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Emerging Research in Intelligent Systems Rewriting Histories of the Use of Force Geoheritage and Geotourism Resources Research Anthology on Applying Social Networking Strategies to Classrooms and Libraries International Handbook of Universities Report of the Conference on Aquaculture in the Third Millennium Medicinal Plants of Ecuador Agricultural bibliography TOP Bulletin Digital Parties Conservation and Heat Transfer Sustainable Development and Planning XI Pre-Columbian Contact with the Americas Across the Oceans Advances in Computers Agricultural, Forestry and Bioindustry Biotechnology and Biodiscovery Congress on Research, Development, and Innovation in Renewable Energies Historia general de América Latina: Las sociedades originarias Técnicas Aplicadas a la Caracterización y Aprovechamiento de Recursos Geológico-Mineros. Vol III: Interacción con la Sociedad (continuación) Geometric Potential Analysis The Sustainable City XV Bibliography of Agriculture Policy Coherence for Sustainable Development 2019 Empowering People and Ensuring Inclusiveness and Equality Sustainable Development and Planning XII The Business Year: Ecuador 2020 The Global Competitiveness Report 2002-2003 Report on the Latin American Information Infrastructure for Development, with Special Reference to the Caribbean Political Code The Global Enabling Trade Report 2009 Environmental Engineering Education and Training Agricultura ancestral camellones y albarradas The Travel & Tourism Report 2008 The Global Enabling Trade Report 2008 Mathematics Teacher Education in the Andean Region and Paraguay High-Level Language Computer Architecture The Shrimp Book Recopilación y sistematización de información sobre temas ambientales Report of the Conference on Aquaculture in the Third Millennium The Travel & Tourism Competitiveness 2007

This book constitutes the proceedings of the XVI Multidisciplinary International Congress on Science and Technology (CIT 2021), held in Quito, Ecuador, on June 14-18, 2021, proudly organized by Universidad de las Fuerzas Armadas ESPE in collaboration with GDEON. CIT is an international event with a multidisciplinary approach that promotes the dissemination of advances in science and technology research through the presentation of keynote conferences. In CIT, theoretical, technical, or application works that are research products are presented to discuss and debate ideas, experiences, and challenges. Presenting high-quality, peer-reviewed papers, the book discusses the following topics: Artificial Intelligence Computational Modeling Data Communications Defense Engineering Innovation, Technology, and Society Managing Technology & Sustained Innovation, and Business Development Security and Cryptography Software Engineering This book analyzes how mainstream and new parties are building their digital platforms and transitioning from traditional (offline) organizations into the digital world. The authors present an innovative empirical exploration of the democratic consequences and technical challenges of the digitalization of party organizations from a comparative perspective. They provide an original account of how party digital platforms are regulated and used, and a crucial discussion of the main technological and democratic issues that political parties face in their digital transition. Further, the authors assess the consequences of these digitalization processes for political participation and party membership, as well as the impact on party organizational models and electoral campaign

