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Transition to HDTV Jul 13 2021
 Recent Developments in Artificial Intelligence and Communication Technologies Mar 21 2022 This book is a review of recent artificial intelligence approaches, initiatives and applications in engineering and science fields. It features contributions that highlight the use of techniques such as machine learning, mining engineering, modeling and simulation, and fuzzy logic methods in the fields of communication, networking and information engineering. The collection of chapters should inspire scholars involved in theoretical and applied sciences to contribute to research using computational intelligence principles and methods in their respective research communities. Professionals working on systems engineering, communications, innovative computing systems and adaptive technologies for sustainable growth, will also be able to benefit from the information provided in the book.
 Progress in Cultural Heritage Preservation Jul 25 2022 This book constitutes the refereed proceedings of the 4th International Conference on Progress in Cultural Heritage Preservation, EuroMed 2012, held in Lemesos, Cyprus, in October/November 2012. The 95 revised full papers were carefully reviewed and selected from 392 submissions. The papers are organized in topical sections on digital data acquisition technologies and data processing in cultural heritage, 2D and 3D data capture methodologies and data processing in cultural heritage, 2D and 3D GIS in cultural heritage, virtual reality in archaeology and historical research, standards, metadata, ontologies and semantic processing in cultural heritage, data management, archiving and presentation of cultural heritage content, ICT assistance in monitoring and restoration, innovative topics related to the current and future implementation, use, development and exploitation of the EU CH identity card, innovative technologies to asses, monitor and adapt to climate change, digital data acquisition technologies and data processing in cultural heritage, 2D and 3D data capture methodologies and data processing in cultural heritage, on-site and remotely sensed data collection, reproduction techniques and rapid prototyping in cultural heritage, 2D and 3D GIS in cultural heritage, innovative graphics applications and techniques, libraries and archives in cultural heritage, tools for education, documentation and training in CH, standards, metadata, ontologies and semantic processing in cultural heritage, damage assessment, diagnoses and monitoring for the preventive conservation and maintenance of CH, information management systems in CH, European research networks in the field of CH, non-destructive diagnosis technologies for the safe conservation and traceability of cultural assets.
 Common Shrubs of Chaparral and Associated Ecosystems of Southern California May 11 2021
 Users Guide for Fire Image Analysis System-version 5.0 Jun 19 2019
 Pattern Recognition Jan 19 2022 This book constitutes the refereed proceedings of the Third Mexican Conference on Pattern Recognition, MCPR 2011, held in Cancun, Mexico, in June/July 2011. The 37 revised full papers were carefully reviewed and selected from 69 submissions and are organized in topical sections on pattern recognition and data mining; computer vision and robotics; image processing; neural networks and signal processing; and natural language and document processing.
 San Dimas Fire & Aviation Dec 18 2021
 U.S. Geological Survey Bulletin Mar 29 2020
 PC Mag Sep 27 2022 PCMag.com is a leading authority on technology, delivering Labs-based, independent reviews of the latest products and services. Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology.
 U.S. Geological Survey Bulletin Jan 27 2020 A workshop report on the rationale for airborne remote sensing in earth science in the next decade.
 Basic Tools and Resources for Fire Investigators: A Handbook Feb 20 2022
 InfoWorld May 23 2022 InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.
 Roadside Video Data Analysis Nov 05 2020 This book highlights the methods and applications for roadside video data analysis, with a particular focus on the use of deep learning to solve roadside video data segmentation and classification problems. It describes system architectures and methodologies that are specifically built upon learning concepts for roadside video data processing, and offers a detailed analysis of the segmentation, feature extraction and classification processes. Lastly, it demonstrates the applications of roadside video data analysis including scene labelling, roadside vegetation classification and vegetation biomass estimation in fire risk assessment.
 Extreme Weather Forecasting Nov 24 2019 Extreme Weather Forecasting reviews current knowledge about extreme weather events, including key elements and less well-known variables to accurately forecast them. The book covers multiple temporal scales as well as components of current weather forecasting systems. Sections cover case studies on successful forecasting as well as the impacts of extreme weather predictability, presenting a comprehensive and model agnostic review of best practices for atmospheric scientists and others who utilize extreme weather forecasts. Reviews recent developments in numerical prediction for better forecasting of extreme weather events Covers causes and mechanisms of high impact extreme events and how to account for these variables when forecasting Includes numerous case studies on successful forecasting, outlining why they worked
 Modelling, Monitoring and Management of Forest Fires Jun 24 2022 At present there is insufficient knowledge of the behavior of fires and how they propagate. This lack of information makes it very hard to control these phenomena and is one of the biggest obstacles to the development of a reliable decision support system. Public concern regarding this topic is increasing as uncontrolled fires may lead to major ecological disasters, and usually result in negative economic and health implications for the region. Containing papers presented at the First International Conference on Modelling, Monitoring and Management of Forest Fires, this book addresses the latest research and applications of available computational tools to analyse and predict the spread of forest fires in order to prevent or reduce major loss of life and property as well as damage to the environment. Such tools must be able to take into consideration a large number of different parameters. The book thus deals with all aspects of forest fires, from fire propagation in different scenarios to the optimum strategies for fire-fighting. It also covers issues related to economic, ecological, social and health effects. Featured topics include: Computer Models for Fire Propagation; Risk and Vulnerability Assessment; Fire Combustion Models; Computational Methods and Experiments; Case Studies; Emergency Response Systems; Optimization Models for Fire Mitigation; Environmental Impact Models; Air Pollution and Health Risk; Interaction between Meteorological and Forest Fires Models; Economic Impact Models; Forest Material Characterisation; Eco Remediation Models; Decision Support Systems; Monitoring Systems and Data Acquisition and Analysis.
 Newmedia Jul 21 2019
 Mobile Information Systems II Aug 14 2021 Mobile Information Systems II provides a collection of research on the planning, analysis, design, construction, modification, implementation, utilization, evaluation, and management of mobile information systems. The articles focus on the implications of this research in the world of commerce, and address technical issues and constraints on mobile information systems functionalities and design.
 Billboard Mar 09 2021 In its 114th year, Billboard remains the world's premier weekly music publication and a diverse digital, events, brand, content and data licensing platform. Billboard publishes the most trusted charts and offers unrivaled reporting about the latest music, video, gaming, media, digital and mobile entertainment issues and trends.
