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the interrelations of science and technology as an object of study seem to have drawn the attention of a number of disciplines the history of both science and technology sociology economics and economic history and even the philosophy of science the question that comes to mind is whether the phenomenon itself is new or if advances in the disciplines involved account for this novel interest or in fact if both are intercon nected when the editors set out to plan this volume their more or less explicit conviction was that the relationship of science and technology did reveal a new configuration and that the disciplines concerned with 1ts analysis failed at least in part to deal with the change because of conceptual and methodological preconceptions to say this does not imply a verdict on the insufficiency of one and the superiority of any other one disciplinary approach rather the situation is much more complex in economics for example the interest in the relationship between science and technology is deeply influenced by the theoretical problem of accounting for the factors of economic growth the primary concern is with technology and the problem is whether the market induces technological advances or whether they induce new demands that explain the subsequent diffusion of new technologies science is generally considered to be an exogenous factor not directly subject to market forces and therefore appears to be of no interest

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2013-11-26

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Computational Science and Its Applications - ICCSA 2005

2005-05-02

the four volume set assembled following the 2005 international conference on computational science and its applications iccsa 2005 held in suntec international convention and exhibition centre singapore from 9 may 2005 till 12 may 2005 represents the ne collection of 540 refereed papers selected from nearly 2 700 submissions computational science has rmly established itself as a vital part of many scienti c investigations a ecting researchers and practitioners in areas ranging from applications such as aerospace and automotive to emerging technologies such as bioinformatics and nanotechnologies to core disciplines such as ma ematics physics and chemistry due to the shear size of many challenges in computational science the use of supercomputing parallel processing and phisticated algorithms is inevitable and becomes a part of fundamental t oretical research as well as endeavors in emerging elds together these far reaching scienti c areas contribute to shape this conference in the realms of state of the art computational science research and applications encompassing the facilitating theoretical foundations and the innovative applications of such results in other areas

Perspectives on Oceans Past

2016-05-24

marine environmental history analyses the changing relationships between human societies and marine natural resources over time this is the first book which deals in a systematic way with the theoretical backgrounds of this discipline major theories and methods are introduced by leading scholars of the field the book seeks to encapsulate some of the major novelties of this fascinating new discipline and its contribution to the management conservation and restoration of marine and coastal ecosystems as well as the cultural heritages of coastal communities in different parts of the world

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2019-02-28

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useful and reliable guidance from a student who has nailed the exams this book has been written by a teenager like you having achieved seven 9s three a s and one a in his gcses the author has shared his revision style to help many other teenagers to realise their potential in his book rohan has outlined his tried and tested methods to achieve the best grades there is step by step guide on planning making a timetable and revision techniques leading up to the gcse exams there are separate chapters for subject specific advice as the same technique cannot work for subjects like english and chemistry there are tips on how to stay motivated and also relax and enjoy at the same time smart working rather than a lot of working helps read this book and arm yourself with studying techniques which will help you not only in your gcses but all future exams

Time And Science (In 3 Volumes)

2023-06-21

prominent scientists and philosophers of science address contemporary debates on the nature of time their contributions freely discuss its unity and reality its compatibility with the orders of classical philosophy present past and future and with the disputed idea of free will volume 1 they also present a detailed and updated state of the role of time in the so called exact sciences biology or more precisely genetics evolution neurosciences natural and artificial intelligence volume 2 and physics relativity quantum mechanics and quantum gravity and cosmology volume 3

The Time And Science - Volume 1: Metaphysics Of Time And Its Evolution

2023-06-22

in this volume 12 eminent scientists and philosophers engage in fundamental perennial questions about time does time exist is time a single or multiple entity is it possible to reconcile contradictory notions of time such as subjective and objective metaphysics and physics mctaggart s a series and b series or presentism and eternalism does the special theory of relativity dictate a static deterministic account of reality block universe or does it allow for free will how did the concept of geologic time originate and what are the limits of its knowledge how is the anthropocene defined each author examines these questions from the point of view of their own specialties but without ignoring the metaphysical importance of the issue nor the possibility that scientific advances might enforce revisions of our brain intuitive judgments

Chemical news and Journal of physical science

1863

a revealing and provocative look at the current state of global science we take the advance of science as given but how does science really work is it truly as healthy as we tend to think how does the system itself shape what scientists do the secret life of science takes a clear eyed and provocative look at the current state of global science shedding light on a cutthroat and tightly tensioned enterprise that even scientists themselves often don't fully understand the secret life of science is a dispatch from the front lines of modern science it paints a startling picture of a complex scientific ecosystem that has become the most competitive free market environment on the planet it reveals how big this ecosystem really is what motivates its participants and who reaps the rewards are there too few scientists in the world or too many are some fields expanding at the expense of others what science is shared or published and who determines what the public gets to hear about

what is the future of science answering these and other questions this controversial book explains why globalization is not necessarily good for science nor is the continued growth in the number of scientists it portrays a scientific community engaged in a race for limited resources that determines whether careers are lost or won whose research visions become the mainstream and whose vested interests end up in control the secret life of science explains why this hypercompetitive environment is stifling the diversity of research and the resiliency of science itself and why new ideas are needed to ensure that the scientific enterprise remains healthy and vibrant

