chinese studies and business, as well as regulators, international agencies and law firms. Management consultancy and accounting firms, banks and investment firms will also find this book invaluable.

**Milady's Standard Nail Technology** Jun 19 2020 This newly revised workbook directly follows the information found in the student textbook. This popular supplement contains detailed, interactive exercises designed to reinforce learning and increase student comprehension, including fill-in-the-blank, word review, matching, and final review examinations. Carefully designed to help students get the most out of their textbooks, the workbook emphasizes key point of information that are most likely to included in state board exams.

Internet of Everything: Key Technologies, Practical Applications and Security of IoT Aug 14 2022

**Waves of Prosperity** Oct 12 2019 When the Genoese merchant, Marco Polo, first arrived in Dynastic China he was faced with a society far advanced of anything he had encountered in Europe. The ports were filled with commodities from all over the eastern world, while new technology was driving the economy forward. It would take another 400 years before European trade in the Atlantic eclipsed the Pacific markets. From China's phenomenally successful

Sung dynasty (c. AD 960-1279), Cargoes reveals the power of the Mughals merchants of Gujarat, who built an empire so powerful that, even in the 17th century, the richest man in the world was a Gujarat trader. It was not until the opening up of the spice routes and the discovery of South American gold that medieval Iberia came to the fore. It was only then that the Atlantic Empire of the west came to dominate world trade, first the Dutch Republic in the seventeenth century, then the British Empire in the age of the Industrial Revolution, American supremacy in the twentieth century, and the development of post-war Japan. Along the way Greg Clydesdale looks at the parallel lives and ideas of merchants and explorers, missionaries, kings, bankers and emperors. He shows how great trading nations rise on a wave of technological and financial innovation and how in that success lies the cause of their inevitable decline.

*Information Security Practice and Experience* Apr 10 2022 This book constitutes the proceedings of the 12th International Conference on Information Security and Practice and Experience, ISPEC 2016, held in Zhangjiajie, China, in November 2016. The 25 papers presented in this volume were carefully reviewed and selected from 75 submissions. They cover multiple topics in information security, from technologies to systems and applications.

Willing's Press Guide Mar 29 2021 "A guide to the press of the United Kingdom and to the principal publications of Europe, Australia, the Far East, Gulf States, and the U.S.A.

*Communications and Information Processing* Nov 17 2022 The two volume set, CCIS 288 and 289, constitutes the thoroughly refereed post-conference proceedings of the First International Conference on Communications and Information Processing, ICCIP 2012, held in Aveiro, Portugal, in March 2012. The 168 revised full papers of both volumes were carefully reviewed and selected from numerous submissions. The papers present the state-of-the-art in communications and information processing and feature current research on the theory, analysis, design, test and deployment related to communications and information processing systems.

**Science Communication Practice in China** Jan 19 2023 China has made remarkable and rapid progress in the area of science communication, both in theory and practice. This book critically examines all aspects of science communication practices in China. Dealing with major turning points since the introduction of the 'Science and Technology Popularization Law' and the 'Outline of the National Scheme for Scientific Literacy', the book tells a success story by scrutinizing structural changes in science communication policies, education system, construction and efficacious utilisation of science popularisation facilities, and creative use of a mix of traditional and modern channels of communication. The book also gives an in-depth analysis of the monitoring and evaluation mechanism, which constitutes the backbone of the national science communication project. The historical roots of science communication in China include shifts in methodologies, policy instruments, effectual approaches and resultant practices since the days of initial efforts to popularise modern scientific ideas. However, the primary focus of the book remains on the initiatives launched at the turn of the present century. Without losing sight of the national dimensions, each chapter of the book draws from provincial as well as grassroots level experiences. Quantitative and qualitative methods have been used to analyse strengths, weaknesses, hurdles and the efficacy of corrective measures. This book offers a remarkable insight to anyone who is interested in probing the causal relationship between science communication and China's transformation into a modern society. The primary objective of the book is to analyse the nature of 'science communication with Chinese characteristics' and the specificity of the socio-cultural environment in which Science and Technology is located. Though the book is of particular interest to scholars, researchers, students and practitioners of science communication, the narrative style makes it accessible to the general reader who is interested in science-society relationship.

