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advances in intelligent signal processing

Baby Audio has released Smooth Operator, an ‘Intelligent Signal Balancer’ plugin that uses spectral processing to “resolve fatigued frequencies and bring out clarity”. Featuring a detection algorithm

baby audio’s smooth operator is an ‘intelligent signal balancer’ plugin that promises to add a touch of ‘hifi’ to your productions

Artificial intelligence has been all over headlines for nearly a decade, as systems have made quick progress in long-standing AI challenges like image recognition, natural language processing, and

to advance ai we need to better understand human intelligence, and address these 4 fallacies

Artificial Intelligence has made a massive impact in the modern world. Here are the top 10 Artificial Intelligence (AI) innovation trends to watch out for in 2021.

top 10 artificial intelligence innovation trends to watch out for in 2021

This chapter reviews the main landmarks of signal processing in the 20th century from the perspective of algorithmic developments. It focuses on cross-fertilization with the field of statistical

from signal processing to machine learning

Coded messages in invisible ink sound like something only found in espionage books, but in real life, they can have important security purposes. Yet, they can be cracked if their encryption is

an uncrackable combination of invisible ink and artificial intelligence

Machine learning helps some of the best microscopes to see better, work faster, and process more data. To observe the swift neuronal signals in a fish brain, scientists have started to use a technique

best of both worlds: artificial intelligence makes great microscopes better than ever

AI will make most people better off, but its advances will also affect what it truly means to be human in the 21st century.

artificial intelligence and the future of humans

The prospects for manufacturing in space seem as big as the galaxy itself. While the ideas might be in outer space, our mindsets and methodologies must be firmly based on the best practices and

manufacturing in outer space: not such a far-out idea

Despite a persistent semiconductor shortage that is disrupting the global automotive industry, investors remain bullish on the chips used to power next-generation vehicles. Kneron, a startup that

tesla supplier delta electronics invests \$7m in ai chip startup kneron

Tesla Inc (NASDAQ: TSLA) and Apple Inc (NASDAQ: AAPL) power components supplier Delta Electronics is backing Kneron, an artificial intelligence startup that

tesla, apple supplier delta to pour \$7m in ai semiconductor startup amid chip shortage

When we imagine the future of AI, we may think of the fiction we see in cinema: highly advanced robots that can mimic humans so well as to be

machine learning vs. artificial intelligence: which is the future of data science? - dataonomy

Since the 1970s, digital technologies have changed teaching, learning and assessment. But @Aftab_Hussain from @BoltonCollege believes #ArtificialIntelligence will cause the greatest disruption yet:

artificial intelligence will be more revolutionary for education than the internet

The tools and techniques of Artificial Intelligence (AI) are transforming discovery in the disciplines traditionally supported within the Directorate for Mathematical and Physical Sciences (MPS). This

dear colleague letter: advancing discovery with ai-powered tools (adapt) in the mathematical and physical sciences

COMSovereign Holding Corp. (NASDAQ: COMS) (“COMSovereign” or “Company”), a U.S.-based developer of 4G LTE Advanced and 5G Communication Systems and Solutions, today announced that it is acquiring

comsovereign expands its advanced wireless signal processing capabilities with the acquisition of innovation digital, llc

Recent advances in machine learning promise to yield novel insights by interrogation of large datasets ranging from gene expression and mutation data to CRISPR knockouts and drug screens. We combined

application of machine learning to large in vitro databases to identify drug-cancer cell interactions: azithromycin and klk6 mutation status

Raytheon Intelligence & Space will provide signals intelligence field services for the U.S. Air Force’s Distributed Common Ground System, which collects, processes and analyzes intelligence. RI&S will

raytheon to support u.s. air force’s intelligence program under \$175m contract

The little-noted issue of radar safety is emerging as a potential Achilles heel of driver-assist and highly automated vehicles: radar signals interfere

signal interference compromises automotive radar safety

The global semiconductor industry has been on a roll for over a year now. Surging sales of electronic goods during the pandemic and growing demand from carmakers have seen semiconductor sales rising

semiconductor sales soar in q1 on increased demand: 5 winners

ARTIFICIAL intelligence adoption by Chinese businesses has outpaced the global average thanks to increased spending on research and development and industry growth, said a PwC report.

artificial intelligence adoption gathering momentum

Collaboration between deep learning experts and microscopy experts leads to an significantly improved data-intensive light-field microscopy method by using AI and ground-truthing it with light-sheet

artificial intelligence makes great microscopes better than ever

Scientists are studying ways to identify deepfake geography, such as from false satellite images, which are seen as a security threat.

