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Case Studies in Geospatial Applications to Groundwater Resources Remote Sensing and Geographic Information Systems for Policy Decision Support Geoecology of Landscape Dynamics Advancements in Science and Technology for Healthcare, Agriculture, and Environmental Sustainability System Reliability and Security Image Processing in Renewable: Energy Resources Opportunities and Challenges Climate Impacts on Sustainable Natural Resource Management Smart Technologies for Energy, Environment and Sustainable Development, Vol 1 ICSBE 2020 Geospatial Technology for Landscape and Environmental Management Map Librarianship Hydrology and Hydrologic Modelling Big Data in Education Gully Erosion Studies from India and Surrounding Regions Multisensor Data Fusion and Machine Learning for Environmental Remote Sensing Spatial Information Science for Natural Resource Management Urban Environment and Smart Cities in Asian Countries Foundations and Frontiers in Computer, Communication and Electrical Engineering Urban Ecology and Global Climate Change Hyperspectral Remote Sensing Chemical Heroes River Conservation and Water Resource Management Organizing Creativity A World with Robots Agriculture and Climatic Issues in South Asia From Science to Society Security-Related Advanced Technologies in Critical Infrastructure Protection Anthropogeomorphology Fighting the White Knight SALON (2015) 4 Big Data and Knowledge Sharing in Virtual Organizations Advances in Networks, Intelligence and Computing Anyone Can Code The Well-Connected Community Ethnopharmacology and Biodiversity of Medicinal Plants High Spatial Resolution Remote Sensing The Art of the Creative Commons

Handbook of Blockchain, Digital Finance, and Inclusion International Journal of Advanced Remote Sensing and GIS

Case Studies in Geospatial Applications to Groundwater Resources 2022-10-21

case studies in geospatial applications to groundwater resources provides thorough the most up to date techniques in gis and geostatistics as they relate to groundwater through detailed case studies that prove real world applications of remote sensing applications to this subject groundwater is the primary source of fresh water in many parts of the world while some regions are becoming overly dependent on it consuming groundwater faster than it is naturally replenished and causing water tables to decline unremittingly india is the largest user of groundwater in the world followed by china and the usa with developing countries using groundwater at an unsustainable rate systematic planning of groundwater usage using modern techniques is essential for the proper utilization management and modeling of this precious but shrinking natural resource with the advent of powerful and highspeed personal computers efficient techniques for water management have evolved of which remote sensing gis geographic information systems gps global positioning systems and geostatistical techniques are of great significance this book advances the scientific understanding development and application of geospatial technologies related to water resource management case studies in geospatial applications to groundwater resources is a valuable reference for researchers and postgraduate students in earth and environmental sciences especially gis agriculture hydrology natural resources and soil science who need to be able to apply the latest technologies in groundwater research in a practical manner provides detailed case studies on groundwater resources around the world including regions with highest groundwater resource use covers modern remote sensing and geostatistical technique based groundwater resource mapping monitoring and modelling describes novel region specific management strategies

and techniques for sustainability with case studies to illustrate effectiveness includes practical coverage of the use of geospatial analysis techniques in groundwater resources

Remote Sensing and Geographic Information Systems for Policy Decision Support 2022-04-24

the management of data to understand complex and interwoven processes of sustainable development has been a great challenge for researchers planners and decision makers remote sensing and gis based policy decision support systems not only help them to solve spatially related environmental and socio economic issues they also provide a powerful tool for integrating spatial and non spatial datasets with analytical and spatial models and knowledge domains recent advances in the modern spatial tools of remote sensing and gis combined with advanced computation techniques have enhanced the efficiency and capabilities of policy development this book expands the scientific knowledge base in various physical and socio economic issues among scholars planners and decision makers for policy development and research regarding sustainable development it also demonstrates the importance of modern spatial decision support tools of remote sensing and gis to better understand sustainable development processes and policy development furthermore the book discusses case studies providing new insights as to how remote sensing and gis based decision support systems contribute to understanding physical and socio economic processes and developing pragmatic policy for sustainable development this book covers land surface temperature hydrological processes terrain mapping flood and landslide hazards land use and land cover dynamics crime hotspots urban health issues tourism agriculture forest management flood mitigation urban sprawl and village information systems among others readers will find this book to be an invaluable resource for understanding and solving diverse physical and

human issues for policy development related to sustainable planning and management

