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□□□□□ 2002-06-15 this publication is devoted to the natural feature the black sea and its littoral states at the same time the azov sea is also considered here this region is the focus of many geopolitical economic social and environmental issues that involve not only the countries coming out to the black and azov seas but other world countries too this publication contains over 1500 articles and terms providing descriptions of geographical and oceanographic features cities ports transport routes marine biological resources international treaties national and international programs research institutions historical and archaeological monuments activities of prominent scientists researchers travelers military commanders etc who had relation to the black sea it includes a multi century chronology of the events that became the outstanding milestones in the history of development of the black sea azov sea region

The Black Sea Encyclopedia 2014-09-30 key discoveries concerning the different biological functions of microglia in health and disease have attracted scientists from various fields in microglia methods and protocols expert researchers in the field detail methods for selection of the key cellular molecular and biochemical techniques that are used in studying the many and varied functions of this fascinating cell these methods and techniques include microglia cell culture for studying microglia activation and functions as well as their interaction with other cell types both in vitro and in vivo written in the highly successful methods in molecular biology series format chapters include introductions to their respective topics lists of the necessary materials and reagents step by step readily reproducible laboratory protocols and key tips on troubleshooting and avoiding known pitfalls authoritative and practical microglia methods and protocols is a useful resource for cell biologists molecular biologists immunologists oncologist and neuroscientists

Theory of High Temperature Superconductivity 2011 material science is one of the most evolving fields of human activities invention and consequent introduction of new materials for practical and or technological purposes requires as complete knowledge of the physical chemical and structural properties as possible to ensure proper and optimal usage of their new features in order to understand the macroscopic behaviour one has to search for their origin on a microscopic level a good deal of microscopic information can be obtained through hyperfine interactions mossbauer spectroscopy offers a unique possibility for hyperfine interaction studies via probing the nearest order of resonant atoms materials which contain the respective isotope as one of the constituent elements e g iron tin but also those which even do not contain them can be investigated in the latter case the probe atoms are incorporated into the material of interest in minor quantities ca 0 1 at to act as probes on a nuclear level this workshop has covered the most evolving topics in the field of mossbauer spectroscopy applied to materials science during four working days so participants from 19 countries discussed the following areas chemisliy mineralogy and metallurgy artificia y structured materials nanosized materials and quasicrvstals and experimental techniques and data processing a total of 42 contributions 30 keynote talks reviewed the current state of art of the method its applications for technical purposes as well as trends and perspectives a total of 39 papers are included in the present volume applications in chemisfr

Mössbauer Spectroscopy in Materials Science 2013-11-11 this new book on science and technology management is the result of a 4day advanced nato workshop held in sinala romania and addresses an important subject in today s fast moving world technology development competitively and resulting employment priorities and budget distribution globalisation and evaluation processes government s role and incentives industrial participation innovation and sme s international collaboration scientific and technical aspirations and endeavours are included in its 33 presentations made by scientists engineers and managers from 18 countries the cross fertilisation of ideas from east and west was most fruitful and the problems faced by the central and eastern european countries in their course of transition to market economy are amply discussed the reader will find useful information on the research and technology development structures of many countries the methods of implementation and evaluation of research activities the handling of specialised topics and the ways of maximising economic impact

Science and Technology Management 1998 evaluation of scientific research particularly of research which is supported by government funds is a matter of growing concern in virtually every nation it is no longer adequate to expect that the value of investments in research will be judged in long term historical perspective resources are scarce and policy makers are looking for ways to assure that these resources are used in the most effective way from the life or death evaluations of academic research institutes in the post communist countries to the government performance and results act gpra in the united states research evaluation has become a topic of utmost importance

in science policy evaluation often has substantial consequences for researchers and research institutions including restructuring shifting of priorities budget reductions or evenclosures therefore it is essential that evaluation is done systematically and objectively with methodologies that can be understood and trusted by those concerned this book is based on a nato advanced research workshop co organized by the academy of sciences of the czech republic and the american association for the advancement of science it describes a range of the most up to date methods of science evaluation and the experience with their implementation in many countries this book can be of interest to researchers policy makers practitioners of science evaluation and many others interested in science policy

