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Progress in Clean Energy, Volume 2 Ibrahim Dincer 2015-10-28 This expansive reference provides readers with the broadest available single-volume coverage of leading-edge advances in the development and optimization of clean energy technologies. From innovative biofuel feed stocks and processing techniques, to novel solar materials with record-breaking efficiencies, remote-sensing for offshore wind turbines to breakthroughs in high performance PEM fuel cell electrode manufacturing, phase change materials in green buildings to bio sorption of pharmaceutical pollutants, the myriad exciting developments in green technology described in this book will provide inspiration and information to researchers, engineers and students working in sustainability around the world.

Time, Progress, Growth and Technology Filipe Duarte Santos 2020-09-18 This book addresses the current challenges of sustainable development, including its social, economic and environmental components. The author argues that we need to develop a new concept of time based on inter-generational solidarity, which focuses both on the long- and the short term. The evolution of man's notions of time are analyzed from prehistory to modern times, showing how these concepts shape our worldviews, our ecological paradigms and our equilibrium with our planet. Practical approaches to dealing with the major medium- and long term sustainability challenges of the 21st century are presented and discussed. This is a thought provoking and timely book that addresses the main global socioeconomic and environmental challenges facing the current and future generations, using science-based analysis and perspectives. It presents an historical narrative of the advent of progress, economic growth and technology, and discusses the structural changes needed to co-create sustainable pathways. It provides hope for our future on Earth, mankind's common home. António Guterres, Secretary-General of the United Nations This is an amazing, almost mind-boggling book. The author takes a look at the true whole, i.e., the development of the human enterprise since its very beginning. This enterprise is evidently a possibility under the boundary conditions of cosmological dynamics and natural evolution, but evidently also a highly improbable one. It is all but a miracle that the Earth system in its present form exists and happens to support a technical civilization. Will this civilization last long, will it transform itself into something even more exceptional, or will it perish in disgrace? Santos dares to address these grandest of all questions, equipped with a unique transdisciplinary wisdom drawing on physics, cybernetics, geology, biology, economics, anthropology, history, and philosophy. And he dares to dive into the deepest abysses of thinking, where categorial monsters like time and progress lurk. Thereby, he takes us on fascinating journey, during which we perceive and grasp things we have never seen and understood before. One of the best essays I have ever read. John Schellnhuber, founding director of the Potsdam Institute for Climate Impact Research (PIK) and former chair of the German Advisory Council on Global Change

Progress in the Chemistry of Organic Natural Products 110 A. Douglas Kinghorn 2019-10-16 The book summarizes important aspects of cheminformatics that are relevant for natural product research. It highlights cheminformatics tools that help to match natural products with their respective biological targets or off-targets, and discusses the potential and limitations of this approach.

Progress in Pattern Recognition, Image Analysis, Computer Vision, and Applications César Beltrán-Castañón 2017-02-14 This book constitutes the refereed post-conference proceedings of the 21st Iberoamerican Congress on Pattern Recognition, CIARP 2016, held in Lima, Peru, in November 2016. The 69 papers presented were carefully reviewed and selected from 131 submissions. The papers feature research results in the areas of pattern recognition, biometrics, image processing, computer vision, speech recognition, and remote sensing. They constitute theoretical as well as applied contributions in many fields related to the main topics of the conference.

Progress in Cryptology - AFRICACRYPT 2020 Abderrahmane Nitaj 2020-07-04 This book constitutes the refereed proceedings of the 12th International Conference on the Theory and Application of Cryptographic Techniques in Africa, AFRICACRYPT 2020, held in Cairo, Egypt, in July 2020. The 21 papers presented in this book were carefully reviewed and selected from 49 submissions. The papers are organized in topical sections on zero knowledge, symmetric key cryptography, elliptic curves, post quantum cryptography, lattice based cryptography, side channel attacks, cryptanalysis and new algorithms and schemes. AFRICACRYPT is a major scientific event that seeks to advance and promote the field of cryptology on the African continent. The conference has systematically drawn some excellent contributions to the field. The conference has always been organized in cooperation with the International Association for Cryptologic Research (IACR).