potential. The book looks into one of the less-studied aspects of digital democracy, also presenting empirical evidence and case studies. It presents different parties and their adoption of digital participation platforms, from the Pirate Parties in Northern Europe to Podemos in Spain, La France Insoumise in France, the Five Stars Movement in Italy, or the German Greens. Therefore, the book is a must-read for scholars of political science, policy-makers, and practitioners, interested in a better understanding of the transition of political parties into the digital world. This Open Access book is an excellent synthesis of the initial and continuing preparation for Mathematics Teaching in Bolivia, Ecuador, Paraguay and Peru, from which comparative analyses can be made that show similarities and differences, and highlight various perspectives. In February 2016, the 5th Capacity and Networking Project (CANP) workshop of the International Commission on Mathematical Instruction (ICMI) was held in Lima, Peru. The coordination of this two-week workshop was undertaken by an international scientific committee (IPC), with equal participation by mathematicians and mathematics educators from the region and from the international ICMI and IMU community. The goal of CANP5 was to improve the quality of mathematics education in the region, which led to the main theme of the scientific program "Initial and Continued Teacher Education". Country Reports on the main theme of teacher education systems for each country in this region were presented and discussed to detect common issues that might be improved through a collaborative network. One of the most important results of this event was the creation of a Mathematics Education Network, namely the Comunidad de Educación Matemática de América del Sur - CEMAS. This book brings to the international Educational Community an important collection of experiences and ideas in the Mathematics Education of four Latin-American countries in the developing Andean region and Paraguay. The dissemination of these results can promote the search for international collaborative actions in a wider scale. The 2022 Congress on Research, Development, and Innovation in Renewable Energies (CIDiER 2022) promotes international collaboration on ideas and dialogue around climate change solutions through research and development that leads to clean energy innovation via renewable energies. The selected papers cover both theoretical and applied research that will strengthen the implementation of renewable energy projects between universities, research centers, and private companies in Latin America. The annual Global Competitiveness Report is widely recognized as the world's leading cross-country comparison of data and information relating to economic competitiveness and growth. Over the years, the Report has become the most authoritative and comprehensive assessment of the comparative strengths and weaknesses of national economies throughout the world. The World Economic Forum continues its tradition of excellence with The Global Competitiveness Report 2022-2023, which provides the most updated and recent data, rankings and analysis of 75 industrialized and emerging economies and the latest thinking and research from prominent academics and international institution leaders on global competitiveness. This year's report begins by presenting the widely quoted global competitive index that really comprises two indices-one for growth and one for productivity. It then provides global and regional analyses, with examinations of the competitive landscapes of Africa., Asia, Central and Eastern Europe and Latin America. Essays on a wide range of special topics follow, including national innovative capacity, governance, foreign direct investment, and trade performance. The Report concludes with detailed country profiles, data presentation and an exhaustive survey of senior business executives that touches on business conditions, infrastructure, the character of the regulatory regime, the quality of government, organized labor, corruption and tax evasion. The Global

Competitiveness Report 2002-2003 provides essential information for business leaders, government decision-makers and for academics to examine the critical challenges facing a multitude of the world's economies. This monograph contains papers that were delivered at the special session on Geometric Potential Analysis, that was part of the Mathematical Congress of the Americas 2021, virtually held in Buenos Aires. The papers, that were contributed by renowned specialists worldwide, cover important aspects of current research in geometrical potential analysis and its applications to partial differential equations and mathematical physics. Conservation & Heat Transfer Ponencias presentadas en el Coloquio Internacional Agricultura Prehispánica, donde se estudia los sistemas agrícolas tradicionales en los Andes, los cuales desarrollaron estrategias tecnológicas adaptativas para usufructuar mejor los recursos naturales. A comprehensive source of information on all aspects of shrimp production, this reference covers not only the global status of shrimp farming, but also examines shrimp anatomy and physiology. From nutrition to health management and harvesting issues to biosecurity, this well-researched volume evaluates existing knowledge, proposes new concepts, and questions common practices. With an extensive review on worldwide production systems, this compilation will be highly relevant to research scientists, students, and shrimp producers. It is commonly taught that the prohibition of the use of force is an achievement of the twentieth century and that beforehand States were free to resort to the arms as they pleased. International law, the story goes, was 'indifferent' to the use of force. 'Reality' as it stems from historical sources, however, appears much more complex. Using tools of history, sociology, anthropology and social psychology, this monograph offers new insights into the history of the prohibition of the use of force in international law. Conducting in-depth analysis of nineteenth century doctrine and State practice, it paves the way for an alternative narrative on the prohibition of force, and seeks to understand the origins of international law's traditional account. In so doing, it also provides a more general reflection on how the discipline writes, rewrites and chooses to remember its own history. The 2019 edition of Policy Coherence for Sustainable Development looks at countries' efforts to meet this challenge and identifies opportunities for accelerating progress. The third in a series, it shows how integrated and coherent policies, supported by strong institutional and governance mechanisms, can contribute to empowering people and ensuring inclusiveness and equality. The Conference on Aquaculture in the Third Millennium was held for the purpose of developing a strategy for aquaculture development in the next 20 years. It was a sequel to the Kyoto Conference on Aquaculture, which was organized by FAO in May-June 1976. This report of the Bangkok Conference on Aquaculture, the second publication arising from the Millennium Conference, includes the detailed recommendations of the 14 thematic conference sessions. The third publication will be the technical proceedings of the Bangkok Conference (available from NACA - see <http://www.enaca.org/>). As Ecuador and the world at large grapple with the emerging challenge of the COVID-19 pandemic, it is important not to forget the fundamentals of the Ecuadorian economy and the success stories of 2019 and the start of 2020. We believe contained within these pages is an accurate, balanced account of the state of the Ecuadorian economy as of publication, told through the words of the dozens of top public- and private-sector figures. The Business Year's country-specific publications, sometimes featuring over 150 face-to-face interviews, are among the most comprehensive annual economic publications available internationally. This 212-page publication covers green economy, finance, hydrocarbons, mining, agriculture, construction, industry, transport, education, health, ICT, and tourism. This unique volume draws on the rich culture, folklore and environment of medicinal