**Bacteriophages Isolation From The Environment And Their Antimicrobial Therapeutic Potential** Jul 21 2020

Key Issues in Translation Studies in China Jul 13 2022 This book revisits a number of key issues in Chinese Translation Studies. Reflecting on e.g. what Translation Studies researchers have achieved in the past, and the extent to which the central issues have been addressed and what still needs to be done, a group of respected scholars share their expertise in order to identify some tangible directions and potential areas for future research. In addition, the book discusses a number of key themes, e.g. Translation Studies as a discipline and its essential characteristics, the cultural dimension in translator training, paradigms of curriculum design, the reform of assessment for professional qualification, acts and translation shifts, the principle of faithfulness in translation, and interpreter's cognitive processing routes. The book offers a useful reference guide for a broad readership including graduate students, and shares insiders' accounts of various current topics and issues in Chinese Translation Studies. Given its scope, it is also a valuable resource for researchers interested in translation studies in the Chinese context.

Lead-Acid Batteries: Science and Technology Dec 26 2020 The book presents a comprehensive overview of the theory of the technological processes of lead-acid battery manufacture and their influence on battery performance parameters. It summarizes the current knowledge about the technology of lead-acid battery production and presents it in the form of an integral theory. This theory is supported by ample illustrative material and experimental data, thus allowing technologists and engineers to control the technological processes in battery plants and providing university lecturers with a toll for clear and in-depth presentation of the technology of lead-acid battery production

in their courses. The relationship between the technological processes and the performance characteristics of the batteries is disclosed too. Disclosure of the structures of the lead and lead dioxide active masses, ensuring reversibility of the processes during charge and discharge and thus long cycle life of the battery Proposal of optimum conditions for individual technological processes which would yield appropriate structures of the lead and lead dioxide active masses Disclosure of the influence of H<sub>2</sub>SO<sub>4</sub> concentration on battery performance parameters Discussion of the processes involved in the closed oxygen cycle in VRLAB and the thermal phenomena leading to thermal runaway (TRA) Elucidation of the relationship between technology of battery manufacture and battery capacity and cycle life performance

**Advances in Artificial Reality and Tele-Existence** Jan 15 2020 This book constitutes the refereed proceedings of the 16th International Conference on Artificial Reality and Telexistence, ICAT 2006, held in Hangzhou, China in November/December 2006. The 138 revised papers cover anthropomorphic intelligent robotics, artificial life, augmented reality, distributed and collaborative VR system, motion tracking, real time computer simulation virtual reality, as well as VR interaction and navigation techniques.

**Future Information Engineering and Manufacturing Science** Apr 17 2020 The 2014 International Conference on Future Information Engineering and Manufacturing Science (FIEMS 2014) was held June 26-27 in Beijing, China. The objective of FIEMS 2014 was to provide a platform for researchers, engineers, academics as well as industry professionals from all over the world to present their research results and development acti

Advanced Artificial Intelligence (Second Edition) Nov 24 2020 The joint breakthrough of big data, cloud computing and deep learning has made artificial intelligence (AI) the new focus in the international arena. AI is a branch of computer science, developing intelligent machine with imitating, extending and augmenting human intelligence through artificial means and techniques to realize intelligent behaviour. This comprehensive compendium, consisting of 15 chapters, captures the updated achievements of AI. It is completely revised to reflect the current researches in the field, through numerous techniques and strategies to address the impending challenges facing computer scientists today. The unique volume is useful for senior or graduate students in the information field and related tertiary specialities. It is also a suitable reference text for professionals, researchers, and academics in AI, machine learning, electrical & electronic engineering and biocomputing.

**Chinese Science and Technology Industrial Parks** Oct 16 2022 Title first published in 2003. This book examines types of advanced technology Chinese districts set aside for developing products for national and global markets. Culminating in a proposed best practice model for Chinese integration into global networks, based on China's own particular political economy.

