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The interest in aviation is down. Usually, commercial airlines rely on retired military pilots to fly their planes. Because it's expensive to become a pilot, starting in the military helps alleviate ...

Civil Air Patrol hopes to interest teens in aviation amid pilot shortage

The growth is mainly due to the companies rearranging their operations and recovering from the COVID-19 impact, which had earlier led to restrictive containment measures involving social distancing, ...

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As per the updated draft Drone Rules,
2021, drones without unique identification
number will not be allowed to be operated.
Read all you need to know.

Ministry of Civil Aviation releases draft
Drone Rules 2021 - All you need to know
The Drone Rules, 2021, are expected to
replace the Unmanned Aircraft Systems
(UAS) Rules that were issued in March
this year. The Ministry has stated that
drone corridors will be developed for
cargo d ...

Civil Aviation Ministry issues draft Drone
Rules 2021; check out details

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Owners of drones will have to register them, undergo training and pass tests, and buy insurance from next year as the Hong Kong government will gazette a long-delayed bill to regulate the ...

Hong Kong to require drone users to register, train and pass tests under proposed law

Following the news that the organisation has strengthened its retail market support, by expanding solutions offerings to include Electronic Article Surveillance (EAS), ADT Commercial (ADT), a ...

ADT Commercial widens presence in new growth markets, expands international support, and introduces industry veterans Chevron U.S.A. Inc., through its Chevron Products Company division (Chevron),

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and Cummins Inc., (NYSE: CMI) a global power and hydrogen technologies leader,

Geoprocessing

Chevron and Cummins Announce Strategic Collaboration on Hydrogen Delta Drone International expanding operations into Mali to deliver advanced LIDAR services for multinational gold mining company, Barrick Gold For the first time in the region, Delta Drone ...

Delta Drone International enters Mali to deliver LiDAR for Barrick Gold
Disclaimer | Accessibility Statement | Commerce Policy | Made In NYC | Stock quotes by finanzen.net CHICAGO, July 15, 2021 /PRNewswire/ -- According to a research report "Drone Inspection and ...

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Drone Inspection and Monitoring Market worth \$33.6 billion by 2030 - Exclusive Report by MarketsandMarkets

In the process of expanding their influence, criminal groups often develop close ties with elites in an effort to gain protection and access to better resources. This facet of transnational organized ...

Nicaragua Elites and Organized Crime: Introduction

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2021 With Post COVID-19 Impact
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Here are the key proposed changes under
Draft Drone Rules 2021 that will make
flying drones in India much easier.

Govt Issues Draft Drone Rules, Proposed
Changes to Make Flying Drones Much
Easier

Featuring LG Electronics, Whirlpool and
Siemens Among Others -
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and Recovery to 2030□ report has been ...

Worldwide Household Laundry
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LG Electronics, Whirlpool and Siemens

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Among Others - International Remote

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Furthermore, the rising trend of integrating 2D and 3D animation, such as implanting 2D overlays with movement in big-budget commercial videos and small ... by transitioning a portion of its workforce ...

Rising Consumption Of Media And Entertainment Content Expected To Drive The Demand For 3D Animated Content ResearchAndMarkets.com The "Software and BPO Services Global Market Report 2021: COVID-19 Impact and Recovery to 2030" report has been added to ResearchAndMarkets.com's offering. The global software ...

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F&A BPO; Other Services -

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outlines how remote environmental data collection and field research is used and incorporated in international advocacy to boost the momentum for mainstreaming a robust environmental, peace and ...

Data-driven environmental decision-making and action in armed conflict

A clutch of ministries and departments like that of home, civil aviation ... soldiers could be handling the remote, the officer said. Both the International Border and the Line of Control ...

Small-Size, Stealth Make Drones Lethal Threat For Strategic Installations: Officials Hassan Saleh and his younger brother Saeed, both in their early 20s, have been

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fighting alongside other government fighters and tribesman outside the oil-rich city of Marib, against the months-long ...

Costly and critical: The battle for a key Yemeni city

Eugene Levin is an associate professor, as well as the director of the integrated geospatial technology graduate program in the Department of Civil ... and Remote Sensing, the Society of Photographic ...

Eugene Levin, CP

The satellite payloads are used for several applications, including communication, earth observation and remote sensing ... intelligence, civil, commercial, and/or government users Continuous ...

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Remote sensing and geospatial data processing are rapidly evolving and increasingly important fields with widespread applications. In this monograph, Glackin and Peltzer trace the evolution of remote sensing satellites and their instruments and geospatial data processing, document the state of the art, and present key trends emerging for the next decade. The authors emphasize the increasing commercialization and international expansion of the field, particularly in the field of imaging satellites and the use of geographic information systems to make remote sensing data more accessible.