Progress in Artificial Intelligence Paulo Moura Oliveira 2019-09-03 This book constitutes the refereed proceedings of the 19th EPIA Conference on Artificial Intelligence, EPIA 2019, held in Funchal, Madeira, Portugal, in September 2019. The 119 revised full papers and 6 short papers presented were carefully reviewed and selected from a total of 252 submissions. The papers are organized in 18 tracks devoted to the following topics: AIEd - Artificial Intelligence in Education, AI4G - Artificial Intelligence for Games, AIoTA - Artificial Intelligence and IoT in Agriculture, AIL - Artificial Intelligence and Law, AIM - Artificial Intelligence in Medicine, AICPDES - Artificial Intelligence in Cyber-Physical and Distributed Embedded Systems, AIPES - Artificial Intelligence in Power and Energy Systems, AITS - Artificial Intelligence in Transportation Systems, ALEA - Artificial Life and Evolutionary Algorithms, AmIA - Ambient Intelligence and Affective Environments, BAAI - Business Applications of Artificial Intelligence, GAI- General AI, IROBOT - Intelligent Robotics, KDBI - Knowledge Discovery and Business Intelligence, KRR - Knowledge Representation and Reasoning, MASTA - Multi-Agent Systems: Theory and Applications, SSM - Social Simulation and Modelling, TeMA - Text Mining and Applications.

Our Commons Thomas de Groot 2019-06-13 Our Commons: Political Ideas for a New Europe is a collection of essays, case studies and interviews about the commons, featuring reflections on the enclosure of knowledge and the monopolisation of the digital sphere, stories about renewable energy cooperatives and community foodwaste initiatives and urgent pleas to see the city as a commons and to treat health as a common good. With contributions by Kate Raworth, David Bollier, George Monbiot and many others, Our Commons is a political call to arms to all Europeans to embrace the commons and build a new Europe. Sophie Bloemen and Thomas de Groot worked on this book for almost two years, working with academics, policy makers, authors and activists to paint a colourful picture of the commons as the blueprint for a new future, one that is inclusive, ecologically sustainable, equitable, democratic, collaborative, creative and resilient.

Digital Heritage. Progress in Cultural Heritage: Documentation, Preservation, and Protection Marinos Ioannides 2021-04-13 This book constitutes the refereed post-conference proceedings of the 8th International Conference on Digital Heritage, EuroMed 2020, held virtually in November 2020. The 37

revised project papers and 30 revised short papers presented were carefully reviewed and selected from 326 submissions. The papers are on topics such as digital data acquisition technologies in CH/2D and 3D data capture methodologies and data processing; remote sensing for archaeology and cultural heritage management and monitoring; interactive environments and applications; reproduction techniques and rapid prototyping in CH; e-Libraries and e-Archives in cultural heritage; virtual museum applications (e-Museums and e-Exhibitions); visualisation techniques (desktop, virtual and augmented reality); storytelling and authoring tools; tools for education; 2D and 3D GIS in cultural heritage; and on-site and remotely sensed data collection.

Entrepreneurship and Digital Transformation: Managing Disruptive Innovation in a Changing Environment Víctor Jesús García Morales 2022-02-02

Crowdsourcing: Concepts, Methodologies, Tools, and Applications Management Association, Information Resources 2019-05-03 With the growth of information technology, many new communication channels and platforms have emerged. This growth has advanced the work of crowdsourcing, allowing individuals and companies in various industries to coordinate efforts on different levels and in different areas. Providing new and unique sources of knowledge outside organizations enables innovation and shapes competitive advantage. Crowdsourcing: Concepts, Methodologies, Tools, and Applications is a collection of innovative research on the methods and applications of crowdsourcing in business operations and management, science, healthcare, education, and politics. Highlighting a range of topics such as crowd computing, macrotasking, and observational crowdsourcing, this multi-volume book is ideally designed for business executives, professionals, policymakers, academicians, and researchers interested in all aspects of crowdsourcing.