Valve-Regulated Lead-Acid Batteries Dec 14 2019 For many decades, the lead-acid battery has been the most widely used energy-storage device for medium- and large-scale applications (approximately 100Wh and above). In recent years, the traditional, flooded design of the battery has begun to be replaced by an alternative design. This version - the valve-regulated lead-acid (VRLA) battery - requires no replenishment of the water content of the electrolyte solution, does not spill liquids, and can be used in any desired orientation. Since the VRLA battery operates in a somewhat different manner from its flooded counterpart, considerable technological development has been necessary to meet the exacting performance requirements of the full range of applications in which rechargeable batteries are used. The valve-regulated design is now well established in the industrial battery sector, and also appears set to be adopted widely for automotive duty. This book provides a comprehensive account of VRLA technology and its uses. In the future, all industrial processes - including the manufacture of batteries - will be required to conform to the conventions of sustainability. Accordingly, the crucial areas of the environmental impact associated with the production and use of VRLA batteries and the recycling of spent units are also treated thoroughly. Valve-Regulated Lead-Acid Batteries gives an essential insight into the science that underlies the development and operation of VRLA batteries and is a comprehensive reference source for those involved in the practical use of the technology in key energy-storage applications. Covers all major advances in the field Provides a comprehensive account of VRLA technology and its uses First book dedicated to this technology

Chinese Philosophy of Technology Mar 09 2022 This book gathers essays that introduce the ideological advances in the philosophy of engineering and technology in contemporary China. It particularly focuses on China's distinctive concepts and methods, revealing different views and academic debates to offer readers a comprehensive overview of this important field. The contributors present unique perspectives based on practical problems and traditional philosophy, examining such issues and concepts as axiology and theories of process, the difference between engineering activities and technology activities, and the core of the relationship between "Dao" and "Technique." Other essays cover the ethics of technology, practical wisdom (phronesis) and practical reasoning, as well as creative concepts and methods concerning the philosophical problems in high technology, architectural technology, and technological innovation. The authors also consider more general issues in the field. This book compiles the relevant research achievements of Chinese scholars in various time periods. Some authors have revised and translated into English papers published in Chinese, while others present their research in English specifically for this study. An

annotated bibliography of the major publications in the field completes this collection.

**Machine Translation and the Information Soup** Sep 15 2022

Machine Translation and the Information Soup! Over the past forty years, machine translation has grown from a tantalizing dream to a respectable and stable scientific enterprise, with users, commercial systems, university research, and government participation. But until very recently, MT has been performed as a relatively distinct operation, somewhat isolated from other text processing. Today, this situation is changing rapidly. The explosive growth of the Web has brought multilingual text into the reach of nearly everyone with a computer. We live in a soup of information, an increasingly multilingual bouillabaisse. And to partake of this soup, we can use MT systems together with more and more tools and language processing technologies, information retrieval engines, automated text summarizers, and multimodal and multilingual displays. Though some of them may still be rather experimental, and though they may not quite fit together well yet, it is clear that the future will offer text manipulation systems that contain all these functions, seamlessly interconnected in various ways.

*Frontier Computing* Mar 17 2020 This book gathers the proceedings of the 9th International Conference on Frontier Computing, held in Kyushu, Japan on July 9–12, 2019, and provides comprehensive coverage of the latest advances and trends in information technology, science and engineering. It addresses a number of broad themes, including communication networks, business intelligence and knowledge management, web intelligence, and related fields that inspire the development of information technology. The respective contributions cover a wide range of topics: database and data mining, networking and communications, web and internet of things, embedded systems, soft computing, social network analysis, security and privacy, optical communication, and ubiquitous/pervasive computing. Many of the papers outline promising future research directions, and the book will benefit students, researchers and professionals alike. Further, it offers a useful reference guide for newcomers to the field.

**Parallel Computer Organization and Design** Jan 27 2021 Teaching fundamental design concepts and the challenges of emerging technology, this textbook prepares students for a career designing the computer systems of the future. In-depth coverage of complexity, power, reliability and performance, coupled with treatment of parallelism at all levels, including ILP and TLP, provides the state-of-the-art training that students need. The whole gamut of parallel architecture design options is explained, from core microarchitecture to chip multiprocessors to large-scale multiprocessor systems. All the chapters are self-contained, yet concise enough that the material can be taught in a single semester, making it perfect for use in senior undergraduate and graduate computer architecture courses. The book is also teeming with practical examples to aid the learning process, showing concrete applications of definitions. With simple models and codes used throughout, all material is made open to a broad range of computer engineering/science students with only a basic knowledge of hardware and software.