plants in Ecuador, which includes the important rain forest region. This country has rich plant resources and a large diversity of plants. In particular, the Biotechnological Research Center of Ecuador, CIBE, is an important center of plant research and biodiversity. For more than 16 years, CIBE has been performing scientific research on plants and microorganisms with extensive focus on biodiversity, biotechnology, bioproducts, hytopathology, molecular biology, tissue culture and technology transfer. The Center has state-of-the-art infrastructure and technology and a great strength in human resources. In its 11th edition the International Conference on Sustainable Development and Planning continues to attract academics, policy makers, practitioners and other stakeholders from across the globe who discuss the latest advances in the field. This volume presents selected papers that contribute to further advances in the field. Energy saving and eco-friendly building approaches have become an important part of modern development, which places special emphasis on resource optimisation. Planning has a key role to play in ensuring that these solutions as well as new materials and processes are incorporated in the most efficient manner. Problems related to development and planning, which affect rural and urban areas, are present in all regions of the world. Accelerated urbanisation has resulted in deterioration of the environment and loss of quality of life. Urban development can also aggravate problems faced by rural areas such as forests, mountain regions and coastal areas, amongst many others. Taking into consideration the interaction between different regions and developing new methodologies for monitoring, planning and implementation of novel strategies can offer solutions for mitigating environmental pollution and non-sustainable use of available resources. Planners, environmentalists, architects, engineers, policymakers and economists have to work together to ensure that planning and development can meet our present needs without compromising the ability of future generations. This collaboration was the aim of the 12th International Conference on Sustainable Development and Planning, from which the papers in this volume originate. Problems related to development and planning, which affect rural and urban areas, are present in all regions of the world. Accelerated urbanisation has resulted in the deterioration of the environment and loss of quality of life. Urban development can also aggravate problems faced by rural areas such as forests, mountain regions and coastal areas, amongst many others. Taking into consideration the interaction between different regions and developing new methodologies for monitoring, planning and implementation of novel strategies can offer solutions mitigating environmental pollution and non-sustainable use of available resources. Energy-saving and eco-friendly building approaches have become an important part of modern development, which places special emphasis on resource optimisation. Planning has a key role to play in ensuring that these solutions, as well as new materials and processes, are incorporated in the most efficient manner. The included papers feature new academic findings and their applications in planning and development strategies, assessment tools, and decision-making processes. High-Level Language Computer Architecture offers a tutorial on high-level language computer architecture, including von Neumann architecture and syntax-oriented architecture as well as direct and indirect execution architecture. Design concepts of Japanese-language data processing systems are discussed, along with the architecture of stack machines and the SYMBOL computer system. The conceptual design of a direct high-level language processor is also described. Comprised of seven chapters, this book first presents a classification of high-level language computer architecture according to the proximity of the machine language and the programming language. This classification gives four types: von Neumann architecture, syntax-oriented architecture, indirect execution