Science Evaluation and Its Management 1999 marketing strategy 6th edition emphasizes teaching students to think and act like marketers it presents strategy from a perspective that guides strategic marketing management in the social economic and technological arenas in which businesses function today helping students develop a customer oriented market strategy and market plan its practical approach to analyzing planning and implementing marketing strategies is based on the creative process involved in applying marketing concepts to the development and implementation of marketing strategy an emphasis on critical thinking enables students to understand the essence of how marketing decisions fit together to create a coherent strategy well grounded in developing and executing a marketing plan the text offers a complete planning framework thorough marketing plan worksheets and a comprehensive marketing plan example for students to follow available with infotracr student collections gocengage com infotrac

Transforming Science and Technology Systems, the Endless Transition? 1998 it is becoming increasingly clear that the future of the world cannot be sustained without scientific support analysis prediction and the use of scientific achievement the immensity of the problems confronting us coupled with the limited financial resources available urgently demand the selection of priority areas of research with a global combination of scientific effort the new geopolitical situation has uncovered russia s and the former soviet union s scientific potential this has given rise to wider opportunities for involvement in work on international projects and programmes many of which are discussed in the present volume the book addresses specifically priority fields of science in which joint multidisciplinary research should be developed encompassing rational use of natural resources and regional sustainable development as well as the monitoring of the biosphere s ecosystem state and the risks of natural and anthropogenic hazards and the creation of new materials and technologies the list of priorities includes siberia s economic social and humanitarian problems as well as the development of information systems for the rapid exchange of scientific data there is a recognised need for the involvement of young scientists in partnership laboratories in a probationary capacity

Science Policy 2012-12-06 a summary of all the most important aspects of supramolecular science from molecular recognition in chemical and biological systems to supramolecular devices materials and catalysis the 17 chapters cover calixarenes catenanes cavitands cholophanes dendrimers membranes and self assembly systems molecular modelling molecular level devices organic materials peptides and protein surfaces recognition of carbohydrates rotaxanes supramolecular catalysis a forward looking chapter written by j m lehn indicated the future prospects for the entire field audience ph d students and young researchers in chemistry physics and biology

Supramolecular Science 2012-12-06 nanoscale science and technology summarizes six years of active research sponsored by nato with the participation of the leading experts the book provides an interdisciplinary view of several aspects of physics at the atomic scale it contains an overview of the latest findings on the transport of electrons in nanowires and nanoconstrictions the role of forces in probe microscopy the control of structures and properties in the nanometer range aspects of magnetization in nanometric structures and local probes for nondestructive measurement as provided by light and metal clusters near atomic scales

Nanoscale Science and Technology 2012-12-06 a unique combination of the basic science and fundamental aspects of joints and interfaces with the engineering aspects of the subject contributors include researchers drawn from several eastern european countries topics addressed include processing interfacial reactions graded joints residual stress measurement and analysis and failure and deformation audience academic and industrial researchers and ceramic manufacturers interested in understanding the current state of the art in joining

Interfacial Science in Ceramic Joining 2013-04-17 a profound and frank analysis of the problems arising from the impact of free market globalization in cis countries possible new solutions are presented and discussed especially those based on the key role of innovation a new original

proposal is made for the development of a common technological language starting from a european standardization of computer aided design and manufacturing cad cam

Globalization of Science and Technology: A Way for C.I.S. Countries to New Markets 2012-12-06 this book represents a collection of papers presented at the nato advanced research workshop nato arw on science and technology of rapid solidification and processing held at hotel thayer west point military academy new york n y during june 21 24 1994 the workshop was attended by over forty scientists representing several nato member countries as well as representatives from japan china prc taiwan and india the purpose of this nato arw conference was to review the major advances made in most recent years in both the theoretical and experimental areas of rapid solidification technology and processing in accordance with the nato arw format the agenda for the conference was so arranged to offer in depth presentation of the latest developments in the subject area as well as to encourage follow up discussions by the participants there was seven sessions each opened with a lecture by an invited guest speaker sessions 1 4 covered two days of the conference and focused mainly on processing technologies of rapid solidification and thermodynamic properties practical applications sessions 4 6 concentrated on thermodynamics of metastable alloys relaxation diffusion magnetic and electric properties fundamentals session 6 was devoted to the structural characterization of supercooled melts ultra fine polycrystalline materials new innovations and techniques there were two equally important aspects of this nato arw conference which must be mentioned firstly this is the first nato arw conference on science and technology of rapid solidification and processing held in the united states

