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without the deeper blacks
provided by the company's pricier
array-lit and mini-LED QLEDs.

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Samsung Q60A 4K UHD TV
review: Top-notch color and
brightness for the money, but so-
so black levels

DARPA has announced the start
of the Fast Event-based
Neuromorphic Camera and

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Electronics (FENCE) program, which is designed to make computer vision cameras more efficient by mimicking how the human . . .

DARPA program seeks to develop camera tech that mimics the

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human brain

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How NIF inspired groundbreaking
3D metal-printing technology

In this special guest feature,

Sahar Mor, founder of AirPaper,

discusses DALL-E - a new

powerful API from OpenAI that

creates images from text

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Captions. With this, Sahar is
planning to build a few ...

DALL-E - A Human-like
Intelligence through Multimodality
Spatial, a company that has ... its
own 3D capture software before,
but Object Capture is a start.

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Unlike many existing 3D scanning tools, which map image capture data onto 3D depth maps, Object

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Unmanned aerial systems for forest management
UP42 has signed an agreement with HEAD Aerospace of Beijing to make image data from more than 40 innovative Chinese Earth Observation satellites available on the UP42 marketplace. The

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broad selection... Knowledge

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UP42 Teams with HEAD

Aerospace to Bring Diverse Image

Data to Geospatial Marketplace

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Provincial Key Laboratory of

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of Biomedical Engineering... We also extracted a set of TIL spatial features based on our TIL maps and explored the ...

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Characterization of Tumor-
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Concepts From Histopathology
Images and Multiomics Data
After the image goes through the
sharpening filters to make objects
stand out ... edge reconstruction"
algorithm, which is based on the
spatial data before it goes to the
render pipeline.

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AMD FidelityFX Super Resolution
Tested: Of Pixels And
Performance

Tesla has been a vocal champion
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approach to autonomous ... But
deep learning can also make

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mistakes in detecting objects in images. This is why most self-driving car ...

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Tesla AI chief explains why self-driving cars don't need lidar
Currently, no soundbars we know of, including 2021 models, are

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equipped with HDMI 2.1 ports that would let them take in 4K 120Hz images ... Atmos and DTS:X 'object based' sound systems, as well as...

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How to get the best picture and sound from the Xbox Series X

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A technician's image is reflected while inspecting a set of mirrors at LIGO. Cooling objects to low temperature can increase ... used field electron microscopy with high spatial (~ 2 nanometers) and ...

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This Week in Science
And the latest multidimensional
audio formats, such as the red-
hot object-based Dolby Atmos
and DTS ... s just enhanced stereo
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you'll be glad you did.

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Tesla has been a vocal champion for the pure vision-based approach to autonomous ... But deep learning can also make

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mistakes in detecting objects in images. This is why most self-driving car ...

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This book brings together a collection of invited

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interdisciplinary perspectives on the recent topic of Object-based Image Analysis (OBIA). Its content is based on select papers from the 1st OBIA International Conference held in Salzburg in July 2006, and is enriched by several invited chapters. All

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Submissions have passed through a blind peer-review process resulting in what we believe is a timely volume of the highest scientific, theoretical and technical standards. The concept of OBIA first gained widespread interest within the GIScience

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(Geographic Information Science) community circa 2000, with the advent of the first commercial software for what was then termed 'obje- oriented image analysis'. However, it is widely agreed that OBIA builds on older segmentation, edge-detection

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and classification concepts that have been used in remote sensing image analysis for several decades. Nevertheless, its emergence has provided a new critical bridge to spatial concepts applied in multiscale landscape analysis, Geographic Information

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Systems (GIS) and the synergy between image-objects and their radiometric characteristics and analyses in Earth Observation data (EO).

Cartography

This landmark text from world-leading radiologist describes and

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illustrates how imaging techniques are created, analyzed and applied to biomedical problems.

In Geoinformation And

Advances in Imaging and Electron Physics features cutting-edge articles on the physics of electron

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devices (especially semiconductor devices), particle optics at high and low energies, microlithography, image science and digital image processing, electromagnetic wave propagation, electron microscopy, and the computing methods used

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in all these domains.

Contributions from leading
authorities Informs and updates
on all the latest developments in
the field

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The papers included in this book were presented at the International Conference "New Technologies, Development and Application," which was held at the Academy of Sciences and Arts of Bosnia and Herzegovina in Sarajevo, Bosnia and Herzegovina

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on 28th-30th June 2018. The

book covers a wide range of
technologies and technical

disciplines including complex

systems such as: Robotics,

Mechatronics Systems,

Automation, Manufacturing,

Cyber-Physical Systems,

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Autonomous Systems, Sensors,
Networks, Control Systems,
Energy Systems, Automotive
Systems, Biological Systems,
Vehicular Networking and
Connected Vehicles, Effectiveness
and Logistics Systems, Smart
Grids, Nonlinear Systems, Power

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Systems, Social Systems, and
Economic Systems.

Forest management has evolved
from a mercantilist view to a
multi-functional one that
integrates economic, social, and
ecological aspects. However, the

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issue of sustainability is not yet resolved. Quantitative Techniques in Participatory Forest Management brings together global research in three areas of application: inventory of the forest variables that determine the main environmental indices,

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description and design of new environmental indices, and the application of sustainability indices for regional implementations. All these quantitative techniques create the basis for the development of scientific methodologies of

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participatory sustainable forest
management.

Remote Sensing image analysis is
mostly done using only spectral
information on a pixel by pixel
basis. Information captured in
neighbouring cells, or information

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about patterns surrounding the pixel of interest often provides useful supplementary information. This book presents a wide range of innovative and advanced image processing methods for including spatial information, captured by

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neighbouring pixels in remotely sensed images, to improve image interpretation or image classification. Presented methods include different types of variogram analysis, various methods for texture quantification, smart kernel

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Operators, pattern recognition techniques, image segmentation methods, sub-pixel methods, wavelets and advanced spectral mixture analysis techniques.

Apart from explaining the working methods in detail a wide range of applications is presented covering

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land cover and land use mapping, environmental applications such as heavy metal pollution, urban mapping and geological applications to detect hydrocarbon seeps. The book is meant for professionals, PhD students and graduates who use

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remote sensing image analysis, image interpretation and image classification in their work related to disciplines such as geography, geology, botany, ecology, forestry, cartography, soil science, engineering and urban and regional planning.

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Urban Remote Sensing is designed for upper level undergraduates, graduates, researchers and practitioners, and has a clear focus on the development of remote sensing technology for monitoring,

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synthesis and modeling in the urban environment. It covers four major areas: the use of high-resolution satellite imagery or alternative sources of image data (such as high-resolution SAR and LIDAR) for urban feature extraction; the development of

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improved image processing
algorithms and techniques for
deriving accurate and consistent
information on urban attributes
from remote sensor data; the
development of analytical
techniques and methods for
deriving indicators of

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Socioeconomic and environmental conditions that prevail within urban landscape; and the development of remote sensing and spatial analytical techniques for urban growth simulation and predictive modeling.

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