Geocology of Landscape Dynamics 2020-03-03

this book provides an overview of the ecological indicators of landscape dynamics in the context of geographical landscape integration landscape dynamics depicts every change that occurs in the physical biological and cognitive assets of a landscape to understand and interpret the complex physical biological and cognitive phenomena of landscapes it is necessary to operate conceptually and practically on a broad range of spatial and temporal scales rapid land use changes have become a concern to environmentalists and planners because of their impacts on the natural ecosystem which further determines socioeconomic dynamics in this regard the book discusses case studies that share new insights into how landscape patterns and processes impact small creatures and how small creatures in turn influence landscape structure and composition in turn the relevant aspects of land use and land cover dynamics are covered and the multi faceted relationship between the substrata and ecological community is highlighted the book is unique in its focus on the application of spatial informatics such as automatic building extraction from high resolution imagery a soil resource inventory for meeting the challenges of land degradation hydrological modeling the temporal variation analysis of glacier area and the identification and mapping of glacial lakes morphometric analysis of river basins and the monitoring and modeling of urban sprawl among other features

Advancements in Science and Technology for Healthcare, Agriculture, and Environmental Sustainability 2024-06-13

this book is the collection of selected articles that appeared at the first international analytics conference 2023 held in hyderabad in virtual mode on february 2nd the 3rd 2023 this informative volume offers a window into recent breakthroughs shaping healthcare agriculture and environmental sustainability it showcases the cutting edge developments in these essential fields explore the progress in healthcare from personalized medicine to telemedicine and innovative treatments demonstrating how technology is enhancing patient care and transforming global health dive into the agricultural sector where precision farming genetic engineering and sustainable practices are revolutionizing food production science and innovation play a key role in building a more resilient and food secure future

System Reliability and Security 2023-12-07

because of the growing reliance on software concerns are growing as to how reliable a system is before it is commissioned for use how high the level of reliability is in the system and how many vulnerabilities exist in the system before its operationalization equally pressing issues include how to secure the system from internal and external security threats that may exist in the face of resident vulnerabilities these two problems are considered increasingly important because they necessitate the development of tools and techniques capable of analyzing dependability and security aspects of a system these concerns become more pronounced in the cases of safety critical and mission critical systems system reliability and security techniques and methodologies focuses

on the use of soft computing techniques and analytical techniques in the modeling and analysis of dependable and secure systems it examines systems and applications having complex distributed or networked architectures in such fields as nuclear energy ground transportation systems air traffic control healthcare and medicine communications system reliability engineering is a multidisciplinary field that uses computational methods for estimating or predicting the reliability aspects of a system and analyzing failure data obtained from real world projects system security is a related field that ensures that even a reliable system is secure against accidental or deliberate intrusions and is free of vulnerabilities this book covers tools and techniques cutting edge research topics and methodologies in the areas of system reliability and security it examines prediction models and methods as well as how to secure a system as it is being developed

Image Processing in Renewable: Energy Resources Opportunities and Challenges 2022-01-04

this book is a compilation of innovative work on image processing applications for renewable energy systems the chapters in the book describe the use of neural networks in multi direction dynamic topographical data frameworks which are designed to account for the distinctive contemporary issues faced when managing environmentally friendly power generation systems the topics covered include uncertainty analysis methods computing technologies automated control systems performance analysis riverfront analysis through image processing and solar power estimation methods to name a few the information is also complemented with a review of problems in the electric power sector in india this book is beneficial for professionals and researchers who work on hybrid techniques of gis remote sensing image processing and the implementation of these techniques for utilizing renewable energy resources engineers who work on advanced algorithms

for renewable energy applications will also get an updated perspective about relevant innovations in this industrial sector