Science and Technology of Rapid Solidification and Processing 2012-12-06 advances in materials science and implant orthopedic surgery brings together experts from major university hospitals materials scientists specializing in bio materials and development engineers working for implant manufacturers to address such issues as mechanisms of fixation foreign body immune response generation and consequences of ionic and wear debris materials selection design and manufacturing schemes and surgical techniques to maximize the safety and efficacy of the devices

Advances in Materials Science and Implant Orthopedic Surgery 2012-12-06 polymers main components of plastics and rubbers are being discarded in increasing quantities but this waste can also be considered as plastic gold public concern coupled with the inherent value of the material means that recycling is imperative the present book presents a survey of current knowledge in the form of case studies including current legal and educational issues topics covered also include regulation and practice in nato countries the economics of recycling the reprocessing of single polymers and mixtures and future prospects and strategies audience vital reading for all polymer scientists technicians and engineers

Frontiers in the Science and Technology of Polymer Recycling 2013-03-09 proceedings of the nato advanced study institute kusadasi turkey july 26 august 8 1998

Physics and Materials Science of Vortex States, Flux Pinning and Dynamics 1999-04-30 the radiation exposure compensation act reca was set up by congress in 1990 to compensate people who have been diagnosed with specified cancers and chronic diseases that could have resulted from exposure to nuclear weapons tests at various u s test sites eligible claimants include civilian onsite participants downwinders who lived in areas currently designated by reca and uranium workers and ore transporters who meet specified residence or exposure criteria the health resources and services administration hrsa which oversees the screening education and referral services program for reca populations asked the national academies to review its program and assess whether new scientific information could be used to improve its program and determine if additional populations or geographic areas should be covered under reca the report recommends congress should establish a new science based process using a method called probability of causation assigned share pc as to determine eligibility for compensation because fallout may have been higher for people outside reca designated areas the new pc as process should apply to all residents of the continental us alaska hawaii and overseas us territories who have been diagnosed with specific reca compensable diseases and who may have been exposed even in utero to radiation from u s nuclear weapons testing fallout however because the risks of radiation induced disease are generally low at the exposure levels of concern in reca populations in most cases it is unlikely that exposure to radioactive fallout was a substantial contributing cause of cancer

Assessment of the Scientific Information for the Radiation Exposure Screening and Education Program 2005-10-01 this volume features the proceedings of the nato ar workshop held in kishinev the capital of moldova a fom1er soviet republic in the south eastern europe ouiing 3 working days 26 reports were presented 8 of them by or in collaboration with speakers from kishinev the

reports arc presented in the order they were given at the workshop as the topic was rather wide ranged all the sittings were plenmy the opening communication was made by the mayor of kishinev s urckian who was the chainnan of the organizing committee it was followed by other reports of general orientation the second half of the first day was devoted to the research results and problems of the academy of sciences of moldova on the second day the workshop was hosted by the technical university of moldova at the beginning the ceremonial sitting of its scientific council took place at which two scientists were made doctors honoris causa of that university prof k frolov from russia and prof g parissakis from greece then the plenary sessions continued the round table talk held in the second half of the last day appeared to be very fruitful a relaxed and friendly atmosphere of it was appropriate for establishing closer contacts and discussing problems of mutual interest for scientists ingineers managerial heads and officers and businessmen

Scientific and Technological Achievements Related to the Development of European Cities