 PC Graphics & Video Dec 06 2020
 Artificial Intelligence and Computational Intelligence Jun 12 2021 This three-volume proceedings contains revised selected papers from the Second International Conference on Artificial Intelligence and Computational Intelligence, AICI 2011, held in Taiyuan, China, in September 2011. The total of 265 high-quality papers presented were carefully reviewed and selected from 1073 submissions. The topics of Part III covered are: machine vision; natural language processing; nature computation; neural computation; neural networks; particle swarm optimization; pattern recognition; rough set theory; and support vector machine.
 Airborne Remote Sensing for Geology and the Environment--present and Future Feb 26 2020 A workshop report on the rationale for airborne remote sensing in earth science in the next decade.
 Guidebook on LANDFIRE Fuels Data Acquisition, Critique, Modification, Maintenance, and Model Calibration Aug 22 2019 With the advent of LANDFIRE fuels layers, an increasing number of specialists are using the data in a variety of fire modeling systems. However, a comprehensive guide on acquiring, critiquing, and editing (ACE) geospatial fuels data does not exist. This paper provides guidance on ACE as well as on assembling a geospatial fuels team, model calibration, and maintaining geospatial data and documentation. The LANDFIRE Data Access Tool (LFDAT), an ArcMap extension, and the Wildland Fire Decision Support System (WFDSS) are the primary tools outlined in this guide to obtain the Fire Area Simulator (FARSITE) landscape file (LCP) for geospatial fuels application. Other useful geographic information system (GIS) data acquisition websites and layers for geospatial fire analysis are also provided. Critiquing the data consists of (1) a tabular critique of the inputs using LCP Critique and (2) a geospatial critique of the inputs and outputs using FlamMap and ArcMap. Detailed information is provided on many of the layers that constitute the LCP (fuel model, canopy cover, stand height, crown base height, crown bulk density). Inputs are spatially critiqued using FlamMap and ArcMap in combination with the existing vegetation type layer. Outputs critiqued include flame length, rate of spread, fireline intensity, crown fire activity, and fire growth. Compare-Models-Four and Minimum Travel Time (MTT) are discussed, the WFDSS landscape editor is demonstrated as a tool to edit and update an LCP and a section on model calibration using FARSITE and MTT is included. The paper concludes with direction and discussion on data maintenance, documentation, and complexities of a national fuels dataset for field application.
 Simulated Evolution and Learning Oct 28 2022 This volume constitutes the proceedings of the 9th International Conference on Simulated Evolution and Learning, SEAL 2012, held in Hanoi, Vietnam, in December 2012. The 50 full papers presented were carefully reviewed and selected from 91 submissions. The papers are organized in topical sections on evolutionary algorithms, theoretical developments, swarm intelligence, data mining, learning methodologies, and real-world applications.
 Kindle Fire HDX For Dummies Apr 22 2022 Spark your interest in Kindle Fire HDX and start burningthrough books, movies, music, and more with this bestsellingguide! The Kindle Fire HDX is Amazon's premiere tablet. With its new,more powerful Android operating system, this latest version hassome exciting bells and whistles along with the features that havemade the Fire a tablet fan favorite: access to the amazing AmazonAppstore, online music storage, a large music and video store, ahuge e-book library, and easy one-step ordering from Amazon. Thisfull-color, For Dummies guide shows you how to takeadvantage of all the Kindle Fire's functionality includingbrowsing the web, sharing photos, watching videos, playing games,downloading apps, reading newspapers and magazines, andpersonalizing the device for your needs. Covers the Kindle Fire HDX and Kindle Fire HD tablets Walks you through getting connected, navigating the touchscreeninterface, working with Kindle Fire's built-in apps, using AmazonCloud, and getting help from the Mayday feature Helps you stay in touch with social media, e-mail, and Skypeand find what you're looking for online with Amazon'sSilk web browser Shows you how to stay entertained with the latest apps, movies,TV shows, music, games, e-books, and other cool content for yourKindle Fire HDX or Kindle Fire HD Blaze through Kindle Fire HDX For Dummies and starttaking advantage of the hottest tablet in town today!
 General Technical Report PSW. Apr 10 2021
 Animating with Flash MX Sep 15 2021 Learn how to do professional Flash animation with this comprehensive guide, written for the creative, not the programmer. Stay ahead with a professional developer's coverage of database animation and Flash MX for the PocketPC environment. A free CD enables the reader to try out everything covered.
 Mobile Broadband Communications for Public Safety Feb 08 2021 This book provides a timely and comprehensive overview of the introduction of LTE technology for PPDR communications. It describes the operational scenarios and emerging multimedia and data-centric applications in demand and discusses the main techno-economic drivers that are believed to be pivotal for an efficient and cost-effective delivery of mobile broadband PPDR communications. The capabilities and features of the LTE standard for improved support of mission-critical communications (e.g., proximity services, group communications) are covered in detail. Also, different network implementation options to deliver mobile broadband PPDR communications services over dedicated or commercial LTE-based networks are discussed, including the applicability of the Mobile Virtual Network Operator (MVNO) model and other hybrid models. Radio spectrum matters are also discussed in depth, outlining spectrum needs and providing an outlook into allocated and candidate spectrum bands for PPDR communications and suitable dynamic spectrum sharing solutions in PPDR communications. Explanations are accompanied by a vast collection of references that allow the more intrigued reader to gain further insight into the addressed topics.
 Fire Management Today Sep 03 2020
 Power Performance Oct 16 2021 This book is a unique and definitive guide to the skills necessary for on-camera journalism and offers an invaluable behind-the-scenes look at the profession. Tailors the traditional skills of writing, reporting, and producing to the needs of journalists working in front of the camera Includes chapters devoted to the role of the storyteller, reporting the story across multiple platforms, and presenting the story on-camera Incorporates profiles of leading multimedia journalists and public relations practitioners Addresses the key ethical issues for the profession Offers practical advice for putting presentation skills to work Storytelling skills covered can be applied to a variety of traditional and new media formats including television news, radio, and podcasts
 Kodi on Amazon Fire TV Cube Nov 17 2021 Your Number 1 Amazon Fire Cube Guide For Beginners Our world of streaming media is changing every day. Thus, yesterday's instruction becomes useless today. You can save yourself the frustration and headache of trying to set up and Install Kodi on your new Amazon cube device. This brand new 2018 guide reveals strategies you can use to enjoy the entertainment world without any hitch. Below is a preview of what this guide provides: - What Amazon Kodi fire TV Cube is all about? - Description of Kodi - Methods of Kodi installation - Everything you should know about VPNs - How to use the ES explorer, Downloader, Apps, etc - Best Kodi Fire TV cube Builds - Kodi popular apps - Application add-ons - Installation of third-party apps - Kodi High resolution video streaming - Alternatives to Kodi - Solving buffering issues - And many more! So with this guide on your hands, you got no fear even if you are not tech-savvy. Get it now and enjoy your entertainment world as a Pro!
 IGARSS. Jul 01 2020