Climate Impacts on Sustainable Natural Resource Management 2021-11-16

climate impacts on sustainable natural resource management climate change has emerged as one of the predominant global concerns of the 21st century statistics show that the average surface temperature of the earth has increased by about 1.8 °C since the late 19th century and the sea levels are rising due to the melting of glaciers further rise in the global temperature will have dire consequences for the survival of humans on the planet earth there is a need to monitor climatic data and associated drivers of changes to develop sustainable planning the anthropogenic activities that are linked to climate change need scientific evaluation and must be curtailed before it is too late this book contributes significantly in the field of sustainable natural resource management linked to climate change up to date research findings from developing and developed countries like india indonesia japan malaysia sri lanka and the usa have been presented through selected case studies covering different thematic areas the book has been organised into six major themes of sustainable natural resource management determinants of forest productivity agriculture and climate change water resource management and riverine health climate change threat on natural resources and linkages between natural resources and biotic abiotic stressors to develop the concept and to present the findings in a way that is useful for a wide range of readers while the range of applications and innovative techniques is constantly increasing this book provides a summary of findings to provide the updated information this book will be of interest to researchers and practitioners in the field of environmental sciences remote sensing geographical information

system meteorology sociology and policy studies related to natural resource management and climate change

Smart Technologies for Energy, Environment and Sustainable Development, Vol 1 2022-02-25

this book contains select proceedings of the international conference on smart technologies for energy environment and sustainable development icsteesd 2020 the book is broadly divided into the themes of energy environment and sustainable development and discusses the significance and solicitations of intelligent technologies in the domain of energy and environmental systems engineering topics covered in this book include sustainable energy systems including renewable technologies energy efficiency techno economics of energy system and policies integrated energy system planning environmental management energy efficient buildings and communities sustainable transportation smart manufacturing processes etc the book will be a valuable reference for young researchers professionals and policy makers working in the areas of energy environment and sustainable development

ICSBE 2020 2021-10-24

this book highlights the latest knowledge and innovations in the field of civil engineering and construction industry striving for a sustainable built environment it includes recent innovative findings from the proceedings of the 11th icsbe 2020 under the themes of sustainable tall buildings sustainable bridge construction and maintenance waste in construction industry sustainable

manufacturing and recycling disaster risk reduction for sustainable built environment green innovations and entrepreneurship sustainable water management in developing countries water pollution and ckdu sustainable urban environment and social well being and many greener and sustainable resource and energy efficient innovative research findings

Geospatial Technology for Landscape and Environmental Management 2022-01-11

geospatial technology is a combination of state of the art remote sensing and technology for geographic information systems gis and global navigation satellite systems gnss for the mapping and monitoring of landscapes and environment the main thrust of using geospatial technology is to understand the causes mechanisms and consequences of spatial heterogeneity while its ultimate objective is to provide a scientific basis for developing and maintaining ecologically economically and socially sustainable landscapes this book presents new research on the interdisciplinary applications of geospatial technology for identification assessment monitoring and modelling issues related to landscape natural resources and environmental management the book specifically focuses on the creation collection storage processing modelling interpretation display and dissemination of spatio temporal data which help to resolve environmental management issues including ecosystem change resource utilization land use management and environmental pollution the positive environmental impacts of information technology advancements with regard to global environmental and climate change are also discussed the book addresses the interests of a wide spectrum of readers who have a common interest in geospatial science geology water resource management database management planning and policy making and resource management

Map Librarianship 2016-11-04

map librarianship identifies basic geoliteracy concepts and enhances reference and instruction skills by providing details on finding downloading delivering and assessing maps remotely sensed imagery and other geospatial resources and services primarily from trusted government sources by offering descriptions of traditional maps geographic information systems gis remote sensing and other geospatial technologies the book provides a timely and practical guide for the map and geospatial librarian to blend confidence in traditional library skill sets includes rarely discussed concepts of citing and referencing maps and geospatial data fair use and copyright creates an awareness and appreciation of existing print map collections while building digital stewardship with surrogate map and aerial imagery collections provides an introduction to the theory and applications of gis remote sensing participatory neogeography and neocartography practices and other geospatial technologies includes a list of geospatial resources with descriptions and illustrations of commonly used map types and formats online geospatial data sources and an introduction to the most commonly used geospatial software packages available on both desktop and mobile platforms

