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GRCon18 - Development of GNU Radio Blocks for Spectrum Sensing Transmitting and Spectrum Sensing - USRP + GNU Radio Cognitive Radio: Spectrum Sensing

Portable spectrum sensing platform

GNU Radio with Spectrum Analyzer

Spectrum Sensing / 4 Channels - GNU Radio + USRP Part 1 #HITBCyberWeek #CommSec D1

WORKSHOP - Signal Processing With GNURadio And SDRs European Frequency and Time

Symposium tutorial 1/3: PRN and GPS decoding using SDR (J.-M Friedt) [Spectrum sensing in cognitive](#)

[Radio and Frequency Hopping Spread Spectrum in Un-Coordinated CR](#) [SpecNet: Spectrum Sensing](#)

[Sans Frontières Spectrum Sensing / 4 Channels - GNU Radio + USRP Part 2](#) ~~gnuradio function probe~~

~~part2+frequency sweep~~ ADALM PLUTO Full Duplex Software Defined Radio

How to Detect Drones, Predict the Weather and MORE! RTL-SDR NooElec GSM Sniffing: Voice

Decryption 101 - Software Defined Radio Series #11 Going Deeper Into GNURadio Companion, Hak5

1601 Using GNU Radio Companion Part 1 GNURadio FM Receiver [spectrum analysis](#) [What is GNU](#)

[RADIO? What does GNU RADIO mean? GNU RADIO meaning, definition \u0026 explanation](#) [FM](#)

[RDS Reception with GNURadio and RTL SDR](#) [What is COGNITIVE RADIO? What does](#)

[COGNITIVE RADIO mean? COGNITIVE RADIO meaning \u0026 explanation](#) GRCon19 - Spectrum

Monitoring Network: Tradeoffs, Results, and Future Directions by Peter Mathys GRCon19 - A decade

of gr-specest -- Free Spectral Estimation! by Martin Braun [GNU Radio \u0026 RTL SDR FM Spectrum](#)

[Analyzer](#)

Exploring the radiofrequency spectrum with GNU Radio 3.7 ~~Measurement Campaigns for Spectrum~~

~~Occupancy~~ GRCon18 - Advances in Machine Learning for Sensing and Communications Systems #253:

How to capture \u0026 analyze WiFi WLAN signals off-the-air with an RSA | RSA306B 802.11

GRCon18 - Army Signal Classification Challenge [Spectrum Sensing Measurement Using Gnuradio](#)

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](#)

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](#)

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](#)

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Nvidia and InterDigital also are among the 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 Technology Ministry - Anadolu Agency ...

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 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.

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 ...

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, ...

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 ...

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.

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

The following is our second annual review of the best infection prevention products, highlighting companies whose products are most promising for helping patients and the healthcare workforce avoid ...

Best Infection Prevention Products 2021

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 ...

What is lidar technology, and what can it do?

FREDSense has developed a biologically based breakthrough technology for rapidly measuring ... By using microorganisms, FREDSense builds custom electrochemical sensors that provide rapid and ...

FREDSense Technologies Raises \$2.5M 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, ...

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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