**Life-Cycle Civil Engineering: Innovation, Theory and Practice** Oct 04 2021 Life-Cycle Civil Engineering: Innovation, Theory and Practice contains the lectures and papers presented at IALCCE2020, the Seventh International Symposium on Life-Cycle Civil Engineering, held in Shanghai, China, October 27-30, 2020. It consists of a book of extended abstracts and a USB card containing the full papers of 230 contributions, including the Fazlur R. Khan lecture, eight keynote lectures, and 221 technical papers from all over the world. All major aspects of life-cycle engineering are addressed, with special emphasis on life-cycle design, assessment, maintenance and management of structures and infrastructure systems under various deterioration mechanisms due to various environmental hazards. It is expected that the proceedings of IALCCE2020 will serve as a valuable reference to anyone interested in life-cycle of civil infrastructure systems, including students, researchers, engineers and practitioners from all areas of engineering and industry.

**Willing's Press Guide and Advertisers' Directory and Handbook** Aug 22 2020

Law and Practice of Crowdfunding and Peer-to-Peer Lending in Australia, China and Japan Jul 01 2021 The revolution in financial technology (FinTech) has created many advancements in the lending and investment space across the world. Law and Practice of Crowdfunding and Peer-to-Peer Lending in Australia, China, and Japan is a timely publication as FinTech grows up and moved into the mainstream of finance in the last decade. Financial services is a highly regulated industry as it is the lifeblood of a modern economy. Pelma Rajapakse, Hatsuru Morita, and Yinxu Huang have done very solid work blazing a new trail in what is a new industry and how to regulate it properly instead of stifling innovation. They have carried out a deep exploration and a thorough compilation of research that will bring everyone up to date on what Australia, China, and Japan are planning and doing in the field of crowdfunding and peer-to-peer lending. In addition to peer-to-peer lending, the book focuses on laws and practices related to Central Bank digital currencies, cryptocurrency, Bitcoin, and Initial Coin Offerings (ICOs) which is very meaningful and forward-looking. The authors presented their thoughts in such clarity that, even those who lack familiarity with Asia-Pacific, will see how FinTech was growing in various ways driven by different factors. For example, peer-to-peer lending in Japan is mostly for small and medium enterprises. It was popular in China but cracked down by the authorities for a few years. It provides an alternative fundraising channel for the capital market in Australia. We also see a set of regulatory approaches among jurisdictions. Some countries draft new regulations,

while others amend existing laws. The mechanism of the regulatory sandbox was introduced. As we know, one size does not fit all. What kind of best practices or lessons learned can we apply to our own jurisdiction? This book covers all available answers to date. This volume speaks highly of the quality and foresight of Pelma Rajapakse and her co-authors.

**Mechatronics and Machine Vision in Practice 4** Aug 02 2021 The many intriguing examples on the application of mechatronics reinforce the excitement of this creative field of technology. As a collection they present a stimulating resource to developers of future mechatronics technology, and to educators searching for interesting examples. From structured-light measurement of the build-up of detritus on railway bogies and detection of uncracked spores of Chinese medicine to a practical tractor vision guidance system embedded in a smart-phone application, the practical applications of mechatronics and machine vision abound. Fruits are counted on the tree, pasture biomass is measured and a robot collects camel dung as a resource. 3D printing is in vogue, but papers here discuss the construction and strategy of the printer itself. The measurement and analysis of myoelectric muscle signals enable a prosthesis to be controlled and a feeding robot is used for patient care. An exoskeleton has both soft and rigid links and an optical sensor analyses the tissue into which a surgical needle is being inserted. These are some of the papers in this collection from the 26th annual conference on Mechatronics and Machine Vision in Practice, carefully selected to exclude papers that are merely theoretical and to highlight those that show practical verification. Papers have been contributed from China, New Zealand, the Philippines, Emirates, Germany and of course Australia.

**Practical Philosophy and Action Theory** Dec 18 2022 This is Volume 2 of Praxiology: The International Annual of Practical Philosophy and Methodology, focusing on Philosophy and Action Theory. This volume is divided into three parts: the first one being, so to speak, a 'business card' of Finland's contemporary practical philosophy, the second one being a 'business card' of the Poland's present praxiology, and a collection of contributions from other philosophical environments related to the topics.