Hydrology and Hydrologic Modelling 2023-05-01

this book comprises the proceedings of the 26th international conference on hydraulics water resources and coastal engineering hydro 2021 focusing on broad spectrum of emerging opportunities and challenges in the field of hydrology and hydrological modelling it covers a range of topics including but not limited to ground water modelling and management integrated water resources and watershed management surface water hydrology drought assessment and mitigation

risk reliability and design of hydrologic system etc presenting recent advances in the form of illustrations tables and text it offers readers insights for their own research in addition the book addresses fundamental concepts and studies in the field of hydrology and hydrological modelling making it a valuable resource for both beginners and researchers wanting to further their understanding of hydraulics water resources and coastal engineering

□□□□□□□□□□ **2015**

this cutting edge overview explores big data and the related topic of computer code examining the implications for education and schooling for today and the near future

Big Data in Education 2017-07-24

this book offers the scientific basis for the ample evaluation of badland management in india and some surrounding regions it examines the processes operating in the headwaters and main channels of ephemeral rivers in lateritic environments of india in particular the book covers a range of vital topics in the areas of gully erosion and water to soil erosion at lateritic uplands regions of india and other regions in asia it explores the probable gully erosion modeling through remote sensing gis techniques it is divided into three units unit i deals with the introduction of badland types of badland and the process of badland formation unit ii is devoted to a description of quantitative measurements unit iii deals with the control and management processes related to various issues from different regions as such this book serves as a reference book for research activities in this area it is an efficient guide for aspiring researchers in applied geography explaining advanced techniques to help students recognize both simple and complex concepts

Gully Erosion Studies from India and Surrounding Regions **2019-11-19**

in the last few years the scientific community has realized that obtaining a better understanding of interactions between natural systems and the man made environment across different scales demands more research efforts in remote sensing an integrated earth system observatory that merges surface based air borne space borne and even underground sensors with comprehensive and predictive capabilities indicates promise for revolutionizing the study of global water energy and carbon cycles as well as land use and land cover changes the aim of this book is to present a suite of relevant concepts tools and methods of integrated multisensor data fusion and machine learning technologies to promote environmental sustainability the process of machine learning for intelligent feature extraction consists of regular deep and fast learning algorithms the niche for integrating data fusion and machine learning for remote sensing rests upon the creation of a new scientific architecture in remote sensing science that is designed to support numerical as well as symbolic feature extraction managed by several cognitively oriented machine learning tasks at finer scales by grouping a suite of satellites with similar nature in platform design data merging may come to help for cloudy pixel reconstruction over the space domain or concatenation of time series images over the time domain or even both simultaneously organized in 5 parts from fundamental principles of remote sensing feature extraction for remote sensing image and data fusion for remote sensing integrated data merging data reconstruction data fusion and machine learning to remote sensing for environmental decision analysis the book will be a useful reference for graduate students academic scholars and working professionals who are involved in the study of earth systems and the environment for a sustainable future the new knowledge in this book can be

applied successfully in many areas of environmental science and engineering

Multisensor Data Fusion and Machine Learning for Environmental Remote Sensing *2018-02-21*

stress on natural resources has recently increased due to commercialization and the need to provide livelihoods for locals because they are such core parts of everyday life ensuring sustainability in resource management is of paramount importance only by integrating the tools of spatial information science can an effective course for preserving and protecting natural resources be created spatial information science for natural resource management is a pivotal reference source that explores coordinated approaches to sustainable development and management of natural resources to keep a balance of the environment ecology and human livelihood featuring coverage on a wide range of topics including crop yield estimation ecosystem services and land information systems this book covers interdisciplinary techniques in monitoring and managing natural resources this publication is ideally designed for urban planners environmentalists policymakers ecologists researchers academicians students and professionals in the fields of remote sensing civil engineering social science computer science and information technology