2013-04-17 francis w holm science applications international corporation 7102 meadow lane chevy chase md 20815 the north atlantic treaty organization nato sponsored an advanced research workshop arw in warsaw poland on april 24 25 1995 to collect and study information on alternative and supplemental demilitarization technologies the conference included experienced scientists and engineers who delivered presentations and provided written reports oftheir findings countries describing their technologies included poland pre processing thermal oxidation and instrumentation russia molten salt oxidation plasma catalytic oxidation supertoxicants molten metal fluid bed reactions and hydrogenation germany supercritical water oxidation and detoxification the united kingdom electrochemical oxidation the united states wet air oxidation detoxification and biodegradation and the czech republic biodegradation the technologies identified for assessment at the workshop are alternatives to incineration technology for chemical warfare agent destruction treatment of metal parts and explosive or energetic material were considered as a secondary issue the treatment of dunnage and problems associated with decontamination while recognized as an element of demilitarization received only limited discussion the alternative technologies are grouped into three categories based on process bulk operating temperature low o 200 c medium 200 600 c and high 600 3 500 c reaction types considered include hydrolysis oxidation electrochemical hydrogenation and pyrolysis these categories represent a broad spectrum of processes some of which have been studied only in the laboratory and some of which are in commercial use for destruction of hazardous and toxic wastes some technologies have been developed and used for specific commercial applications

Scientific Advances in Alternative Demilitarization Technologies 2012-12-06 provides comprehensive coverage of the fundamentals of mesoscopic thermodynamics mesoscopic thermodynamics for scientists and engineers presents a unified conceptual approach to the core principles of equilibrium and nonequilibrium thermodynamics emphasizing the concept of universality at the mesoscale this authoritative textbook provides the knowledge required for understanding and utilizing mesoscopic phenomena in a wide range of new and emerging technologies divided into two parts mesoscopic thermodynamics for scientists and engineers opens with a concise summary of classical thermodynamics and nonequilibrium thermodynamics followed by a detailed description of fluctuations and local spatially dependent properties part ii presents a universal approach to specific meso heterogeneous systems illustrated by numerous examples from experimental and computational studies that align with contemporary research and engineering practice bridges the gap between conventional courses in thermodynamics and real world practice provides in depth instruction on applying thermodynamics to current problems involving meso and nano heterogeneous systems contains a wealth of examples of simple and complex fluids polymers liquid crystals and supramolecular equilibrium and dissipative structures includes practical exercises and references to textbooks monographs and journal articles in each chapter mesoscopic thermodynamics for scientists and engineers is an excellent textbook for advanced undergraduate and graduate students in physics chemistry and chemical mechanical and materials science engineering as well as an invaluable reference for engineers and researchers engaged in soft condensed matter physics and chemistry nanoscience and nanotechnology and mechanical chemical and biomolecular engineering

Mesoscopic Thermodynamics for Scientists and Engineers 2024-08-27 apatite type minerals and their synthetic analogues are of interest of many industrial branches and scientific disciplines including material sciences chemical industry agriculture geology medicine and dentistry this book provides a basic overview of general knowledges of this topic in order to provide the comprehensive survey from a scientific and technological perspective the book is divided into 10

chapters which are devoted to the structure and properties of minerals from the supergroup of apatite experimental techniques of preparation and characterization of synthetic analogues of apatite minerals substitution in the structure of apatite as well as utilization of these materials in wide range of common and special advanced applications in industry material sciences and research additionally the phosphate rocks their classification geological role mining and beneficiation of phosphate ore production of elemental phosphorus phosphoric acid and fertilizers are also described although this book is meant for chemist material scientist and research engineers the individual chapters contain theoretical background historical aspects as well as examples of synthetic and analytical methods which may be also interesting for students and non expert readers as well

Apatites and their Synthetic Analogues 2016-04-13 this book examines how technological modernisation and innovation policies have been implemented in russia from the soviet era to the present day it discusses how since about 2000 the russian state has attempted to address the country s excessive dependence on natural resources by implementing an ambitious programme of economic modernisation including giving innovation more policy prominence boosting state funding for research and development and innovation and emphasising science towns and technology parks as key instruments for stimulating innovation based on extensive original research taking a multidisciplinary approach and including detailed case studies the book explains why despite these efforts russia is performing comparatively poorly in innovation outcomes it argues that a key factor is the country s political economy model in which science technology and innovation policies are mainly controlled and funded by the federal centre of power and led by domestic political and economic elites