2014 Sequestration United States Government Accountability Office 2017-09-23 In fiscal year 2014, federal agencies implemented the second consecutive year of sequestration reductions to mandatory spending, which are scheduled through fiscal year 2025. GAO was asked to review the implementation of sequestration on mandatory accounts and any related effects. This report examines 1) the designation of mandatory accounts government-wide under the President's sequestration order for fiscal year 2014, 2) how selected agencies implemented sequestration and any effects they reported on programs or services, and 3) how continued sequestration of mandatory spending relates to the achievement of deficit reduction goals. GAO analyzed fiscal year 2014 budget data on sequestration; selected a nongeneralizable sample of 6 accounts from USDA, HHS, Treasury, and DOT based on the amount of sequestrable budget authority, budget function, and account type; reviewed documentation on sequestration; interviewed budget officials; and reviewed legislation.

The Global Findex Database 2017 Asli Demirguc-Kunt 2018-04-19 In 2011 the World Bank—with funding from the Bill and Melinda Gates Foundation—launched the Global Findex database, the world's most comprehensive data set on how adults save, borrow, make payments, and manage risk. Drawing on survey data collected in collaboration with Gallup, Inc., the Global Findex database covers more than 140 economies around the world. The initial survey round was followed by a second one in 2014 and by a third in 2017. Compiled using nationally representative surveys of more than 150,000 adults age 15 and above in over 140 economies, The Global Findex Database 2017: Measuring Financial Inclusion and the Fintech Revolution includes updated indicators on access to and use of formal and informal financial services. It has additional data on the use of financial technology (or fintech), including the use of mobile phones and the Internet to conduct financial transactions. The data reveal opportunities to expand access to financial services among people who do not have an account—the unbanked—as well as to promote greater use of digital financial services among those who do have an account. The Global Findex database has become a mainstay of global efforts to promote financial inclusion. In addition to being widely cited by scholars and development practitioners, Global Findex data are used to track progress toward the World Bank goal of Universal Financial Access by 2020 and the United Nations Sustainable Development Goals. The database, the full text of the report, and the underlying country-level data for all figures—along with the questionnaire, the survey methodology, and other relevant materials—are available at www.worldbank.org/globalfindex.

Progress in Photon Science Kaoru Yamanouchi 2019-01-23 This second volume of "Progress in Photon

Science – Recent Advances" presents the latest achievements made by world-leading researchers in Russia and Japan. Thanks to recent advances in light source technologies; detection techniques for photons, electrons, and charged particles; and imaging technologies, the frontiers of photon science are now being expanding rapidly. Readers will be introduced to the latest research efforts in this rapidly growing research field through topics covering bioimaging and biological photochemistry, atomic and molecular phenomena in laser fields, laser–plasma interaction, advanced spectroscopy, electron scattering in laser fields, photochemistry on novel materials, solid-state spectroscopy, photoexcitation dynamics of nanostructures and clusters, and light propagation.

Progress of the World's Women 2015-2016 United Nations Women 2015-12-14 This UN Women's flagship report shows that, all too often, women's economic and social rights are held back, because they are forced to fit into a 'man's world'. But, it is possible to move beyond the status quo, to picture a world where economies are built with women's rights at their heart. It is being published as the international community comes together to define a transformative post-2015 development agenda, and coincides with the 20th anniversary commemoration of the landmark Fourth World Conference on Women in Beijing, China which set out a comprehensive agenda to advance gender equality. This publication brings together human rights and economic policymaking, and provides the key elements for a far-reaching new policy agenda that can transform economies and make women's rights a reality. Through solid in-depth analysis and data, this evidence-based report provides key recommendations on moving towards an economy that truly works for women, for the benefit of all.

Digital Business Models Annabeth Aagaard 2018-12-04 This innovative edited collection explores digital business models (DBMs) in theory and practice to contribute to knowledge of how companies, organizations and networks can design, implement and apply DBMs. It views DBMs in a range of contexts and forms, which can be integrated in a number of ways, and aims to inspire and enable academics, students and practitioners to seize the opportunities posed by digital business models, technologies and platforms. One of the first and comprehensive contributions to the field of DBMs and digital business model innovations (DBMI), the authors discuss the opportunities, challenges, technologies, implementation and value creation, customer and data protection processes of DBMs in different contexts.