Spatial Information Science for Natural Resource Management *2020-06-26*

this book offers a thorough description of the challenges posed by increasing global urbanization in addition comprehensive perspectives are offered on how the contemporary urban challenges of our

time are tackled by existing designers architects urban planners and landscape architects thereby considering climate change migration resilience politics and environmental degradation it includes insights from environmental design geography strategic planning and engineering design it goes beyond the jargon of technical innovation and exposes the political social and physical effects of digitalizing the world in smart cities the book focuses on the application of geospatial technology of smart cities including system design for basic services real time control and the internet of things it highlights the planning of land use strategic development and ecosystem based knowledge to enhance economic growth and healthy urban environment and smart city management the book also shows the contradictory aspects of smart city studies and provides useful insights into the creation and execution of policies to strengthen decision making processes in smart cities this book leads the reader to a greater understanding of smart city growth both theoretical and realistic and as such it provides an interesting read for urban geographers urban designers and planners environmental specialists practitioners students

Urban Environment and Smart Cities in Asian Countries

2023-05-27

the 3rd international conference on foundations and frontiers in computer communication and electrical engineering is a notable event which brings together academia researchers engineers and students in the fields of electronics and communication computer and electrical engineering making the conference a perfect platform to share experience f

Foundations and Frontiers in Computer, Communication and Electrical Engineering 2016-05-05

urban ecology and global climate change urban ecology and global climate change contains the latest practical and theoretical concepts of the emerging issues in urban ecological studies the authors highlight some of the major challenges currently impeding ecological restoration goals in urbanized regions across the globe it is sobering that the majority of sustainable development projects are being defeated by the increasing pace of two particular phenomena namely climate change and urbanization this book includes coverage of the major threats to biodiversity conservation and the most significant contributors to the deterioration of urban ecosystems in addition various case studies that reflect the anthropogenic interventions on ecological restoration are included the book looks at evolving growth and urbanization concepts monitoring of urbanization trends land use land cover lulc changes in urban and non urban cities based on the use of open access data urbanization affecting rural ecology soil carbon emissions urban development human well being and case studies of sustainable smart cities urban ecology and global climate change will find an appreciative audience amongst students of urban ecology and environmental policy as well as policymakers scientists and industrialists the book provides an excellent introduction to the principles of smart city planning and urban sustainability with a view to maintaining ecological and conservation status of urban environments

Urban Ecology and Global Climate Change 2022-04-04

advanced imaging spectral technology and hyperspectral analysis techniques for multiple

applications are the key features of the book this book will present in one volume complete solutions from concepts fundamentals and methods of acquisition of hyperspectral data to analyses and applications of the data in a very coherent manner it will help readers to fully understand basic theories of hrs how to utilize various field spectrometers and bioinstruments the importance of radiometric correction and atmospheric correction the use of analysis tools and software and determine what to do with hrs technology and data

Hyperspectral Remote Sensing 2017-08-16

in chemical heroes andrew bickford analyzes the us military s attempts to design performance enhancement technologies and create pharmacological supersoldiers capable of withstanding extreme trauma bickford traces the deep history of efforts to biologically fortify and extend the health and lethal power of soldiers from the cold war era into the twenty first century from early adoptions of mandatory immunizations to bio protective gear to the development and spread of new performance enhancing drugs during the global war on terrorism in his examination of government efforts to alter soldiers bodies through new technologies bickford invites us to contemplate what constitutes heroism when armor becomes built in wired in and even edited into the molecular being of an american soldier lurking in the background and dark recesses of all us military enhancement research bickford demonstrates is the desire to preserve us military and imperial power

