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Translators want to take their readers into account, but traditional translation theory does not offer much advice on how to do that. User-Centered Translation (UCT) offers practical tools and methods to help empower translators to act for their readers. This book will help readers to: Create mental models such as personas; Test translations with usability testing methods; Carry out reception research. Including assignments, case studies and real-life scenarios ranging from the translation of user instructions and EU texts to literary and audiovisual translation, this is an essential guide for students, translators and researchers.

Volume One of the thoroughly revised and updated guide to the study of biodiversity in insects The second edition of *Insect Biodiversity: Science and Society* brings together in one comprehensive text contributions from leading scientific experts to assess the influence insects have on humankind and the earth's fragile ecosystems. Revised and updated, this new edition includes information on the number of substantial changes to entomology and the study of biodiversity. It includes current research on insect groups, classification, regional diversity, and a wide range of concepts and developing methodologies. The authors examine why insect biodiversity matters and how the rapid evolution of insects is affecting us all. This book explores the wide variety of insect species and their evolutionary relationships. Case studies offer assessments on how insect biodiversity can help meet the needs of a rapidly expanding human population, and also examine the consequences that an increased loss of insect species will have on the world. This important text: Explores the rapidly increasing influence on systematics of genomics and next-generation sequencing Includes developments in the use of DNA barcoding in insect systematics and in the broader study of insect biodiversity, including the detection of cryptic species Discusses the advances in information science that influence the increased capability to gather, manipulate, and analyze biodiversity information Comprises scholarly contributions from leading scientists in the field *Insect Biodiversity: Science and Society* highlights the rapid growth of insect biodiversity research and includes an expanded treatment of the topic that addresses the major insect groups, the zoogeographic regions of biodiversity, and the scope of systematics approaches for handling biodiversity data.

Artefacts, Archives, and Documentation in the Relational Museum provides the first interdisciplinary study of the digital documentation of artefacts and archives in contemporary museums, while also exploring the implications of polyphonic, relational thinking on collections documentation. Drawing on case studies from Australia, the United Kingdom, and the United States, the book provides a critical examination of the history of collections management and documentation since the introduction of computers to museums in the 1960s, demonstrating how technology has contributed to the disconnection of distributed collections knowledge. Jones also highlights how separate documentation systems have developed, managed by distinct, increasingly professionalised staff, impacting our ability to understand and use what we find in museums and their ever-expanding online collections. Exploring this legacy allows us to rethink current practice, focusing less on individual objects and more on the rich stories and interconnected resources that lie at the heart of the contemporary, plural, participatory 'relational museum.' *Artefacts,*

Archives, and Documentation in the Relational Museum is essential reading for those who wish to better understand the institutional silos found in museums, and the changes required to make museum knowledge more accessible. The book is a particularly important addition to the fields of museum studies, archival science, information management, and the history of cultural heritage technologies.

The job interview is probably the most important step you will take in your job search journey. Because it's always important to be prepared to respond effectively to the questions that employers typically ask at a job interview Petrogav International has prepared this eBooks that will help you to get a job in oil and gas industry. Since these questions are so common, hiring managers will expect you to be able to answer them smoothly and without hesitation. This eBook contains 273 questions and answers for job interview and as a BONUS web addresses to 218 video movies for a better understanding of the technological process. This course covers aspects like HSE, Process, Mechanical, Electrical and Instrumentation & Control that will enable you to apply for any position in the Oil and Gas Industry.

The introduction of new topologies and training procedures to deep neural networks has solicited a renewed interest in the field of neural computation. The use of deep structures has significantly improved state-of-the-art applications in many fields, such as computer vision, speech and text processing, medical applications, and IoT (Internet of Things). The probability of a successful outcome from a neural network is linked to selection of an appropriate network architecture and training algorithm. Accordingly, much of the recent research on neural networks has been devoted to the study and proposal of novel architectures, including solutions tailored to specific problems. This book gives significant contributions to the above-mentioned fields by merging theoretical aspects and relevant applications.