The Emissions Gap Report 2014 United Nations Environment Programme 2014-03-11 The UN Environment Emissions Gap Report assesses the latest scientific studies on current and estimated future greenhouse gas emissions and compares these with the emission levels permissible for the world to progress on a least-cost pathway to achieve the goals of the Paris Agreement. This difference between □where we are likely to be and where we need to be□ is known as the □emissions gap□. The report explores some of the most important options available for countries to bridge the gap.

Progress in Artificial Intelligence Goreti Marreiros 2021-09-07 This book constitutes the refereed proceedings of the 20th EPIA Conference on Artificial Intelligence, EPIA 2021, held virtually in September 2021. The 62 full papers and 6 short papers presented were carefully reviewed and selected from a total of 108 submissions. The papers are organized in the following topical sections: artificial intelligence and IoT in agriculture; artificial intelligence and law; artificial intelligence in medicine; artificial intelligence in power and energy systems; artificial intelligence in transportation systems; artificial life and evolutionary algorithms; ambient intelligence and affective environments; general AI; intelligent robotics; knowledge discovery and business intelligence; multi-agent systems: theory and applications; and text mining and applications.

Global Nutrition Report 2014 International Food Policy Research Institute 2014-11-13 At the 2013 Nutrition for Growth Summit in London, 96 signatories (governments, civil society organizations, donors, United Nations□ agencies, and businesses) agreed to support the creation of an annual report on global nutrition that would be authored by an independent expert group, in partnership with a large number of contributors. The first edition of this report, the Global Nutrition Report 2014, puts a spotlight on worldwide progress by the 193 member countries of the United Nations in improving their nutrition status, identifies bottlenecks to change, highlights opportunities for action, and contributes to strengthened nutrition accountability on country and global levels.

Third ESPON 2013 Scientific Report - December 2014 2014

Progress in Adhesion and Adhesives, Volume 6 K. L. Mittal 2021-08-24 With the ever-increasing amount of research being published, it is a Herculean task to be fully conversant with the latest research developments in any field, and the arena of adhesion and adhesives is no exception. Thus, topical review articles provide an alternate and very efficient way to stay abreast of the state-of-the-art in many subjects representing the field of adhesion science and adhesives.

Social Responsibility and Sustainability Walter Leal Filho 2019-01-14 This book comprehensively describes social responsibility and sustainable development, with contributions from scientists and representatives from industry working in the field. The papers are innovative, cross-cutting and many share practice-based experiences, some of which may be replicable elsewhere. Prepared by the Inter-University Sustainable Development Research Programme (IUSDRP) and the World Sustainable Development Research and Transfer Centre (WSD-RTC), it reiterates the current need to promote social responsibility. Social responsibility and sustainable development are two different concepts, whose integration over the years has led to significant advances in the way enterprises see and perceive their operations. It is not only about policies or steps taken to meet legal requirements, but is also about social equality and environmental accountability, also bearing in mind the links with eco-efficiency, innovation, and the health and wellbeing of workers. According to ISO 26000, social responsibility is the responsibility of an organisation for the impacts of its decisions and activities on society and the environment, through transparent and ethical behaviour that: a) contributes to sustainable development, including health and the welfare of society b) takes into account the expectations of stakeholders c) is in compliance with applicable law and consistent with international norms of behaviour d) is integrated throughout the organisation and practised in its relationships. But even though the relations between social responsibility and sustainability are strong, it is still necessary to encourage organisations to adhere to, or at least follow the principles of sustainable development in their operations, giving something back to the community. As such, there is a need for a better understanding of how social responsibility is related to sustainable development, and of the identification of processes, methods and tools that may help the integration of these two important elements. There is also a real need to showcase successful examples of how to structure behaviour and institutional practice in line with the sustainability challenges we face today. Chapter [Reviewing the Stakeholder Value Creation Literature: Towards a Sustainability Approach] is available open access under a Creative Commons Attribution 4.0 International License via link.springer.com.