Chemical Heroes 2020-11-16

this book presents an up to date systematic and scientific analysis of water resource problems in india and suggests measures to overcome them through effective water management in addition

the book provides an overview of how changes in legislation policies institutional responsibilities science technology practical techniques and public perception have influenced the ways of river management over the past years river water conservation is a planned activity connected with various habitat features and outlines how to conserve all river water spread across the world the restoration and conservation of river water must be of the highest priority for sustaining humanity and ecology for the present and future generations in order to solve the water problems conservation and recycling of water should be made mandatory for all domestic industrial and agricultural projects apart from the priority to watershed development rainwater harvesting and other appropriate conservation measures should be adopted to create awareness among the public so that their mind set attitudes and habits change proactively and they adopt sustainable practices rather than wait for legislation and regulations the book augments the knowledge base of behaviour of rivers and evaluates the issues related to rivers so as to develop river system management techniques emerging from in depth scientific analyses it is useful for students researchers water resource managers hydrologists and all those who are engaged or interested in any aspect of river water conservation and management of water resources in the country

River Conservation and Water Resource Management

2023-06-27

this book contains the proceedings of the international conference on robot ethics held in lisbon on october 23 and 24 2015 the conference provided a multidisciplinary forum for discussing central and evolving issues concerning safety and ethics that have arisen in various contexts where robotic technologies are being applied the papers are intended to promote the formulation of more precise safety standards and ethical frameworks for the rapidly changing field of robotic applications the

conference was held at pavilhão do conhecimento ciência viva in lisbon and brought together leading researchers and industry representatives promoting a dialogue that combines different perspectives and experiences to arrive at viable solutions for ethical problems in the context of robotics the conference topics included but were not limited to emerging ethical safety legal and societal problems in the following domains service social robots robots performing tasks in human environments and involving close human robot interactions in everyday households robots for education and entertainment and robots employed in elderly and other care applications mobile robots self driving vehicles autonomous aircraft trains cars and drones robots used in medicine and for therapeutic purposes robots used in surveillance and military functions

Organizing Creativity 2023-10-05

this book presents focussed information related to dynamic cropland transformation agriculture development climate change and environment with the application of advance geospatial technology it describes research using geospatial tools and techniques to develop the models design and planning for agricultural land use optimization especially in south asian countries it covers agriculture production water scarcity industrial development natural resources environmental degradation and sustainable development features provides the adaptation strategy from a multidisciplinary resilience perspective addresses contemporary agricultural resilience to various climate change issues develops novel approaches for sustainability with environmentally sound practices discusses methodological and innovative approaches at local to global perspective reports research using geospatial tools and techniques to develop the models design and planning for agricultural land use optimization the book is aimed at researchers professionals and graduate students in gis environmental engineering geography agriculture and climate studies

A World with Robots 2017-01-05

this book presents the latest findings and ongoing research in connection with green information systems and green information communication technology ict it provides valuable insights into a broad range of cross cutting concerns in ict and the environmental sciences and showcases how ict can be used to effectively address environmental and energy efficiency issues offering a selection of extended contributions to the 31st international conference enviroinfo 2017 it is essential reading for anyone looking to expand their expertise in the area

Agriculture and Climatic Issues in South Asia 2023-12-22

this book collects the latest research results on security related advanced technologies the chapters contain relevant and interesting topics from numerous research data science and artificial intelligence research nowadays one of the most important topics for the industry and the security sectors the autonomy and counter autonomy research topic are also very interesting autonomous cars have become a part of the common days but their safe and secure application is not assured the research results in this field want to support and assure safe and secure autonomous applications in our quotidian life also the safe and secure robotics in the industries and the defence assure a high standard of living and the given research results in this area can use to increase it the researchers work on it and publish the results that can be interesting for the other researchers and the innovators but also the industrial part members the researchers work on it and publish the results that can be interesting for the other researchers and the innovators but also the industrial part members communication is a part of our life but the communication systems mesh all around the world communication is the basis of modern life because without it life stop one other

interesting and very important research area is the material sciences virtual life cannot exist without hardware and materials the new technical applications require new materials that can suffice the mechanical and physical chemical properties demand nowadays a common requirement of the materials the high strength and lightweight researchers want to serve the industrial requests and innovate new composite materials or increase the properties of the material through a new technological process the authors publish the latest results of the security related research area including the newest innovations and technologies which rise the interest of the defence and the modern industries even the interest of other researchers