The Handbook for School Safety and Security Dec 26 2019 School security is one of the most pressing public concerns today. Yet in most schools, there is little security expertise or detailed knowledge about how to implement and manage a security program. The Handbook for School Safety and Security rectifies this problem by providing the salient information school administrators and security professionals need to address the most important security issues schools face. Made up of contributions from leading experts in school security, The Handbook for School Safety and Security provides a wealth of practical information for securing any K-12 school. It discusses key approaches and best practices for school crime prevention, including such topics as crisis management and mass notification. It also covers the physical measure needed for protecting a school, including detailed discussions of access control, lighting, alarms, and locks. While there is no single fix for the myriad of security challenges facing today's school security professionals, the best practices found in The Handbook for School Safety and Security will help increase the safety and security of any school. Brings together the collective experience of industry-leading subject matter specialists into one resource. Covers all the key areas needed for developing and implementing a school security program. Includes a list of 100 things to know when developing a school security program.

Kindle Fire HD For Dummies Apr 29 2020 Music, video, e-books, and e-mail Kindle Fire HD does it all! Your Kindle Fire HD is small but mighty just like this book! This little book covers all the Kindle Fire HD basics browsing the web and shopping online, connecting to a network, setting up and using e-mail, downloading and running apps, watching videos, keeping up with magazines and newspapers, and even reading books! Open the book and find: How to set up your device out of the box All the functionality of pre-installed apps Touchscreen and data transfer tips Ways to manage your multimedia Help setting up wireless connectivity