Platform Urbanism Sarah Barns 2019-12-07 This book reflects on what it means to live as urban citizens in a world increasingly shaped by the business and organisational logics of digital platforms. Where smart city strategies promote the roll-out of internet of things (IoT) technologies and big data analytics by city governments worldwide, platform urbanism responds to the deep and pervasive entanglements that exist between urban citizens, city services and platform ecosystems today. Recent years have witnessed a backlash against major global platforms, evidenced by burgeoning literatures on platform capitalism, the platform society, platform surveillance and platform governance, as well as regulatory attention towards the market power of platforms in their dominance of global data infrastructure. This book responds to these developments and asks: How do platform ecosystems reshape connected cities? How do urban researchers and policy makers respond to the logics of platform ecosystems and platform intermediation? What sorts of multisensory urban engagements are rendered through platform interfaces and modalities? And what sorts of governance challenges and responses are needed to cultivate and champion the digital public spaces of our connected lives.

Progress in Artificial Intelligence Francisco Pereira 2015-08-26 This book constitutes the refereed proceedings of the 17th Portuguese Conference on Artificial Intelligence, EPIA 2015, held in Coimbra, Portugal, in September 2015. The 45 revised full papers presented together with 36 revised short papers were carefully reviewed and selected from a total of 131 submissions. EPIA 2015, following the standard EPIA format, covers a wide range of AI topics as follows: ambient intelligence and affective environments, artificial Intelligence in medicine, artificial intelligence in transportation systems, artificial life and evolutionary algorithms, computational methods in bioinformatics and systems biology, general artificial intelligence, intelligent information systems, intelligent robotics, knowledge discovery and business intelligence, multi-agent systems: theory and applications, social simulation and modelling, text mining and

applications.

Re-Purposing Universities for Sustainable Human Progress Iain Stewart 2022-03-31

2014 White House Tribal Nations Conference Progress Report Executive Office Executive Office of the President 2014-11-14 The President considers the government-to-government relationship with Indian tribes a lasting covenant to be nourished and strengthened. To this end, engagement, consultation, and interagency collaboration are critical to supporting tribes in building stronger tribal communities. In 2013, the White House Tribal Nations Conference focused on the newly established White House Council on Native American Affairs. The Council is responsible for coordinating the U.S. government's engagement and partnership with tribes in order to promote more prosperous and resilient Native American communities. This year, tribal leaders were provided the opportunity to directly engage with the Council during the plenary session of the Conference to not only voice their concerns but also propose solutions to strengthen the Administration's tribal policies. This year, the President made significant enhancements to tribal self-government and self-determination. In January, the President signed an amendment to the Stafford Act which gives tribes the option to directly request Federal emergency assistance when natural disasters strike their homelands. In March, the President signed the Violence Against Women Reauthorization Act, which grants tribal courts the right to exercise their sovereign power to prosecute those who commit acts of domestic violence in Indian Country. And this November, the President announced the State, Local, and Tribal Leaders Task Force on Climate Preparedness and Resilience. The task force, comprised of tribal officials along with national, state, and local authorities, advises the Federal government on key actions it can take to support local preparedness to the impacts of climate change. The Administration's commitment to tribal consultation and collaboration has led to substantial policy achievements and a much improved partnership with tribes. While much progress has been made, the President recognizes that we have much more work to do. The President and his Administration look forward to working with tribal leaders to advance Indian issues through executive actions that result in meaningful and lasting change in Indian Country. The President also looks forward to making a trip to Indian Country in 2014, a commitment made during the Tribal Nations Conference Plenary Session in response to overwhelming tribal requests.

The Second Machine Age: Work, Progress, and Prosperity in a Time of Brilliant Technologies Erik Brynjolfsson 2014-01-20 A pair of technology experts describe how humans will have to keep pace with machines in order to become prosperous in the future and identify strategies and policies for business and individuals to use to combine digital processing power with human ingenuity.

Progress in Medicinal Chemistry 2019-06-17 Progress in Medicinal Chemistry, Volume 58 provides a review of eclectic developments in medicinal chemistry, with each chapter written by an international board of authors. Topics covered in this new release include Amyotrophic lateral sclerosis (ALS), Covalent-binding Drugs, Natural Product Drug Delivery - A Special Challenge?, and SMN2 gene splicing modifier, and more. Provides extended, timely reviews of topics in medicinal chemistry Contains targets and technologies relevant to the discovery of tomorrow's drugs Presents analyses of successful drug discovery programs