From Science to Society 2017-08-23

this book explores state of art techniques based on open source software and statistical programming and modelling in modern geospatial applications specifically focusing on recent trends in data mining techniques and robust modelling in geomorphological hydrological bio physical and social activities the book is organized into physical mountainous coastal riverine forest urban and biological activities with each chapter providing a review of the current knowledge in the focus area and evaluating where future efforts should be directed the text compiles a collection of recent developments and rigorous applications of geospatial computational intelligence e g artificial neural network spatial interpolation physical and environmental modelling and machine learning algorithms etc in geomorphic processes from a team of expert contributors the authors address the wide range of challenges and uncertainties in the study of earth system dynamics due to climate change and complex anthropogenic interferences where spatial modelling may be applied in the risk assessment of vulnerable geomorphological landscapes the book will act as a guide to find recent advancements in geospatial artificial intelligence techniques and its application

to natural and social hazards this information will be helpful for students researchers policy makers environmentalists planners involved in natural hazard and disaster management ngos and government organizations

Security-Related Advanced Technologies in Critical Infrastructure Protection 2022-09-05

in her final year of teaching jocelyn turner spent over one fifth of each week administering mandatory tests and quizzes she spent the remaining time preparing students to take those specific exams regardless of the background knowledge and preparedness of individual students while she was testing she could not teach teachers were expected to present the same common core based grade specific material to all their students at the same time whether jake was reading at a first grade level or taylor at a ninth grade level it was a rare and lucky child who fit the profile of the year s onslaught of tests since no child left behind us schools have been burying students in tests and then drawing often misguided conclusions when sometimes the only conclusion anyone ought to draw is that student x obviously spent hours staring at a set of questions he or she did not understand and maybe could not even read we have been told that us education is in crisis ms turner agrees in fighting the white knight she argues that government mandates created and are now perpetuating this crisis depriving children of remedial learning instruction time and personal attention fighting the white knight also looks at the 1 6 trillion student debt crisis a consequence of today s single minded college bound pipeline vocabulary deficits left to fester due to narrowly targeted curricula and the sneaky gutting of elective vocational technical and gifted education ms turner concludes by advocating for changes she believes can rescue american education guiding children back to the safe inspirational learning experiences of a more student focused time

□□□ **SALON (□□□) 2015** □ 4□□ **2015-03-20**

the year 2023 marks the 100th birth anniversary of e f codd 19 august 1923 18 april 2003 a computer scientist who while working for ibm invented the relational model for database management the theoretical basis for relational databases and relational database management systems he made other valuable contributions to computer science but the relational model a very influential general theory of data management remains his most mentioned analyzed and celebrated achievement school of computer application under the aegis of lovely professional university pays homage to this great scientist of all times by hosting codd100 international conference on networks intelligence and computing iconic 2023

Big Data and Knowledge Sharing in Virtual Organizations **2019-01-25**

anyone can code the art and science of logical creativity introduces computer programming as a way of problem solving through logical thinking it uses the notion of modularization as a central lens through which we can make sense of many software concepts this book takes the reader through fundamental concepts in programming by illustrating them in three different and distinct languages c c python and javascript key features focuses on problem solving and algorithmic thinking instead of programming functions syntax and libraries includes engaging examples including video games and visual effects provides exercises and reflective questions this book gives beginner and intermediate learners a strong understanding of what they are doing so that they can do it better and with any other tool or language that they may end up using later

Advances in Networks, Intelligence and Computing

2024-05-24

there is growing recognition in practice and policy of how networking contributes to the vitality and cohesion of community life and civil society the well connected community provides theoretical insights and practical guidance for people working with and for communities this updated edition takes account of the changing political and economic context including rising social inequalities and community tensions it considers new approaches to well being such as social prescribing and the use of social media for local and global organising this model of community development explains and promotes networking as a skilled and strategic intervention and provides recommendations for good practice