Innovation and Modernisation in Contemporary Russia 2022-07-29 while the basic pattern of hominid evolution is well documented the recent evolutionary history of homo sapiens is less clear application of molecular genetics techniques has great potential for resolving issues over this period but as the complexity of such data increases the quantitative methods used for its analysis are becoming more important this phase is also one of the richest for biological and behavioural evidence derived from both fossils and archaeology the book will contain expository and state of the art research contributions from experts in these diverse areas covering data and its interpretation and experimental and analytical techniques

Genes, Fossils, and Behaviour 2001 fine particles science and technology deals with the preparation characterization and technological applications of monodisperse particles in the micro to nano size range a broad view of this frontier field is given covering understanding the mechanisms by which uniform fine particles are formed and the search for new processes the mechanism of the precipitation technique requiring knowledge of the relationship between the complex solution chemistry and the products formed the sequence of events leading to the formation of monodisperse colloids the following topics are presented microparticles nanoparticles applications in the preparation of materials synthesis and properties environmental applications and many others

Fine Particles Science and Technology 2012-12-06 for all practical purposes the basic physical equations governing the behaviour of a system at the molecular level can only be solved approximately the key issue in any reliable and accurate computational study in molecular physics and quantum chemistry is the adoption of a suitable model which contains the essential physics and chemistry is computationally tractable and preferably amenable to systematic refinement the provision of advice on the choice of an appropriate model for a specific problem has so far received scant attention this issue is becoming acute as standard software packages are becoming widely available and are being increasingly heavily used in both the academic and industrial sectors by researchers who have received no special training in the theoretical physics and chemistry that underpins them this volume provides researchers whose background may not be in the computational molecular sciences with the necessary background to make intelligent use of the methods available by performing reliable calculations of appropriate accuracy and making a considered interpretation of the data so obtained

Problem Solving in Computational Molecular Science 2012-12-06 in the thirty years since the invention of the co2 gas laser the major design issue has shifted from how to obtain the desired power level to how to achieve reliable operation at the same time the opening of many laser development facilities in the former soviet union has allowed their achievements and design approaches to be understood and appreciated for the first time further the industrial laser user community has identified a number of emerging applications at higher power levels 15 20 kw than

are attainable by most commercial devices in high power lasers science and engineering the designers developers and users of high power gas laser systems discuss design approaches methods of enhancing performance new applications and user requirements

High Power Lasers - Science and Engineering 2013-03-09 during the last years important geopolitical changes took place in the broader area of eastern europe having as a consequence among others the change of policy and strategy in many fields such as social economical commercial scientific e t c it was a contemporary demand to have a meeting of scientists from various countries and especially from countries of the eastern europe and the balkan area where the various problems concerning the scientific technological and research fields could be studied and discussed the goals of this meeting would be mutual information broadening of cooperation possibilities through common research programs as well as possible development of a common policy in certain sections of science and technology of mutual interest the realization of this meeting which came true with the initiative the moral of the nato scientific affairs division gave the and full economical support pursued results included in the present volume it was my pleasure to act as the director of the nato arw and i am most grateful to the nato scientific affairs division for the financial support and especially to its programme director dr alain jubier whose contribution to every step of the workshop was essential so that this meeting would be effective

Science Policy and Research Management in the Balkan Countries 2012-12-06 biotechnology has been labelled as one of the key technologies of the last two decades of the 20th century offering boundless solutions to problems ranging from food and agricultural production to pharmaceutical and medical applications as well as environmental and bioremediation problems biological processes however are complex and the prevailing mechanisms are either unknown or poorly understood this means that adequate techniques for data acquisition and analysis leading to appropriate modeling and simulation packages that can be superimposed on the engineering principles need to be routine tools for future biotechnologists the present volume presents a masterly summary of the most recent work in the field covering instrumentation systems enzyme technology environmental biotechnology food applications and metabolic engineering

Computer and Information Science Applications in Bioprocess Engineering 2012-12-06 electroceramic thin films hold out the promise of applications in entirely new generations of advanced microdevices that may revolutionise technology creating multibillion dollar markets in the process less glamorous than the high temperature superconductors but probably just as important are electrically conductive ferroelectric piezoelectric pyroelectric electro optic and magnetic films the list of potential applications of films having these properties is virtually endless but there are still some issues to be resolved before fully functioning devices reach the market all these issues and more are discussed in science and technology of electroceramic thin films which provides one of the best most up to date summaries of the field currently available