Collaborative Value Co-creation in the Platform Economy Anssi Smedlund 2018-07-11 This book offers a service science perspective on platform orchestration and on collaborative consumption, providing an overview of research topics related to service dominant logic in multi-sided markets. The chapters give an international and multi-disciplinary overview of the current topics of digital service platforms from many angles. This overview helps in filling the gap between service science and recent research of the platform economy and paves the way for future service platform research. Open standards and distributed databases such as blockchain configurations increase the connectivity of business ecosystems as devices and systems exchange data with each other instead of through intermediaries. This exchange opens up opportunities for new value constellations, makes services globally scalable, and connects local service systems as integrated systems of systems. The book brings together established academics from a number of disciplines. This collaboration makes it possible to provide novel constructs and empirical results that help the reader to understand how value is co-created and orchestrated in the era of digital service platforms. In addition to theory building, practical implications for wider managerial and policy use are highlighted. The topics in

this book are related to service platform technologies; organizational capabilities; and strategies and management in the contexts of retail, healthcare, and the public sector. A wide selection of case studies is used to demonstrate the implications of platforms for different service and economic contexts. Combining both theory and practice, this book is highly recommended for readers interested in the service and marketing point of view on the platform economy and for practitioners strategizing for scalable service platforms. Chapters 4 and 10 are available open access under a Creative Commons Attribution 4.0 International License via link.springer.com.

Africa's Platforms and the Evolving Sharing Economy Umukoro, Immanuel Ovemeso 2020-12-18 Digital transformation concepts have created new business principles such as the on-demand economy and a new sharing economy. While the on-demand economy has primarily grown out of industrialized economies, especially North America, Africa has been known to exhibit communal living characterized by sharing. Literature has shown that the introduction of ICTs to everyday life and business has redefined the concept of sharing and also evolved an entirely new spectrum of sharing – both in the individual and business settings. Alongside this new spectrum is a new disruptive business model known as the platform business model. While the subject continues to attract interest globally and locally, there is a need to deepen the understanding of this subject to validate global perspectives on platforms as economic drivers within the African context. Africa's Platforms and the Evolving Sharing Economy is an essential reference source that explores evidence-based platform dynamics and their impact on Africa as a continent leveraging technology for economic development. The book also delves into current data protection and privacy issues and the policies and regulations that could impact the design, deployment, and use of platforms for businesses. Featuring research on topics such as digital design, e-commerce, and enterprise information systems, this book is ideally designed for government officials, economists, business executives, managers, academicians, students, researchers, and global finance professionals.

Health in Humanitarian Emergencies David Townes 2018-05-31 A comprehensive, best practices resource for public health and healthcare practitioners and students interested in humanitarian emergencies.

Assessing Progress on the Institute of Medicine Report The Future of Nursing National Academies of Sciences, Engineering, and Medicine 2016-03-22 Nurses make up the largest segment of the health care profession, with 3 million registered nurses in the United States. Nurses work in a wide variety of settings, including hospitals, public health centers, schools, and homes, and provide a continuum of services, including direct patient care, health promotion, patient education, and coordination of care. They serve in leadership roles, are researchers, and work to improve health care policy. As the health care system undergoes transformation due in part to the Affordable Care Act (ACA), the nursing profession is making a wide-reaching impact by providing and affecting quality, patient-centered, accessible, and affordable care. In 2010, the Institute of Medicine (IOM) released the report The Future of Nursing: Leading Change, Advancing Health, which made a series of recommendations pertaining to roles for nurses in the new health care landscape. This current report assesses progress made by the Robert Wood Johnson Foundation/AARP Future of Nursing: Campaign for Action and others in implementing the recommendations from the 2010 report and identifies areas that should be emphasized over the next 5 years to make further progress toward these goals.

Sustainable Housing Finance United States. Congress. House. Committee on Financial Services 2015

Progress in Engineering Technology III Muhamad Husaini Abu Bakar 2021-05-10 This book contains the selected, peer-reviewed manuscripts presented at the Conference on Multidisciplinary Engineering and Technology (COMET 2019), held at the University Kuala Lumpur Malaysian Spanish Institute (UniKL MSI), Kedah, Malaysia, from September 18 to 19, 2019. This event presented research being carried out in the field of mechanical, manufacturing, electrical and electronics for engineering and technology. This book also contains the manuscripts from the System Engineering and Energy Laboratory (SEELAB) research cluster, UniKL, which is actively doing research mainly focused on artificial intelligence, Internet of things, metal air batteries, advanced battery materials and energy material modelling fields. This book is the fourth edition of the progress in engineering technology, Advanced Structured Materials which provides in-depth ongoing research activities among academia of UniKL MSI.