Hyperspectral narrow-band (or imaging spectroscopy) spectral data are fast emerging as practical solutions in modeling and mapping vegetation. Recent research has demonstrated the advances in

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and merit of hyperspectral data in a range of applications including quantifying agricultural crops, modeling forest canopy biochemical properties, detecting crop stress and disease, mapping leaf chlorophyll content as it influences crop production, identifying plants affected by contaminants such as arsenic, demonstrating sensitivity to plant nitrogen content, classifying vegetation species and type, characterizing wetlands, and mapping invasive species. The need for significant improvements in quantifying, modeling, and mapping plant chemical, physical, and water properties is more critical than ever before to reduce uncertainties in our understanding of the Earth and to better sustain it. There is also a need for a synthesis of the vast knowledge spread throughout the literature from more than 40 years of research. Hyperspectral Remote Sensing of

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Vegetation integrates this knowledge, guiding readers to harness the capabilities of the most recent advances in applying hyperspectral remote sensing technology to the study of terrestrial vegetation. Taking a practical approach to a complex subject, the book demonstrates the experience, utility, methods and models used in studying vegetation using hyperspectral data. Written by leading experts, including pioneers in the field, each chapter presents specific applications, reviews existing state-of-the-art knowledge, highlights the advances made, and provides guidance for the appropriate use of hyperspectral data in the study of vegetation as well as its numerous applications, such as crop yield modeling, crop and vegetation biophysical and biochemical property characterization, and crop moisture assessment. This comprehensive book brings together the

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International expertise on hyperspectral remote sensing of agriculture, crop water use, plant species detection, vegetation classification, biophysical and biochemical modeling, crop productivity and water productivity mapping, and modeling. It provides the pertinent facts, synthesizing findings so that readers can get the correct picture on issues such as the best wavebands for their practical applications, methods of analysis using whole spectra, hyperspectral vegetation indices targeted to study specific biophysical and biochemical quantities, and methods for detecting parameters such as crop moisture variability, chlorophyll content, and stress levels. A collective "knowledge bank," it guides professionals to adopt the best practices for their own work.

Remote Sensing of Forest Environments:
Concepts and Case Studies is an edited

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volume intended to provide readers with a state-of-the-art synopsis of the current methods and applied applications employed in remote sensing the world's forests. The contributing authors have sought to illustrate and deepen our understanding of remote sensing of forests, providing new insights and indicating opportunities that are created when forests and forest practices are considered in concert with the evolving paradigm of remote sensing science. Following background and methods sections, this book introduces a series of case studies that exemplify the ways in which remotely sensed data are operationally used, as an element of the decision-making process, and in the scientific study of forests. Remote Sensing of Forest Environments: Concepts and Case Studies is designed to meet the needs of a professional audience composed of

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both practitioners and researchers. This book is also suitable as a secondary text for graduate-level students in Forestry, Environmental Science, Geography, Engineering, and Computer Science.

Active remote sensing is the principal tool used to study and to predict short- and long-term changes in the environment of Earth - the atmosphere, the oceans and the land surfaces - as well as the near space environment of Earth. All of these measurements are essential to understanding terrestrial weather, climate change, space weather hazards, and threats from asteroids. Active remote sensing measurements are of inestimable benefit to society, as we pursue the development of a technological civilization that is economically viable, and seek to maintain the quality of our life. A Strategy for Active Remote Sensing Amid Increased

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Demand for Spectrum describes the threats, both current and future, to the effective use of the electromagnetic spectrum required for active remote sensing. This report offers specific recommendations for protecting and making effective use of the spectrum required for active remote sensing.

Remote sensing and GIS are increasingly used as tools for monitoring and managing forests. Remotely sensed and GIS data are now the data sources of choice for capturing, documenting, and understanding forest disturbance and landscape pattern. Sitting astride the fields of ecology, forestry, and remote sensing/GIS, *Understanding Forest Disturbance and Spatial Pattern: Remote Sensing and GIS Approaches* takes you through the general biological or landscape ecological context of forest

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disturbance to remote sensing and GIS technological approaches and pattern description and analysis, with compelling applied examples of integration and synthesis. Written by experts, peer-reviewed to adhere to the strictest standards and highest quality criteria, these chapters discuss natural and human-caused forest change and consider factors such as biological setting, monitoring approaches, scale issues, and pattern analysis. The book explores forest disturbance and spatial pattern from an ecological point-of-view within the context of structure, function, pattern, and change. It concludes with a summary of the issues related to detection and mapping of forest disturbances with remotely sensed and GIS data. The authors elucidate how the elements presented, from ecological underpinnings, data considerations, change detection method,

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and pattern analysis, combine into a problem solving, information generating approach. You may find this subject covered briefly in a small sub-section in remote sensing forestry texts, or in limited technical detail in the ecology literature. The in-depth, detailed information provided in this book allows you to develop an understanding of the application of BOTH remote sensing and GIS technologies to forest change and the impacts of fire, insect infestation, forest harvesting, and other potential change influences – such as extreme weather events. This book provides guidance on how to master the challenges of capturing and characterizing forest disturbance and spatial patterns.