Anyone Can Code 2020-11-23

ethnopharmacology and biodiversity of medicinal plants provides a multitude of contemporary views on the diversity of medicinal plants discussing both their traditional uses and therapeutic claims this book emphasizes the importance of cataloging ethnomedical information as well as examining and preserving the diversity of traditional medicines it also discusses the challenges present with limited access to modern medicine and the ways in which research can be conducted to enhance these modern practices the book also explores the conservation procedures for endangered plant species and discusses their relevance to ethnopharmacology each chapter of this book relays the research of experts in the field who conducted research in diverse landscapes of india providing a detailed account of the basic and applied approaches of ethnobotany and

ethnopharmacology the book reviews multiple processes pertaining to medicinal plants such as collecting the traditional therapeutic values and validation methods it also explores developments in the field such as the diversity and medicinal potential of unexplored plant species and applications in drug formulation to fight against anti microbial resistance amr

The Well-Connected Community 2019-09-18

high spatial resolution remote sensing is an area of considerable current interest and builds on developments in object based image analysis commercial high resolution satellite sensors and uavs it captures more details through high and very high resolution images 10 to 100 cm pixel this unprecedented level of detail offers the potential extraction of a range of multi resource management information such as precision farming invasive and endangered vegetative species delineation forest gap sizes and distribution locations of highly valued habitats or sub canopy topographic information information extracted in high spatial remote sensing data right after a devastating earthquake can help assess the damage to roads and buildings and aid in emergency planning for contact and evacuation to effectively utilize information contained in high spatial resolution imagery high spatial resolution remote sensing data analysis and applications addresses some key questions what are the challenges of using new sensors and new platforms what are the cutting edge methods for fine level information extraction from high spatial resolution images how can high spatial resolution data improve the quantification and characterization of physical environmental or human patterns and processes the answers are built in three separate parts 1 data acquisition and preprocessing 2 algorithms and techniques and 3 case studies and applications they discuss the opportunities and challenges of using new sensors and platforms and high spatial resolution remote sensing data and recent developments with a focus on uavs this work addresses

the issues related to high spatial image processing and introduces cutting edge methods summarizes state of the art high spatial resolution applications and demonstrates how high spatial resolution remote sensing can support the extraction of detailed information needed in different systems using various high spatial resolution data the third part of this book covers a range of unique applications from grasslands to wetlands karst areas and cherry orchard trees

Ethnopharmacology and Biodiversity of Medicinal Plants

2019-08-05

the art of the creative commons is a book about peer to peer production providing a unique model of commons from the creative industries

High Spatial Resolution Remote Sensing 2018-06-27

handbook of digital finance and financial inclusion cryptocurrency fintech insurtech regulation chinattech mobile security and distributed ledger explores recent advances in digital banking and cryptocurrency emphasizing mobile technology and evolving uses of cryptocurrencies as financial assets contributors go beyond summaries of standard models to describe new banking business models that will be sustainable and likely to dictate the future of finance the book not only emphasizes the financial opportunities made possible by digital banking such as financial inclusion and impact investing but also looks at engineering theories and developments that encourage innovation its ability to illuminate present potential and future possibilities make it a unique contribution to the literature a companion volume two of the handbook of digital banking and

financial inclusion chinatech mobile security distributed ledger and blockchain emphasizes technological developments that introduce the future of finance descriptions of recent innovations lay the foundations for explorations of feasible solutions for banks and startups to grow the combination of studies on blockchain technologies and applications regional financial inclusion movements advances in chinese finance and security issues delivers a grand perspective on both changing industries and lifestyles written for students and practitioners it helps lead the way to future possibilities explains the practical consequences of both technologies and economics to readers who want to learn about subjects related to their specialties encompasses alternative finance financial inclusion impact investing decentralized consensus ledger and applied cryptography provides the only advanced methodical summary of these subjects available today

The Art of the Creative Commons 2022-05-09

international journal of advanced remote sensing and gis ijarsg issn 2320 0243 is an open access peer reviewed scholarly journal publishes original research papers reviews case study case reports and methodology articles in all aspects of remote sensing and gis including associated fields this journal commits to working for quality and transparency in its publishing by following standard publication ethics and policies

Handbook of Blockchain, Digital Finance, and Inclusion 2017-09-29

International Journal of Advanced Remote Sensing and GIS
2012-01-01

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