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This book constitutes the refereed proceedings of the 13th China Workshop on Machine Translation, CWMT 2017, held in Dalian, China, in September 2017. The 10 papers presented in this volume were carefully reviewed and selected from 26 submissions and focus on all aspects of machine translation, including preprocessing, neural machine translation models, hybrid model, evaluation method, and post-editing.

This book fills a gap in the literature by setting food security in the context of evolving global food governance. Today's food system generates hunger alongside of food waste, burgeoning health problems, massive greenhouse gas emissions. Applying

food system analysis to review how the international community has addressed food issues since World War II, this book proceeds to explain how actors link up in corporate global food chains and in the local food systems that feed most of the world's population. It unpacks relevant paradigms – from productivism to food sovereignty – and highlights the significance of adopting a rights-based approach to solving food problems. The author describes how communities around the world are protecting their access to resources and building better ways of producing and accessing food, and discusses the reformed Committee on World Food Security, a uniquely inclusive global policy forum, and how it could be supportive of efforts from the base. The book concludes by identifying terrains on which work is needed to adapt the practice of the democratic public sphere and accountable governance to a global dimension and extend its authority to the world of markets and corporations. This book will be of interest to students of food security, global governance, development studies and critical security studies in general.

This two volume set of LNAI 11108 and LNAI 11109 constitutes the refereed proceedings of the 7th CCF Conference on Natural Language Processing and Chinese Computing, NLPCC 2018, held in Hohhot, China, in August 2018. The 55 full papers and 31 short papers presented were carefully reviewed and selected from 308 submissions. The papers of the first volume are organized in the following topics: conversational Bot/QA/IR; knowledge graph/IE; machine learning for NLP; machine translation; and NLP applications. The papers of the second volume are organized as follows: NLP for social network; NLP fundamentals; text mining; and short papers.

Sustainability Made Simple is an introduction to sustainability and sustainable living that explores the relationship between everyday life and the intricate global environmental issues of today, including air and water pollution, deforestation, and climate change. Rosaly Byrd and Laurèn DeMates offer an optimistic yet realistic perspective on our impact on the environment, giving much needed guidance to those who are interested in finding new and relatively easy ways to incorporate sustainability into daily life. An excellent resource for those who are interested in learning what sustainability is about and picking up habits to be more sustainable, Sustainability Made Simple shows that adopting a sustainable lifestyle doesn't require "going off the grid" or making drastic life changes that take time and cost money. Instead, Byrd and DeMates focus on the advantages and transformative changes associated with sustainability, demonstrating that although society is facing unprecedented environmental challenges, working towards sustainability is an opportunity to do things differently and do things better, enhancing aspects of life, such as health, work and community.

This 15-hour free course looked at the ways in which different types of organisation are using innovation to improve their environmental management.

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Myanmar is a country vastly rich in gold, silver, base metals, tin–tungsten, gems and hydrocarbons and is one of the last exploration frontiers remaining in the world. Tectonically Myanmar lies at the eastern end of the Himalayan Mountain Chain and over the last 50 Ma has been profoundly affected by the collision between India and Eurasia, which is still ongoing, with frequent destructive earthquakes. Recent advances have been made in understanding the results of the collision, through the study of geochronology, seismicity, stratigraphy and structure. The development of a systematic mapping programme has been restricted by problems of access, due to limited infrastructure and armed insurgencies, meaning that large areas of the country have not been explored adequately. Recent political changes and reforms, with reconciliations with various ethnic groups, however, will permit access to large areas in Kayin, Kayah, Shan and Kachin States, enabling further research and exploration in new crustal blocks and terranes. In this Memoir a group of Myanmar and international geologists have combined to include all that is currently known about the geology of Myanmar, its mineral and energy resources and its tectonic development.

Electric power systems around the world are changing in terms of structure, operation, management and ownership due to technical, financial, and ideological reasons. Power systems keep on expanding in terms of geographical areas, asset additions, and the penetration of new technologies in generation, transmission, and distribution. The conventional methods for solving the power system design, planning, operation, and control problems have been extensively used for different applications, but these methods suffer from several difficulties, thus providing suboptimal solutions. Computationally intelligent methods can offer better solutions for several conditions and are being widely applied in electrical engineering applications. This Special Issue represents a thorough treatment of computational intelligence from an electrical power system engineer's perspective. Thorough, well-organised, and up-to-date, it examines in detail some of the important aspects of this very exciting and rapidly emerging technology, including machine learning, particle swarm optimization, genetic algorithms, and deep learning systems. Written in a concise and flowing manner by experts in the area of electrical power systems who have experience in the application of computational intelligence for solving many complex and difficult power system problems, this Special Issue is ideal for professional engineers and postgraduate students entering this exciting field.