**Artificial Intelligence in Theory and Practice IV** Feb 08 2022 This book constitutes the refereed proceedings of the 4th IFIP TC 12 International Conference on Artificial Intelligence, IFIP AI 2015, Held as Part of WCC 2015, in Daejeon, South Korea, in October 2015. The 13 full papers presented were carefully reviewed and selected from 36 submissions. The papers are organized in topical sections on artificial intelligence techniques in biomedicine, artificial intelligence for knowledge management, computational intelligence and algorithms, and intelligent decision support systems.

SOFSEM 2017: Theory and Practice of Computer Science Jan 07 2022 This book constitutes the refereed proceedings of the 43rd International Conference on Current Trends in Theory and Practice of Computer Science, SOFSEM 2017, held in Limerick, Ireland, in January 2017. The 34 papers presented in this volume were carefully reviewed and selected from 41 submissions. They were organized in topical sections named: foundations in computer science; semantics, specification and compositionality; theory of mobile and distributed systems; verification and automated system analysis; petri nets, games and relaxed data structures; graph theory and scheduling algorithms; quantum and matrix algorithms; planar and molecular graphs; coloring and vertex covers; algorithms for strings and formal languages; data, information and knowledge engineering; and software engineering: methods, tools, applications.

SOFSEM 2005: Theory and Practice of Computer Science Dec 06 2021 This book constitutes the refereed proceedings of the 31st Conference on Current Trends in Theory and Practice of Computer Science, SOFSEM 2005, held in Liptovský Ján, Slovakia in January 2005. The 28 revised full papers and 16 revised short papers presented together with 8 invited contributions were carefully reviewed and selected from 144 submissions. The papers were organized in four topical tracks on foundations of computer science, modeling and searching data in the web area, software engineering, and graph drawing and discrete computational mathematics.

**Fusion Neutronics** Nov 12 2019 This book provides a systematic and comprehensive introduction to fusion neutronics, covering all key topics from the fundamental theories and methodologies, as well as a wide range of fusion system designs and experiments. It is the first-ever book focusing on the subject of fusion neutronics research. Compared with other nuclear devices such as fission reactors and accelerators, fusion systems are normally characterized by their complex geometry and nuclear physics, which entail new challenges for neutronics such as complicated modeling, deep penetration, low simulation efficiency, multi-physics coupling, etc. The book focuses on the neutronic characteristics of fusion systems and introduces a series of theories and methodologies that were developed to address the challenges of fusion neutronics. Further, it introduces readers to the unique principles and procedures of neutronics design, experimental methodologies and methodologies for fusion systems. The book not only highlights the latest advances and trends in the field, but also draws on the experiences and skills collected in the author's more than 40 years of research. To make it more accessible and enhance its practical value, various representative examples are included to illustrate the application and efficiency of the methods, designs and experimental techniques discussed.

British Qualifications 2013 Apr 29 2021 Now in its 43rd edition, British Qualifications is the definitive one-volume

guide to every qualification on offer in the United Kingdom. With full details of all institutions and organizations involved in the provision of further and higher education, this publication is an essential reference source for careers advisors, students and employers. It also includes a comprehensive and up-to-date description of the structure of further and higher education in the UK. The book includes information on awards provided by over 350 professional institutions and accrediting bodies, details of academic universities and colleges and a full description of the current framework of academic and vocational educational. It is compiled and checked annually to ensure accuracy of information.

**Advances in Artificial Intelligence: From Theory to Practice** Sep 03 2021 The two-volume set LNCS 10350 and 10351 constitutes the thoroughly refereed proceedings of the 30th International Conference on Industrial, Engineering and Other Applications of Applied Intelligent Systems, IEA/AIE 2017, held in Arras, France, in June 2017. The 70 revised full papers presented together with 45 short papers and 3 invited talks were carefully reviewed and selected from 180 submissions. They are organized in topical sections: constraints, planning, and optimization; data mining and machine learning; sensors, signal processing, and data fusion; recommender systems; decision support systems; knowledge representation and reasoning; navigation, control, and autonome agents; sentiment analysis and social media; games, computer vision; and animation; uncertainty management; graphical models: from theory to applications; anomaly detection; agronomy and artificial intelligence; applications of argumentation; intelligent systems in healthcare and mhealth for health outcomes; and innovative applications of textual analysis based on AI.

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