Gene Therapy in the CNS – Progress and Prospects for Novel Therapies Casper René Gøtzsche 2021-12-21

Progress Reports on Impedance Spectroscopy Olfa Kanoun 2016-11-21 Impedance Spectroscopy is a powerful measurement method used in many application fields such as electrochemistry, material science, biology and medicine, semiconductor industry and sensors. This book covers new advances in the field of impedance spectroscopy including fundamentals, methods and applications by contributions from international scientists.

Progress in Location-Based Services 2016 Georg Gartner 2016-10-12 This book offers a selection of the best papers presented at the 13th International Symposium on Location Based Services (LBS 2016), which was held in Vienna (Austria) from November 14 to 16, 2016. It provides an overview of recent research in the field, including the latest advances in outdoor/indoor positioning, smart environment, spatial modeling, personalization and context awareness, cartographic communication, novel user interfaces, crowd sourcing, social media, big data analysis, usability and privacy.

The Neurobiology and Treatment of OCD: Accelerating Progress Naomi A. Fineberg 2021-07-20 The book highlights important new research approaches of clinical relevance, written by prominent researchers in the field of OCD and related disorders. A broad range of topics is covered, beginning with a description of the phenotypic features of the OCD followed by chapters on developmental aspects, animal models, genetic and biological models including neuro-inflammation, functional neuroimaging correlates and information-processing accounts. Finally, existing and novel treatment approaches are covered including clinical and pharmacogenetic treatment models. In this way the volume brings together the key disciplines involved in the neurobiological understanding of OCD to provide an update of the field and outlook to the future. Together, the volume chapters provide focused and critical reviews that span a broad range of topics suitable for both students and established investigators and clinicians interested in the present state of OCD research.

Progress in China's Human Rights In 2014 Information Offi The State Council Scio 2015-06-07 NA

Progress in Cryptology -- LATINCRYPT 2015 Kristin Lauter 2015-08-15 This book constitutes the proceedings of the 4th International Conference on Cryptology and Information Security in Latin America, LatinCrypt 2015, held in Guadalajara, Mexico, in August 2015. The 20 papers presented were carefully reviewed and selected from 49 submissions. They were organized in topical sections named: cryptographic protocols; foundations; post-quantum cryptography; symmetric key cryptanalysis; we still love pairings; curves in cryptography; and cryptographic engineering.

What We Think About When We Try Not To Think About Global Warming Per Espen Stoknes 2015-04-03 Why does knowing more mean believing—and doing—less? A prescription for change The more facts that pile up about global warming, the greater the resistance to them grows, making it harder to enact measures to reduce greenhouse gas emissions and prepare communities for the inevitable change ahead. It is a catch-22 that starts, says psychologist and economist Per Espen Stoknes, from an inadequate understanding of the way most humans think, act, and live in the world around them. With dozens of examples—from the private sector to government agencies—Stoknes shows how to retell the story of climate change and, at the same time, create positive, meaningful actions that can be supported even by deniers. In What We Think About When We Try Not To Think About Global Warming, Stoknes not only masterfully identifies the five main psychological barriers to climate action, but addresses them with five strategies for how to talk about global warming in a way that creates action and solutions, not further inaction and despair. These strategies work with, rather than against, human nature. They are social, positive, and simple—making climate-friendly behaviors easy and convenient. They are also story-based, to help add meaning and create community, and include the use of signals, or indicators, to gauge feedback and be constantly responsive. Whether you are working on the front lines of the climate issue, immersed in the science, trying to make policy or educate the public, or just an average person trying to make sense of the cognitive dissonance or grapple with frustration over this looming issue, What We Think About When We Try Not To Think About Global Warming moves beyond the psychological barriers that block progress and opens new doorways to social and personal transformation.