A visual history of the electronic age captures the collision of technology and art—and our collective visions of the future. A hidden history of the twentieth century's brilliant innovations—as seen through art and images of electronics that fed the dreams of millions. A rich historical account of electronic technology in the twentieth century, *Inside the Machine* journeys from the very origins of electronics, vacuum tubes, through the invention of cathode-ray tubes and transistors to the bold frontier of digital computing in the 1960s. But, as cultural historian Megan Prelinger explores here, the history of electronics in the twentieth century is not only a history of scientific discoveries carried out in laboratories across America. It is also a story shaped by a generation of

artists, designers, and creative thinkers who gave imaginative form to the most elusive matter of all: electrons and their revolutionary powers. As inventors learned to channel the flow of electrons, starting revolutions in automation, bionics, and cybernetics, generations of commercial artists moved through the traditions of Futurism, Bauhaus, modernism, and conceptual art, finding ways to link art and technology as never before. A visual tour of this dynamic era, *Inside the Machine* traces advances and practical revolutions in automation, bionics, computer language, and even cybernetics. Nestled alongside are surprising glimpses into the inner workings of corporations that shaped the modern world: AT&T, General Electric, Lockheed Martin. While electronics may have indelibly changed our age, *Inside the Machine* reveals a little-known explosion of creativity in the history of electronics and the minds behind it.

Europe's engagement from the late sixteenth century onwards in scientific Earth science inquiry has generated numerous and varied collections of minerals, rocks, and fossils, together with their associated archives, artworks and publications, forming a rich cultural geoh heritage held in major private and especially royal and aristocratic collections, museums, universities, archives and libraries. The mines, quarries, geological structures, landforms, minerals, rocks and fossils - or geodiversity - that underpin these collections populate past and present-day Earth science literature. However, for too long their scientific, historic and cultural significance was not universally recognised and generally they were not accorded adequate resources and protection - or geoconservation. Hence, geotourism was developed in the 1990s to raise public awareness of Europe's geoh heritage and geodiversity and to promote its geoconservation; the volume's theoretical essays and case studies examine these four core goelements and provide a timely introduction for anyone interested in natural history museums, countryside management, and landscape-based tourism. Dr Thomas A. Hose is an Honorary Research Associate in the School of Earth Sciences, University of Bristol. He has pioneered the recognition of and research into geotourism, and is the author of the world's first doctoral thesis on the subject. Contributors: Kevin Crawford, Peter Davis, John E. Gordon. Thomas A. Hose, Jonathan G. Larwood, Slobodan B. Markovic, Martin Munt, Emmanuel Reynard, Nemanja Tomic, Djordjije A. Vasiljevic, Margaret Wood, Volker Wreded provide a timely introduction for anyone interested in natural history museums, countryside management, and landscape-based tourism. Dr Thomas A. Hose is an Honorary Research Associate in the School of Earth Sciences, University of Bristol. He has pioneered the recognition of and research into geotourism, and is the author of the world's first doctoral thesis on the subject. Contributors: Kevin Crawford, Peter Davis, John E. Gordon. Thomas A. Hose, Jonathan G. Larwood, Slobodan B. Markovic, Martin Munt, Emmanuel Reynard, Nemanja Tomic, Djordjije A. Vasiljevic, Margaret Wood, Volker Wreded provide a timely introduction for anyone interested in natural history museums, countryside management, and landscape-based tourism. Dr Thomas A. Hose is an Honorary Research Associate in the School of Earth Sciences, University of Bristol. He has pioneered the recognition of and research into geotourism, and is the author of the world's first doctoral thesis on the subject. Contributors: Kevin Crawford, Peter Davis, John E. Gordon. Thomas A. Hose, Jonathan G. Larwood, Slobodan B. Markovic, Martin Munt, Emmanuel Reynard, Nemanja Tomic, Djordjije A. Vasiljevic, Margaret Wood, Volker Wreded provide a timely introduction for anyone interested in

