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Report Elsevier

Compared to its ‘cousin’ innovation, academic research on creativity has been less well covered in journals and books. This is despite the fact that creativity has a profound role in many different subject disciplines. This book is a unique collection of some of the latest research from a range of leading creativity researchers. Providing a clear understanding of the main concepts, this book: Introduces creativity from an inter-disciplinary perspective Discusses the environmental determinants of creativity development Explores creativity research in the differing disciplines of business, music and education Creativity Research will be of interest and importance to researchers across a variety of subject disciplines, as well as students and practitioners of creativity, innovation and organizational behaviour, amongst others.

News Letter World Bank Publications

This book constitutes the proceedings of the 10th International Workshop on Enterprise and Organizational Modeling and Simulation, EOMAS 2014, held in conjunction with CAiSE 2014 in Thessaloniki, Greece, in June 2014. Tools and methods for modeling and simulation are widely used in enterprise engineering, organizational studies, and business process management. In monitoring and evaluating business processes and the interactions of actors in a realistic environment, modeling and simulation have proven to be both powerful, efficient, and economic, especially if complemented by animation and gaming elements. The 12 contributions in this volume were carefully reviewed and selected from 22 submissions. They explore the above topics, address the underlying challenges, find and improve solutions, and show the application of modeling and simulation in the domains of enterprises, their organizations and underlying business processes.

Harvesting Prosperity CRC Press

We are proud to present to you the proceedings of the European Grid Conference 2005, held at the Science Park Amsterdam during February 14 -16.

Catalogue of Publications Issued by the Government of the United States Academic Press

Includes entries for maps and atlases.

The Office of Environmental Management Technical Reports DIANE Publishing

February issue includes Appendix entitled Directory of United States Government periodicals and subscription publications; September issue includes List of depository libraries; June and December issues include semiannual index

Surface Water Records of Georgia Springer

The importance of biofuels in greening the transport sector in the future is unquestionable, given the limited available fossil energy resources, the environmental issues associated to the utilization of fossil fuels, and the increasing attention to security of supply. This comprehensive reference presents the latest technology in all aspects of biofuels production, processing, properties, raw materials, and related economic and environmental aspects. Presenting the application of methods and technology with minimum math and theory, it compiles a wide range of topics not usually covered in one single book. It discusses development of new catalysts, reactors, controllers, simulators, online analyzers, and waste minimization as well as design and operational aspects of processing units and financial and economic aspects. The book rounds out by describing properties, specifications, and quality of various biofuel products and new advances and trends towards future technology.

Monthly Catalogue, United States Public Documents National Academies Press

A key technical issue for future Air Force systems is to improve their ability to survive. Increased

use of stealth technology is proposed by many to be the major element in efforts to enhance survivability for future systems. Others, however, suggest that the high cost and maintenance required of stealth technology make increased speed potentially more productive. To help address this issue, the Air Force asked the NRC to investigate combinations of speed and stealth that would provide U.S. aircraft with a high survival capability in the 2018 period, and to identify changes in R&D plans to enable such aircraft. This report presents a review of stealth technology development; a discussion of possible future missions and threats; an analysis of the technical feasibility for achieving various levels of stealth and different speeds by 2018 and of relevant near-term R&D needs and priorities; and observations about the utility of speed and stealth trade-offs against evolving threats.

Scientific and Technical Aerospace Reports Routledge

Back cover blurb Rising agricultural productivity has driven improvements in living standards for millennia. Today, redoubling that effort in developing countries is critical to reducing extreme poverty, ensuring food security for an increasing global population, and adapting to changes in climate. This volume presents fresh analysis on global trends and sources of productivity growth in agriculture and offers new perspectives on the drivers of that growth. It argues that gains from the reallocation of land and labor are not as promising as believed, so policy needs to focus more on the generation and dissemination of new technologies, which requires stepping up national research efforts. Yet, in many of the poorest nations, a serious research spending gap has emerged precisely at the time when the challenges faced by agriculture are intensifying. The book focuses on how this problem can be redressed in the public sector, as well as on reforms aimed at mobilizing new private sector actors and value chains, particularly creating a better enabling environment, reforming trade regulations, introducing new products, and strengthening intellectual property rights. On the demand side, the book examines what recent research reveals about policies to reduce the barriers impeding smallholder farmers from adopting new technologies. Harvesting Prosperity is the fourth volume of the World Bank Productivity Project, which seeks to bring frontier thinking on the measurement and determinants of productivity to global policy makers. “As rightly argued by the authors, growth in agricultural productivity is the essential instrument to promote development in low-income agriculture-based countries. Achieving this requires research and development, upgrading of universities, reinforcement of farmer capacities, removal of constraints to adoption, and the development of inclusive value chains with interlinked contracts. As important, such efforts also need to be placed within a context of comprehensive agricultural, rural, and structural transformations. However, in many countries implementation of the requisite policies has been lagging. This book, with contributions from many top experts in the field, provides the most up-to-date presentation of this argument and explains in detail how to successfully put its ideas into practice. Governments, the private sector, and civil society organizations need to study it carefully to turn the promise of agriculture for development into a reality.” Alain de Janvry and Elisabeth Sadoulet Professors of the Graduate School, University of California at Berkeley

Proceedings Springer

Advances and Trends in Structures and Dynamics contains papers presented at the symposium on Advances and Trends in Structures and Dynamics held in Washington, D.C., on October 22-25, 1984. Separating 67 papers of the symposium as chapters, this book documents some of the major advances in the structures and dynamics discipline. The chapters are further organized into 13 parts. The first three parts explore the trends and advances in engineering software and hardware; numerical analysis and parallel algorithms; and finite element technology. Subsequent parts show computational strategies for nonlinear and fracture mechanics problems; mechanics of materials and structural theories; structural and dynamic stability; multidisciplinary and interaction

problems; composite materials and structures; and optimization. Other chapters focus on random motion and dynamic response; tire modeling and contact problems; damping and control of spacecraft structures; and advanced structural applications.