NASA Activities Oct 04 2020

High Resolution Site Surveys Aug 02 2020 High Resolution Site Surveys brings together the full range of site surveying techniques for the first time, to provide a unified approach to marine and land-based resolution surveying.Detailed descriptions are given of digital seismic survey methods, hydrographic 'analogue' search and survey tools, non-seismic survey techniques, and positioning sy

Artificial Neural Networks and Machine Learning – ICANN 2022 Sep 22 2019 The 4-volumes set of LNCS 13529, 13530, 13531, and 13532 constitutes the proceedings of the 31st International Conference on Artificial Neural Networks, ICANN 2022, held in Bristol, UK, in September 2022. The total of 255 full papers presented in these proceedings was carefully reviewed and selected from 561 submissions. ICANN 2022 is a dual-track conference featuring tracks in brain inspired computing and machine learning and artificial neural networks, with strong cross-disciplinary interactions and applications.

Fire Management Notes Aug 26 2022

Wildland Fire Behaviour May 31 2020 Wildland fires have an irreplaceable role in sustaining many of our forests, shrublands and grasslands. They can be used as controlled burns or occur as free-burning wildfires, and can sometimes be dangerous and destructive to fauna, human communities and natural resources. Through scientific understanding of their behaviour, we can develop the tools to reliably use and manage fires across landscapes in ways that are compatible with the constraints of modern society while benefiting the ecosystems. The science of wildland fire is incomplete, however. Even the simplest fire behaviours – how fast they spread, how long they burn and how large they get – arise from a dynamical system of physical processes interacting in unexplored ways with heterogeneous biological, ecological and meteorological factors across many scales of time and space. The physics of heat transfer, combustion and ignition, for example, operate in all fires at millimetre and millisecond scales but wildfires can become conflagrations that burn for months and exceed millions of hectares. Wildland Fire Behaviour: Dynamics, Principles and Processes examines what is known and unknown about wildfire behaviours. The authors introduce fire as a dynamical system along with traditional steady-state concepts. They then break down the system into its primary physical components, describe how they depend upon environmental factors, and explore system dynamics by constructing and exercising a nonlinear model. The limits of modelling and knowledge are discussed throughout but emphasised by review of large fire behaviours. Advancing knowledge of fire behaviours will require a multidisciplinary approach and rely on quality measurements from experimental research, as covered in the final chapters.

New Approaches for Multidimensional Signal Processing Jan 07 2021 This book is a collection of papers presented at the International Workshop on New Approaches for Multidimensional Signal Processing (NAMSP 2020), held at Technical University of Sofia, Sofia, Bulgaria, during 09–11 July 2020. The book covers research papers in the field of N-dimensional multicomponent image processing, multidimensional image representation and super-resolution, 3D image processing and reconstruction, MD computer vision systems, multidimensional multimedia systems, neural networks for MD image processing, data-based MD image retrieval and knowledge data mining, watermarking, hiding and encryption of MD images, MD image processing in robot systems, tensor-based data processing, 3D and multi-view visualization, forensic analysis systems for MD images and many more.

Depth Map and 3D Imaging Applications: Algorithms and Technologies Oct 24 2019 Over the last decade, significant progress has been made in 3D imaging research. As a result, 3D imaging methods and techniques are being employed for various applications, including 3D television, intelligent robotics, medical imaging, and stereovision. Depth Map and 3D Imaging Applications: Algorithms and Technologies present various 3D algorithms developed in the recent years and to investigate the application of 3D methods in various domains. Containing five sections, this book offers perspectives on 3D imaging algorithms, 3D shape recovery, stereoscopic vision and autostereoscopic vision, 3D vision for robotic applications, and 3D imaging applications. This book is an important resource for professionals, scientists, researchers, academics, and software engineers in image/video processing and computer vision.