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Imaging and analysis are widely involved in various research fields, including biomedical applications, medical imaging and diagnosis, computer vision, autonomous driving, and robot controls. Imaging and analysis are now facing big changes regarding intelligence, due to the breakthroughs of artificial intelligence techniques, including deep learning. Many difficulties in image generation, reconstruction, de-noising skills, artifact removal, segmentation, detection, and control tasks are being overcome with the help of advanced artificial intelligence approaches. This Special Issue focuses on the latest developments of learning-based intelligent imaging techniques and subsequent analyses, which include photographic imaging, medical imaging, detection, segmentation, medical diagnosis, computer vision, and vision-based robot control. These latest technological developments will be shared through this Special Issue for the various researchers who are involved with imaging itself, or are using image data and analysis for their own specific purposes. Optofluidic devices are of high scientific and industrial interest in chemistry, biology, material science, pharmacy, and medicine. In recent years, they have experienced strong development because of impressive achievements in the synergistic combination of photonics and micro/nanofluidics. Sensing and/or lasing platforms showing unprecedented sensitivities in extremely small analyte volumes, and allowing real-time analysis within a lab-on-a-chip approach, have been developed. They are based on the interaction of fluids with evanescent waves induced at the surface of metallic or photonic structures, on the implementation of microcavities to induce optical resonances in the fluid medium, or on other interactions of the microfluidic systems with light. In this context, a large variety of optofluidic devices has emerged, covering topics such as cell manipulation, microfabrication, water purification, energy production, catalytic reactions, microparticle sorting, micro-imaging, or bio-sensing. Moreover, the integration of these optofluidic devices in larger electro-optic platforms represents a highly valuable improvement towards advanced applications, such as those based on surface plasmon resonances that are already on the market. In this Special Issue, we invited the scientific community working in this rapidly evolving field to publish recent research and/or review papers on these optofluidic devices and their applications.

Project management methodologies, practices, and guidelines are the only explicit information that project managers

have and, when properly maintained, should reflect the most current knowledge and guidance to achieve repeatable successful project outcomes. Despite more than 50 years of research in the field of project management, project success

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In this century the human being must face the challenges of producing enough to feed a growing population in a sustainable and environmentally friendly way. The yields are with increasing frequency affected by abiotic stresses such as salinity, drought, and high temperature or by new diseases and plagues. The Research Topic on Induced Resistance for Plant Defense focuses on the understanding the mechanisms underlying plant resistance or tolerance since these will help us to develop fruitful new agricultural strategies for a sustainable crop protection. This topic and its potential applications provide a new sustainable approach to crop protection. This technology currently can offer promising molecules capable to provide new long lasting treatments for crop protection against biotic or abiotic stresses. The aim of this Research Topic is to review and discuss current knowledge of the mechanisms regulating plant induced resistance and how from our better understanding of these mechanisms we can find molecules capable of inducing this defence response in the plant, thereby contributing to sustainable agriculture we need for the next challenges of the XXI century.

Lexical Semantics for Terminology: An introduction explores the interconnections between lexical semantics and terminology. More specifically, it shows how principles borrowed from lexico-semantic frameworks and methodologies derived from them can help understand terms and describe them in resources. It also explains how lexical analysis complements perspectives primarily focused on knowledge. Topics such as term identification, meaning, polysemy, relations between terms, and equivalence are discussed thoroughly and illustrated with examples taken from various fields of knowledge. This book is an indispensable companion for those who are interested in words and work with specialized terms, e.g. terminologists, translators, lexicographers, corpus linguists. A background in terminology or lexical semantics is not required since all notions are defined and explained. This book complements other textbooks on terminology that do not focus on lexical semantics per se.