As new communications applications are developed and brought to market, it is vital for communications professionals to keep

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abreast of these issues. Since the technologies and applications also affect our daily lives, it is important to understand how they will shape the country and, by extension, the world at large. International censorship, the impact of the Internet and wireless tools, and the legislation following the World Trade Center bombing all fall into this category. The New Communications Technologies, Fifth Edition, provides vital information on the new and emerging technologies that will shape the way communicators do business. The book explores the new communications technologies and covers topics ranging from multimedia and production to satellites to digital communication. Just as important, the book examines the social, economic, and political impact brought about by the adoption of such technologies and applications; this fallout includes privacy

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concerns, First Amendment issues, and the implications raised by biometric systems.

Written by leading global experts, including pioneers in the field, the four-volume set on Hyperspectral Remote Sensing of Vegetation, Second Edition, reviews existing state-of-the-art knowledge, highlights advances made in different areas, and provides guidance for the appropriate use of hyperspectral data in the study and management of agricultural crops and natural vegetation. Volume I, Fundamentals, Sensor Systems, Spectral Libraries, and Data Mining for Vegetation introduces the fundamentals of hyperspectral or imaging spectroscopy data, including hyperspectral data processes, sensor systems, spectral libraries, and data mining and analysis, covering both the strengths and limitations of these topics. This book also presents

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and discusses hyperspectral narrowband data acquired in numerous unique spectral bands in the entire length of the spectrum from various ground-based, airborne, and spaceborne platforms. The concluding chapter provides readers with useful guidance on the highlights and essence of Volume I through the editors' perspective.

Key Features of Volume I: Provides the fundamentals of hyperspectral remote sensing used in agricultural crops and vegetation studies. Discusses the latest advances in hyperspectral remote sensing of ecosystems and croplands. Develops online hyperspectral libraries, proximal sensing and phenotyping for understanding, modeling, mapping, and monitoring crop and vegetation traits. Implements reflectance spectroscopy of soils and vegetation. Enumerates hyperspectral data mining and data processing methods, approaches, and

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machine learning algorithms. Explores methods and approaches for data mining and overcoming data redundancy; Highlights the advanced methods for hyperspectral data processing steps by developing or implementing appropriate algorithms and coding the same for processing on a cloud computing platform like the Google Earth Engine. Integrates hyperspectral with other data, such as the LiDAR data, in the study of vegetation. Includes best global expertise on hyperspectral remote sensing of agriculture, crop water use, plant species detection, crop productivity and water productivity mapping, and modeling.

The potential threat posed by Leonid meteoroids to orbiting spacecraft over the next several years calls for new dynamic mitigation strategies to assist the satellite community in reducing the danger to its

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vehicles. This book offers deliberate dynamic mitigation strategies to complement the traditional shielding strategies, providing mission operators additional ways to decrease the danger. Five different attitude control and orbit maneuvering options are examined in detail. The information is presented in algorithmic form to allow technically competent, but meteoroid inexperienced, operators to easily understand the phenomena, assess the danger, and implement procedures. Although general in scope, the book emphasizes the Leonid meteor events of the 1998-2002 timeframe.

A combination of broad disciplinary coverage and scientific excellence, the Encyclopedia of Forest Sciences will be an indispensable addition to the library of anyone interested in forests, forestry and

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forest sciences. Packed with valuable insights from experts all over the world, this remarkable set not only summarizes recent advances in forest science techniques, but also thoroughly covers the basic information vital to comprehensive understanding of the important elements of forestry. The Encyclopedia of Forest Sciences also covers relevant biology and ecology, different types of forestry (e.g. tropical forestry and dryland forestry), scientific names of trees and shrubs, and the applied, economic, and social aspects of forest management. Valuable key features further enhance the utility of this Encyclopedia as an exceptional reference tool. Also available online via ScienceDirect □ featuring extensive browsing, searching, and internal cross-referencing between articles in the work, plus dynamic linking to journal articles and abstract databases, making navigation

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flexible and easy. For more information, pricing options and availability visit www.info.sciencedirect.com. Edited and written by a distinguished group of editors and contributors Well-organized encyclopedic format provides concise, readable entries, easy searches, and thorough cross-references Illustrative tables, figures, and photographs in every entry, produced in full color Comprehensive glossary defines new and important terms Complete, up-to-date coverage of over 60 areas of forest sciences - sure to be of interest to scientists, students, and professionals alike! Editor-in-Chief is the past president of the International Union of Forestry Research Organizations, the oldest international collaborative forestry research organization with over 15,000 scientists from 100 countries

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International Launch Site Guide provides payload planners with valuable information useful in selecting candidate launch sites for military or commercial payloads. It covers the history, current facilities, and point of contact for 21 of the most active launch sites in the world and provides information on worldwide launch sites capable of launching commercial payloads. The sites covered are those that have been historically active or are expected to be active in the near future.

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