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European Frequency and Time Symposium

tutorial 1/3: PRN and GPS decoding using

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SDR (J.-M Friedt) Spectrum sensing in cognitive Radio and Frequency Hopping Spread Spectrum in Un- Coordinated CR
SpecNet: Spectrum Sensing Sans Frontières
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Radio

How to Detect Drones, Predict the Weather
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Defined Radio Series #11 Going Deeper
Into GNURadio Companion, Hak5 1601

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The sun provides a daunting source of electromagnetic disarray—chaotic, random energy emitted by the massive ball of gas arrives to Earth in a wide spectrum of radio frequencies. But in that ...

Solar radio signals could be used to monitor melting ice sheets

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The “ clinic-on-the-wrist ” integration combining hardware, application firmware, and cloud analytics will accelerate deployment for customers and partners.

[Rockley Photonics intros 'clinic-on-the-wrist' module for wearable health monitoring](#)

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Researchers at the National Institute of Standards and Technology (NIST) and Wavsens LLC have developed a method for using radio signals to create real-time ...

[NIST Method Uses Radio Signals to Image Hidden and Speeding Objects](#)

Nvidia and InterDigital also are among the

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five founding affiliates. Each have agreed to fund at least two research projects at the center, called 6G@UT, for three years.

AT&T, Samsung, Qualcomm help launch
6G research center at University of Texas
Smart Technologies Center Project jointly
funded by EU, Turkish Industry and

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Technology Ministry - Anadolu Agency ...

Software Radio Platform

Turkey's new tech center offers ' perfect infrastructure ' for smart agricultural machinery

The technique has some limitations:

Calcium sensors are an indirect measure of neural activity, so the laser cannot capture

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every action potential. Yizhar says he hopes to use voltage indicators — ...

New optogenetics technique minimizes thermal damage to neurons

More end products are integrating lasers with sensors and optics, opening new opportunities for photonics manufacturers.

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The next wave of innovation in photonics

NASA scientists often use a technique called “ remote sensing ” to study the composition of different elements and structures on planets. Remote sensing refers to making measurements without ... into ...

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Using Light to Study Planets

Researchers at the National Institute of Standards and Technology (NIST) have upgraded their laser frequency-comb instrument to simultaneously measure three airborne greenhouse gases — nitrous oxide,

...

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Laser “ Comb ” Systems Now Measure All Primary Greenhouse Gases in the Air

A non-faradaic label-free cortisol sensing platform is presented using a nanowell ... for performing real-time measurements. We used a potentiostat (Gamry Instruments, Warminster, PA, USA) to ...

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Single-step label-free nanowell
immunoassay accurately quantifies serum
stress hormones within minutes

Nathan Carman went fishing with his mom.
A week later, he was found on a life
raft—alone. Tragic accident or murder?
Ocean sensors may point to the truth.

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A Son Is Rescued at Sea. But What Happened to His Mother?

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and typically use wavelengths near the infrared part of the light spectrum.

Bathymetric: These systems are designed to measure landscapes underwater, like riverbeds or the ocean floor, and they ...

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from BDC Capital to Accelerate Their
Biologically Based Water Quality Sensors.

Researchers at Stanford University found a new method for seeing through ice sheets using radio signals from the sun that could enable cheap, low-power and widespread monitoring of ice sheet evolution ...

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Solar radio signals could be used to monitor melting ice sheets, study suggests

Researchers at the National Institute of Standards and Technology (NIST) have upgraded their laser frequency-comb instrument to simultaneously measure three airborne greenhouse gasses—nitrous oxide,

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Read Free Spectrum Sensing Measurement Using Gnuradio And Usrcp Laser 'comb' systems measure all primary greenhouse gases in the air

FREDsense Technologies Corp. announces the closing of a Convertible Debenture valued at \$2.5 million from BDC Capital ' s Cleantech Practice.

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