This book provides the most comprehensive survey of mining activity and the principal challenges confronting the resources industry in the Asia-Pacific region today, and presents new theoretical and practical insights into the political and business risks faced by mining companies operating in the region from both academic and corporate perspectives. It focuses on the exploration, production and trade of the principal commodities coal, iron ore, uranium, oil and gas, and gold, as well as the emerging commodities unconventional gas and rare earth minerals, provides the reader with a valuable understanding of resource activity in the region. In addition, it also integrates and draws attention to eight key issue areas which have the potential to pose significant risks, challenges and opportunities for the industry going forward,

which include sustainable development, resource governance and economic contributions, declining ore grades and territorial expansion, community aspects of mining, mining and indigenous peoples, climate change, and impact assessment. The contributors to this volume are experts in their respective fields, and the diversity of voices makes this book a must read for scholars, industry participants, investors and policy-makers with an interest in mining in the Asia-Pacific.?

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This important collection of more than twenty original essays by prominent Kant scholars covers the multiple aspects of Kant's teaching in relation to his published works. With the Academy edition's continuing publication of Kant's lectures, the role of his lecturing activity has been drawing more and more deserved attention. Several of Kant's lectures on metaphysics, logic, ethics, anthropology, theology, and pedagogy have been translated into English, and important studies have appeared in many languages. But why study the lectures? When they are read in light of Kant's published writings, the lectures offer a new perspective of Kant's philosophical development, clarify points in the published texts, consider topics there unexamined, and depict the intellectual background in richer detail. And the lectures are often more accessible to readers than the published works. This book discusses all areas of Kant's lecturing activity. Some essays even analyze in detail the content of Kant's courses and the role of textbooks written by key authors such as Baumgarten, helping us understand Kant's thought in its intellectual and historical contexts. Contributors: Huaping Lu-Adler; Henny Blomme ; Robert Clewis; Alix Cohen; Corey Dyck; Faustino Fabbianelli; Norbert Fischer; Courtney Fugate; Paul Guyer; Robert Loudon; Antonio Moretto; Steve Naragon; Christian Onof; Stephen Palmquist; Riccardo Pozzo; Frederick Rauscher; Dennis Schulting; Oliver Sensen; Susan Shell; Werner Stark; John Zammito; Günter Zöller

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This volume constitutes the proceedings of the 16th International Conference on Web Services, ICWS 2018, held as Part of SCF 2018 in Seattle, WA, USA in June 2018. The 31 full papers together with 1 short paper published in this volume were carefully reviewed and selected from 116 submissions. They are organized in topical sections such as Web Services, RESTful web services, Web Services Description Language, Universal Description Discovery and Integration, Service discovery and interfaces, Domain-specific security and privacy architectures, Location bases services, Security Services and Markup languages.

This book explores the life and work of Mary Elizabeth Barber, a British-born settler scientist who lived in the Cape during the nineteenth century. It provides a lens into a range of subjects within the history of knowledge and science, gender and social history, postcolonial, critical heritage and archival studies. The book examines the international importance of the life and works of a marginalized scientist, the instrumentalisation of science to settlers' political concerns and reveals the pivotal but largely silenced contribution of indigenous African experts. Including a variety of material, visual and textual sources, this study explores how these artefacts are archived and displayed in museums and critically analyses their content and silences. The book traces Barber's legacy across three continents in collections and archives, offering insights into the politics of memory and history-making. At the same time, it forges a nuanced argument, incorporating study of the North and South, the history of science and social history, and the past and the present.

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This book and its companion volumes, LNCS volumes 9140, 9141 and 9142, constitute the proceedings of the 6th International Conference on Swarm Intelligence, ICSI 2015 held in conjunction with the Second BRICS Congress on Computational Intelligence, CCI 2015, held in Beijing, China in June 2015. The 161 revised full papers presented were carefully reviewed and selected from 294 submissions. The papers are organized in 28 cohesive sections covering all major topics of swarm intelligence and computational intelligence research and development, such as novel swarm-based optimization algorithms and applications; particle swarm optimization; ant colony optimization; artificial bee colony algorithms; evolutionary and genetic algorithms; differential evolution; brain storm optimization algorithm; biogeography based optimization; cuckoo search; hybrid methods; multi-objective optimization; multi-agent systems and swarm robotics; Neural networks and fuzzy methods; data mining approaches; information security; automation control; combinatorial optimization algorithms; scheduling and path planning; machine learning; blind sources separation; swarm interaction behavior; parameters and system optimization; neural networks; evolutionary and genetic algorithms; fuzzy systems; forecasting algorithms; classification; tracking analysis; simulation; image and texture analysis; dimension reduction; system optimization; segmentation and detection system; machine translation; virtual management and disaster analysis.