falsified satellite images in deepfake geography seen as security threat

Understanding human trust in machine partners has become imperative due to the widespread use of intelligent machines in a variety of applications and contexts. The aim of this paper is to investigate

promises and trust in human-robot interaction

Graphical dashboards already bring data alive for business decision-makers, drawing their attention to what’s important and allowing them to drill deeper into anomalies or findings of interest. The

rim reimagined in 3d: exploring new data dimensions

The Lipstick Index, as it’s known, was a phrase coined by Leonard Lauder, chairman of the board at Estee Lauder, in the early noughties when it became clear in times of economic crisis, sales of color

artificial intelligence is about to change how you buy lipstick (and other cosmetics)

Omniscience today announced it has been granted a patent for technology that creates a breakthrough engine for Optical Character Recognition (OCR). Using innovative machine learning technology enables

omniscience receives patent for ocr engine using major advances in applied machine learning

Diamondback Energy Inc. CEO Travis Stice said until there’s a “clear signal” to increase oil output, there are no plans to expand volumes this year in the

diamondback sees no ‘clear signal’ to boost permian output

AIStorm’scharge domain AI-in-Sensor technology uses Tower Semiconductor’s Hi-K VIA capacitor memory to enable best-in-class real-time machine learning for the \$7B edge imager market. HOUSTON, Tx. and

aistorm’s ai-in-imager solutions use tower semiconductor’s hi-k via capacitor memory ...

CNW/ - Honda today revealed the most fun-to-drive and technologically advanced Civic Sedan in the model's nearly 50-year history. The all-new 2022 Honda

all-new 11th generation civic sedan fully revealed in production form with sporty design, advanced technology, cutting-edge safety features

AIStorm and Tower Semiconductor announced that AIStorm’s new AI-in-imager products will feature AIStorm’s electron multiplication architecture and Tower’s Hi-K VIA capacitor memory, instead of digital

aistorm’s ai-in-imager solutions use tower semiconductor’s hi-k via capacitor memory to enable high-density imager, always-on processing

Access international speaks to Georg Layher; Kewazo explains its unique robotic lift; and Haki covers digital solutions

what’s new in scaffolding, including georg layher interview

Military experts are developing new enabling technologies to help unmanned aircraft, ground vehicles, submarines, and surface vessels swarm and make decisions without human intervention.

artificial intelligence and machine learning for unmanned vehicles

Mary Meerson was completely bewildered by the superb stylisation specific to that film and perhaps never showed it, since the programming was based on a different notion of India then prevalent

the future of the individual in cinema

modular open system architecture designed to dramatically accelerate the development of a wide range of electronic warfare (EW), signal intelligence and software-defined radio applications.

mercury pioneers ground-breaking rappid application-ready spectrum processing platform to support full-spectrum superiority nasdaq:mrcty

The participants in Made in Northern Ireland Roundtable discussed how the sector has reacted to the pandemic, what changes they put in place, some of the new products and processes they

made in northern ireland awards roundtable 2020

DfT said the first types of 'self-driving' vehicles fitted with Automated Lane Keeping Systems could steer themselves in slow moving motorway traffic, up to 37mph.

government paves the way for hands-free driving on uk motorways 'by the end of this year' - but insurers warn that calling tech 'self-driving' may cause a spike in accidents

MRCY, a leader in trusted, secure mission-critical technologies for aerospace and defense, today launched the ground-breaking Rappid™ spectrum processing platform, an innovative, modular open system

mercury pioneers ground-breaking rappid application-ready spectrum processing platform to support full-spectrum superiority

DfT said the first types of 'self-driving' vehicles fitted with Automated Lane Keeping Systems could steer themselves in slow moving motorway traffic, up to 37mph.

self-drive cars in britain this year: government paves the way for hands-free driving on uk motorways

By industry leading research insitution Counterpoint's most recent report, TECNO is recognized as one of the few brands that have make break-throughs in AI-enhanced mobile photography and videography

counterpoint: tecno mobile leads in ai-enhanced photography exemplifying by its newest camon17 pro

AONDevices, Inc., a private company focused on ultra-low power, high performance edge AI processors with integrated, application-specific inference algorithms,

announced benchmark performance and

aondevices edge ai processor achieves best-in-class voice and sound recognition at ultra-low power

Georg Layher, managing partner at scaffolding giant Layher and Wolf Christian Behrbohm, the company's managing director, share their view of the industry with Access International. Layher is a