The Chemical News and Journal of Industrial Science

1863

this open access book provides a theoretical framework and case studies on decision science for regional sustainability by integrating the natural and social sciences the cases discussed include solution oriented transdisciplinary studies on the environment disasters health governance and human cooperation based on these case studies and comprehensive reviews of relevant works including lessons learned from past failures for predictable surprises and successes in adaptive comanagement the book provides the reader with new perspectives on how we can co design collaborative projects with various conflicts of interest and how we can transform our society for a sustainable future the book makes a valuable contribution to the global research initiative future earth promoting transdisciplinary studies to bridge the gap between science and society in knowledge generation processes and supporting efforts to achieve the un s sustainable development goals sdgs compared to other publications on transdisciplinary studies this book is unique in that evolutionary biology is used as an integrator for various areas related to human decision making and approaches social changes as processes of adaptive learning and evolution given its scope the book is highly recommended to all readers seeking an integrated overview of human decision making in the context of social transformation

The Secret Life of Science

2018-05-15

the last quarter century has seen a broad but qualified belief in the efficacy of market organization slide into an unyielding dogma that the market as unconstrained as possible is the best way to govern virtually all economic activity however unrestricted markets can often lead to gross inequalities in access to important resources the creation of monopolies and other negative effects that require regulation or public subsidies to remedy in the limits of market organization editor richard nelson and a group of economic experts take a more sophisticated look at the public private debate noting where markets are useful where they can be effective only if augmented by non market mechanisms and where they are simply inappropriate the limits of market organization examines the appropriateness of markets in four areas where support for privatization varies widely human services public utilities science and technology and activities where market involvement is altogether inappropriate richard murnane makes the case that a social interest in providing equal access to high quality education means that for school voucher plans to be effective substantial government oversight is necessary federal involvement in a transcontinental railroad system was initially applauded but recent financial troubles at amtrak have prompted many to call for privatization of the rails yet contributor elliot sclar argues that public subsidies are the only way to maintain this vital part of the american transportation infrastructure while market principles can promote competition and foster innovation applying them in certain areas can actually stifle progress nelson argues that aggressive patenting has hindered scientific research by restricting access to tools and processes that could be used to generate new findings he suggests that some kind of exception to patent law should be made for scientists who seek to build off of patented findings and then put their research results into the public domain in other spheres market organization is a

political process and profiles the successes and failures of campaign finance reform in preventing parties from buying political influence this important volume shows that market organization has its virtues but also its drawbacks just as regulation can be over applied so too can market principles the limits of market organization encourages readers to think more discriminately about the march toward privatization and to remember the importance of public institutions

Decision Science for Future Earth

2021-01-29

The American Journal of Science

1885

this invaluable volume set of advances in geosciences continues the excellent tradition of the asia oceania scientific community in providing the most up to date research results on a wide range of geosciences and environmental science the information is vital to the understanding of the effects of climate change extreme weathers on the most populated regions and fastest moving economies in the world besides these volumes also highlight original papers from many prestigious research institutions which are conducting cutting edge studies in atmospheric physics hydrological science and water resource ocean science and coastal study planetary exploration and solar system science seismology tsunamis upper atmospheric physics and space science

The Limits of Market Organization

2005-03-24

over the past five decades the field of religion and science scholarship has experienced a considerable expansion this volume explores the historical and contemporary perspectives of the relationship between religion technology and science with a focus on south and east asia these three areas are not seen as monolithic entities but as discursive fields embedded in dynamic processes of cultural exchange and transformation bridging these arenas of knowledge and practice traditionally seen as distinct and disconnected the book reflects on the ways of exploring the various dimensions of their interconnection through its various chapters the collection provides an examination of the use of modern scientific concepts in the theologies of new religious organizations and challenges the traditional notions of space by western scientific conceptions in the 19th century it looks at the synthesis of ritual elements and medical treatment in china and india and at new funeral practices in japan it discusses the intersections between contemporary western buddhism modern technology and global culture and goes on to look at women s rights in contemporary pakistani media using case studies grounded in carefully delineated temporal and regional frameworks chapters are grouped in two sections one on religion and science and another on religion and technology illustrating the manifold perspectives and the potential for further research and discussion this book is an important contribution to the studies of asian religion science and technology and religion and philosophy



2018-02-16

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1972

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The American Journal of Science and Arts

1886

this contemporary guide is packed full of expert tips and suggestions which will make the reader think in a fresh creative and novel way about writing and publishing science

Planetary Science (PS)

2011-07-13

mapped to the latest cambridge a level physics syllabus 9702 this comprehensive resource supports students with its stretching problem solving approach it helps foster long term performance in science as well as building their confidence for the cambridge examinations the practical approach helps to make science meaningful so it is ideal for students planning to study science at university includes support for the new key concepts developing cambridge students subject knowledge and encouraging them to make links between topics

American Journal of Science

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1869

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