The two-volume set LNICST 209-210 constitutes the post-conference proceedings of the 11th EAI International Conference on Communications and Networking, ChinaCom 2016, held in Chongqing, China, in September 2016. The total of 107 contributions presented in these volumes are carefully reviewed and selected from 181 submissions. The book is organized in topical sections on MAC schemes, traffic

algorithms and routing algorithms, security, coding schemes, relay systems, optical systems and networks, signal detection and estimation, energy harvesting systems, resource allocation schemes, network architecture and SDM, heterogeneous networks, IoT (Internet of Things), hardware design and implementation, mobility management, SDN and clouds, navigation, tracking and localization, future mobile networks. The United States has been experiencing an energy transition for over four decades, and now - thanks to the Clean Power Plan of the Obama Administration and the Paris climate agreement - a clean energy future is moving closer to reality. In Clean Power Politics, Joseph Tomain describes how clean energy policies have been developed and, more importantly, what's necessary for a successful transition to a clean energy future, including technological innovation, new business models, and regulatory reforms. The energy system of the future will minimize the environmental costs of traditional energy production and consumption, and emphasize expanded use of natural resources and energy efficiency. Because many new energy technologies can be produced and consumed at smaller scales, they will shift decision-making power away from traditional utilities and empower consumers to make energy choices about consumption and price. In this way, a clean energy future embodies a democratization of energy.

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This two volume set (CCIS 1257 and 1258) constitutes the refereed proceedings of the 6th International Conference of Pioneering Computer Scientists, Engineers and Educators, ICPCSEE 2020 held in Taiyuan, China, in September 2020. The 98 papers presented in these two volumes were carefully reviewed and selected from 392 submissions. The papers are organized in topical sections: database, machine learning, network, graphic images, system, natural language processing, security, algorithm, application, and education. The chapter "Highly Parallel SPARQL Engine for RDF" is available open access under a Creative Commons Attribution 4.0 International License via link.springer.com.

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important to be prepared to respond effectively to the questions that employers typically ask at a job interview Petrogav International has prepared this eBooks that will help you to get a job in oil and gas industry. Since these questions are so common, hiring managers will expect you to be able to answer them smoothly and without hesitation. This eBook contains 281 questions and answers for job interview and as a BONUS web addresses to 289 video movies for a better understanding of the technological process. This course covers aspects like HSE, Process, Mechanical, Electrical and Instrumentation & Control that will enable you to apply for any position in the Oil and Gas Industry.

Control Engineering and Information Systems contains the papers presented at the 2014 International Conference on Control Engineering and Information Systems (ICCEIS 2014, Yueyang, Hunan, China, 20-22 June 2014). All major aspects of the theory and applications of control engineering and information systems are addressed, including:

Intelligent s

The two-volume set, CCIS 681 and CCIS 682, constitutes the proceedings of the 11th International Conference on Bio-Inspired Computing: Theories and Applications, BIC-TA 2016, held in Xi'an, China, in October 2016. The 115 revised full papers presented were carefully reviewed and selected from 343 submissions. The papers of Part I are organized in topical sections on DNA Computing; Membrane Computing; Neural Computing; Machine Learning. The papers of Part II are organized in topical sections on Evolutionary Computing; Multi-objective Optimization; Pattern Recognition; Others. Power quality (PQ) is receiving more and more attention from consumers, distribution system operators, transmission system operators, and other entities related to electrical power systems. As PQ problems have direct implications for business productivity, causing high economic losses, the research and development monitoring technologies and power electronics solutions that ensure the PQ of the power systems are matters of utmost importance. This book is a collection of high quality papers published in the "Power Electronics and Power Quality" Special Issue of the journal Energies. It reflects on the latest investigations and the new trends in this field.

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