architecture, and direct execution architecture. In order to illustrate the possible evolution of computer architecture, design concepts of Japanese-language data processing systems are chosen as an example. Subsequent chapters focus on the syntax-oriented architecture; the historical SYMBOL computer system which makes use of an indirect execution architecture; and design concepts of direct-execution architecture for the ALGOL 60 language. The final chapter describes the architecture for the processor for an APL subset. This monograph will be of interest to specialists in electronics and computer science. The Conference on Aquaculture in the Third Millennium was held for the purpose of developing a strategy for aquaculture development in the next 20 years. It was a sequel to the Kyoto Conference on Aquaculture, which was organized by FAO in May-June 1976. This report of the Bangkok Conference on Aquaculture, the second publication arising from the Millennium Conference, includes the detailed recommendations of the 14 thematic conference sessions. The third publication will be the technical proceedings of the Bangkok Conference (available from NACA - see <http://www.enaca.org/>). Consisting of presented papers from the 15th International Conference on Urban Regeneration and Sustainability, the included works address various aspects of the urban environment and provide solutions leading towards sustainability. Urban areas result in a series of environmental challenges varying from the consumption of natural resources and the subsequent generation of waste and pollution, contributing to the development of social and economic imbalances. As cities continue to grow all over the world, these problems tend to become more acute and require the development of new solutions. The challenge of planning sustainable contemporary cities lies in considering the dynamics of urban systems, exchange of energy and matter, and the function and maintenance of ordered structures directly or indirectly supplied and maintained by natural systems. The task of researchers is to improve the capacity to manage human activities, pursuing welfare and prosperity in the urban environment. Any investigation or planning on a city ought to consider the relationships between the parts and their connections with the living world. The dynamics of its networks (flows of energy matter, people, goods, information and other resources) are fundamental for an understanding of the evolving nature of today ' s cities. Large cities represent a fertile ground for architects, engineers, city planners, social and political scientists, and other professionals able to conceive new ideas and time them according to technological advances and human requirements. Coastal areas and coastal cities are an important area covered in this volume as they have some specific features. Their strategic location facilitates transportation and the development of related activities, but this requires the existence of large ports, with the corresponding increase in maritime and road traffic and all its inherent negative effects. This requires the development of well-planned and managed urban environments, not only for reasons of efficiency and economics but also to avoid inflicting environmental degradation that causes the deterioration of natural resources, quality of life and human health. These research papers put a focus on sustainability across the multidisciplinary components of urban planning, the challenges presented by the increasing size of cities, the number of resources required and the complexity of modern society. Advances in Computers This Special Issue outlines the role of geoheritage and geotourism as potential touristic resources of a region. The term "geoheritage" refers to a particular type of natural resources represented by sites of special geological significance, rarity or beauty that are representative of a region and of its geological history, events, and processes. These sites are also known as "geosites" and, as well as archaeological, architectonic, and historical sites, can be considered as part of the cultural estate of a country. "Geotourism" is an emerging type of sustainable tourism, which

concentrates on geosites, focusing on visitor knowledge, environmental education, and amusement. Geotourism may be very useful for geological sciences divulgation and may provide additional opportunities for the development of rural areas, generally not included among the main touristic attractions. The collected papers focused on these main topics with different methods and approaches and can be grouped as follows: i) papers dealing with geosite promotion and valorization in protected areas; ii) papers dealing with geosite promotion and valorization in non-protected areas; iii) papers dealing with geosite promotion by exhibition, remote sensing analysis, and apps; iv) papers investigating geotourism and geoheritage from tourists' perspectives. Food security, crop protection, biodiversity, and human and environmental health are among the main needs and concerns of society. Modern biotechnology and life sciences represent a constantly evolving area that is key for the rational use of natural resources - resources that in turn are indispensable for societal development. This book features the outcomes of the IV International Biotechnology and Biodiversity Congress, held in Guayaquil, Ecuador, 2018. It includes extensive reviews of the trends in agricultural and forestry biotechnology, molecules and materials biodiscovery, ethnomedicine, environmental impact and bioindustry research, describing many of these topics from the Latin America perspective and showing how the biodiversity and ancient knowledge of these countries are vital for worldwide sustainable development. The introduction of social media has given many communities the opportunity to connect and communicate with each other at a higher level than ever before. Many organizations, from businesses to governments, have taken advantage of this important tool to conduct research and enhance efficiency. Libraries and educational institutions have also made use of social media to enhance educational marketing, engage with learning communities, adapt educational tools, and more. The Research Anthology on Applying Social Networking Strategies to Classrooms and Libraries describes the applications, tools, and opportunities provided by the intersection of education and social media. It also considers the ways in which social media encourages learner engagement and community participation. Covering topics such as data collection, online professional learning networks, and reinforcement learning, this major reference work is a dynamic resource for pre-service teachers, teacher educators, faculty and administrators of both K-12 and higher education, librarians, archivists, government officials, researchers, and academicians.

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