Science and Technology of Electroceramic Thin Films 1995-02-28 the great complex and rapid change happening in fonner soviet union is overfloading an impressive impact on the western world especially europe and in the close future on the global world most of this change is generating positive effects and even more optimistic expectations but surely the difficulties to support and to render these results real and longlasting cannot be underestimated in fact difficulties in the adaptation especially of the most important countries capabilities like r d process and innovation development and transfer are being evidenced in the transitional period to completely new socio economic and political conditions for the above reasons various conferences and meetings have been organised on international base most of them taking care of identifying and developing recommendations for improving organisation of science in east europe and reshaping the research in science and technology in the context of new socio economic conditions these efforts were mainly confined to scientific research that was considered one of the most important wealth s of soviet union giving not specific attention to the strategic importance of science and even more innovation for industrial and socio economic growth in the new n i s countries furthennore the impressive speed of change in innovation on the global market coupled to the enonnous change realised by n i s countries especially by the leader russia is accelerating the need of an operating solution capable of linking these countries with the western world rules and market starting from europe

Science and Innovation as Strategic Tools for Industrial and Economic Growth 2012-12-06 nanoscale science whose birth and further growth and development has been driven by the needs of the microelectronics industry on one hand and by the sheer human curiosity on the other hand has given researchers an unprecedented capability to design and construct devices whose function

ality is based on quantum and mesoscopic effects a necessary step in this process has been the development of reliable fabrication techniques in the nanometer scale two dimensional systems quantum wires and dots and coulomb blockade structures with almost ideal properties can nowadays be fabricated and subjected to experimental studies how does one fabricate micro nanostructures of low dimensionality how does one perform a nanoscale characterization of these structures what are the fundamental properties typical to the structures which new physical processes in nanostructures need to be understood what new physical processes may allow us to create new nanostructures an improved understanding of these topics is necessary for creation of new concepts for future electronic and optoelectronic devices and for characterizing device structures based on those concepts

Frontiers in Nanoscale Science of Micron/Submicron Devices 1996-10-31 this volume include over 30 chapters written by experts from around the world it examines drought and all of the fundamental principles relating to drought and water scarcity it includes coverage of the causes of drought occurences preparations drought vulnerability assessments societal implications and more

Handbook of Drought and Water Scarcity 2017-08-02 five questions dominated the arw on physics and materials science of high temperature superconductors of which this book forms the permanent record briefly these are i how close are we to a unified theory the consensus is that we are not ii flux pinning can it be achieved in bulk materials still an open question the following three questions are related iii can grain boundary contributions be brought under control iv what is the real requirement for purity and general chemistry control v what is the practical outlook for bulk products tapes and wires one of the conclusions is that the geometry and dimensions in thin films are the key parameters that facilitate the realization of high current densities and consequently their commercial application on the other hand the very large number of poorly understood microstructural chemical and mechanical variables involved in the preparation of bulk materials are currently prohibiting large scale commercialization of wires and tapes

Physics and Materials Science of High Temperature Superconductors, IV 2012-12-06 when the guns are silenced those who have survived armed conflict need food water shelter the means to earn a living and the promise of safety and a return to civil order meeting these needs while sustaining peace requires more than simply having governmental structures in place it requires good governance natural resources are essential to sustaining people and peace in post conflict countries but governance failures often jeopardize such efforts this book examines the theory practice and often surprising realities of post conflict governance natural resource management and peacebuilding in fifty conflict affected countries and territories it includes thirty nine chapters written by more than seventy researchers diplomats military personnel and practitioners from governmental intergovernmental and nongovernmental organizations the book highlights the mutually reinforcing relationship between natural resource management and good governance natural resource management is crucial to rebuilding governance and the rule of law combating corruption improving transparency and accountability engaging disenfranchised populations and building confidence after conflict at the same time good governance is essential for ensuring that natural resource management can meet immediate needs for post conflict stability and development while simultaneously laying the foundation for a sustainable peace drawing on analyses of the close relationship between governance and natural resource management the book explores lessons from past conflicts and ongoing reconstruction efforts illustrates how those lessons may be applied to the formulation and implementation of more effective governance initiatives and presents an emerging theoretical and practical framework for policy makers researchers practitioners and students governance natural resources and post conflict peacebuilding is part of a global initiative to identify and analyze lessons in post conflict peacebuilding and natural resource management the project has generated six books of case studies and analyses with contributions from practitioners policy makers and researchers other books in this series address high value resources land water livelihoods and assessing and restoring natural resources