Government Reports Announcements & Index National Academies Press

Implantable technologies allow for a sustained control over the release of pharmaceuticals into the bloodstream thereby achieving a controlled concentration with the potential to minimise side-effects while increasing patient compliance. Significant progress has been made in various alternative implantable delivery technologies, notably in intraocular and subcutaneous devices. Despite success in research and clinical studies, long-term clinical efficacy may be more limited and different aspects related to drug development and commercialization using these technologies are not well understood or practiced in the commercial setting. This book provides a comprehensive and cohesive picture of the latest in the field while also outlining the opportunities and challenges in implantable technology. Implantable Technologies: Pepties and Biologic Drug Development is an ideal reference for any postgraduate or researcher interested in utilising implantable technologies and novel routes of drug administration. The book will also be of interest to those involved in formulation and clinical application for a wide array of disease areas in addition to more established paradigms such as diabetes and pain management.

Report National Academies Press

Marine Ecotoxicology: Current Knowledge and Future Issues is the first unified resource to cover issues related to contamination, responses, and testing techniques of saltwater from a toxicological perspective. With its unprecedented focus on marine environments and logical chapter progression, this book is useful to graduate students, ecotoxicologists, risk assessors, and regulators involved or interested in marine waters. As human interaction with these environments increases, understanding of the pollutants and toxins introduced into the oceans becomes ever more critical, and this book builds a foundation of knowledge to assist scientists in studying, monitoring, and making decisions that affect both marine environments and human health. A team of world renowned experts provide detailed analyses of the most common contaminants in marine environments and explain the design and purpose of toxicity testing methods, while exploring the future of ecotoxicology studies in relation to the world’s oceans. As the threat of increasing pollution in marine environments becomes an ever more tangible reality, Marine Ecotoxicology offers insights and guidance to mitigate that threat. Provides practical tools and methods for assessing and monitoring the accumulation and effects of contaminants in marine environments Unites world renowned experts in marine ecotoxicology to deliver thorough and diverse perspectives Builds the foundation required for risk assessors and regulators to adequately assess and monitor the impact of pollution in marine environments Offers helpful insights and guidance to graduate students, ecotoxicologists, risk assessors, and regulators interested in mitigating threats to marine waters

A Technical Report on Analytical-experimental Correlation of Radiation Loss from an Argon Arcjet Royal Society of Chemistry

Getting the right diagnosis is a key aspect of health care - it provides an explanation of a patient's health problem and informs subsequent health care decisions. The diagnostic process is a complex, collaborative activity that involves clinical reasoning and information gathering to determine a patient's health problem. According to Improving Diagnosis in Health Care, diagnostic errors-inaccurate or delayed diagnoses-persist throughout all settings of care and continue to harm an unacceptable number of patients. It is likely that most people will experience at least one diagnostic error in their lifetime, sometimes with devastating consequences. Diagnostic errors may cause harm to patients by preventing or delaying appropriate treatment, providing unnecessary or harmful treatment, or resulting in psychological or financial repercussions. The committee

concluded that improving the diagnostic process is not only possible, but also represents a moral, professional, and public health imperative. Improving Diagnosis in Health Care, a continuation of the landmark Institute of Medicine reports To Err Is Human (2000) and Crossing the Quality Chasm (2001), finds that diagnosis-and, in particular, the occurrence of diagnostic errors“has been largely unappreciated in efforts to improve the quality and safety of health care. Without a dedicated focus on improving diagnosis, diagnostic errors will likely worsen as the delivery of health care and the diagnostic process continue to increase in complexity. Just as the diagnostic process is a collaborative activity, improving diagnosis will require collaboration and a widespread commitment to change among health care professionals, health care organizations, patients and their families, researchers, and policy makers. The recommendations of Improving Diagnosis in Health Care contribute to the growing momentum for change in this crucial area of health care quality and safety.

Biofuels Production and Processing Technology

For nearly a century, scientific advances have fueled progress in U.S. agriculture to enable American producers to deliver safe and abundant food domestically and provide a trade surplus in bulk and high-value agricultural commodities and foods. Today, the U.S. food and agricultural enterprise faces formidable challenges that will test its long-term sustainability, competitiveness, and resilience. On its current path, future productivity in the U.S. agricultural system is likely to come with trade-offs. The success of agriculture is tied to natural systems, and these systems are showing signs of stress, even more so with the change in climate. More than a third of the food produced is unconsumed, an unacceptable loss of food and nutrients at a time of heightened global food demand. Increased food animal production to meet greater demand will generate more greenhouse gas emissions and excess animal waste. The U.S. food supply is generally secure, but is not immune to the costly and deadly shocks of continuing outbreaks of food-borne illness or to the constant threat of pests and pathogens to crops, livestock, and poultry. U.S. farmers and producers are at the front lines and will need more tools to manage the pressures they face. Science Breakthroughs to Advance Food and Agricultural Research by 2030 identifies innovative,

emerging scientific advances for making the U.S. food and agricultural system more efficient, resilient, and sustainable. This report explores the availability of relatively new scientific developments across all disciplines that could accelerate progress toward these goals. It identifies the most promising scientific breakthroughs that could have the greatest positive impact on food and agriculture, and that are possible to achieve in the next decade (by 2030).

Department of State News Letter

Catalog of the United States Geological Survey Library

Technology Assessment Report

Bibliography and Abstracts

Technical Report - Massachusetts Institute of Technology, Research Laboratory of Electronics

Future Air Force Needs for Survivability

[Implantable Technologies](#)