Governance, Natural Resources and Post-Conflict Peacebuilding 2016-04-07 machine generated contents note chapter i mini symposium 1 statewide and regional strategies for planning and upgrading of r d in some model countries germany and ec russia turkey italy research and development r d in the united states and in the western hemisphere w brostow survey of the funding of r d in germany and the eu h hkkter on present status ofacademic research and education in russia a zerin planning and upgrading of r d in turkey a ciingirogh statewide and regional strategies for planning and upgrading of r d in italy as a model country m malineonico contribution of international bodies to the r d capability of centralasian and caucasian

republics special attention to eu international cooperation programmes p m ahin recent developments in innovation policy in the european community m malinconico small business and innovation in r d anna brostow

The Role of Government and Research Institutes in the Planning of Research and Development in Some Central Asian and Caucasian Republics 2000 all former soviet union countries experience their past as a heavy burden it led to the centralisation of scientific personnel the separation of research from teaching at universities and a concentration of certain branches of technology in different parts of the union this has given rise to a one sided technology and science potential which frequently cannot be sufficiently supported due to a lack of adequate finance cooperation between the baltic states themselves is often hampered by an exaggerated sense of national identity and international cooperation can be made difficult by linguistic problems a critical issue is finance the baltic states themselves are experiencing budgetary constraints and the west is cutting back on funding the analytical issues dealt with here include specific questions such as in the sectors of energy policy electrical equipment and electronics and environmental considerations the transfer of technology is also discussed as is security there is the possibility that science and scientific results can be obtained from the former soviet union at low cost by the criminal community

East-West Scientific Co-operation 2013-11-11 mercury deposition and contamination is widespread and well documented and it continues to be a public health concern for certain sectors of the global human population in both developed and developing countries this edited volume focuses on integrating the diverse sciences involved in the process of mercury cycling in the environment from the atmosphere through terrestrial and aquatic food webs and human populations to develop a comprehensive perspective on this important environmental pollutant using a systems level approach this book provides recommendations on mercury remediation risk communication education and monitoring in response to a growing need for understanding the cycling of this ubiquitous pollutant the science of mercury has grown rapidly expanding into several interdisciplinary fields and encompassing such disparate academic and scientific disciplines as biogeochemistry economics sociology public health decision sciences physics global change and mathematics only recently have scientists really begun to establish more holistic approaches to studying mercury pollution giving rise to investigations that have furthered the integration of a multi tiered approach especially by using chemistry biology and human health sciences collectively the study of mercury pollution has produced a variety of contributions to domestic and international policies related to the management of mercury in the environment

Mercury in the Environment 2012-05-31 this book describes recent advances in radiative transfer atmospheric remote sensing polarization optics of random media and light scattering it is a valuable resource for anyone involved in light scattering research providing numerous step by step tutorials it allows readers to quickly learn about various aspects of theoretical and experimental light scattering media optics the book features among others a chapter on aerosol remote sensing that helps readers to define and solve various aerosol remote sensing problems

Springer Series in Light Scattering 2019-06-29 this book highlights recent development of ambipolar materials involving materials design fundamental principles interface modifications device structures characteristics and promising applications

Ambipolar Materials and Devices 2020-09-15 experts from academia and government who are actively engaged in research in the area of risk communication present a compendium of cases that give information and allow the development of strategies to improve the communication of scientific information to the public the cases span western central and eastern europe covering such areas as nuclear waste heavy metal contamination landfill siting risk perception global warming international health for all and more the conclusions and recommendations presented here are being used to develop future activities to further explore this area of risk communication as an international study audience scientists risk communicators psychologists toxicologists health professionals and anyone who has an interest in public communication on scientific uncertainty

Scientific Uncertainty and Its Influence on the Public Communication Process 2013-03-09

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