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### **Direct Detection Ladar Systems Spie**

ARLINGTON, Va., 22 April 2013. Electro-optical sensor experts at Lockheed Martin Corp. and DRS Technologies Inc. are joining a U.S. military research program to develop laser detector array and ...

**DRS and Lockheed Martin join DARPA LRT program to**

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## **develop new laser radar technologies**

Nulling interferometry is a technique combining lights from different telescopes or apertures to observe weak sources nearby bright ones. The authors report the first nulling interferometer ...

## **Scalable photonic-based nulling interferometry with the dispersed multi-baseline GLINT instrument**

Join STMicroelectronics online for the SPIE Photonics West 2021 Digital Forum ... rangers or for example face detection.

## **SPIE Photonics West 2021**

laser systems, radar, and lidar event - happening online from April 12-16, 2021. Visit LightPath's virtual booth to view a presentation about D-R-I: Detection, Recognition, and Identification ...

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## **LightPath Announces Participation in DCS Digital Forum**

MKS Instruments unveiled what it says is the industry's first noncontact laser-beam monitoring system intended for additive manufacturing. Apr 3rd, 2018 At this year's SPIE Photonics West (San ...

## **MKS unveils noncontact laser beam monitoring system for additive manufacturing**

White dwarfs have masses similar to the Sun, but are only the size of the Earth. Many are found in binary systems with other stars or white dwarfs, a few of which are aligned with the Earth such that ...

## **Dr Steven Parsons**

Apertures and secondary support structures selected for the study (12m diameter or 12m flat-to-flat diameter). To meet the challenge of segmented and obscured aperture coronagraphy,

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the ExEP's ...

## **Segmented Coronagraph Design and Analysis (SCDA)**

detection of signals in NMR and MRI, direct detection of magnetic fields from the heart and the brain, magnetic microscopy, and measuring magnetic fields in space. In this review we describe the ...

## **Optical magnetometry**

The goal is to develop microelectronics technology for optoelectronic microsystems such as transceivers for telecommunications, coherent optical systems for laser radar (LADAR) sensors and ...

## **DARPA asks industry for ways to blend electronic, photonic, and MEMS components on one silicon chip**

Collectively, these innovations enabled ultrafast detection of IR-

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induced photothermal signals in a widefield manner. The widefield photothermal imaging system is based on a widefield reflection ...

## **Ultrafast chemical imaging by widefield photothermal sensing of infrared absorption**

321. Kent, Martin Moyeed, Rana A. Reid, Catherine L. Pakeman, Robin and Weaver, Ruth 2006. Geostatistics, spatial rate of change analysis and boundary detection in plant ecology and biogeography.

## **Spatial Analysis**

That makes direct photon detection too costly and cumbersome ... counts as they shrink pixel spacing. At the 2011 SPIE Defense, Security + Sensing (DSS) Symposium, Stephen Black of Raytheon Vision ...

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## **PHOTONIC FRONTIERS: ROOM-TEMPERATURE IR IMAGING: Microbolometer arrays enable uncooled infrared camera**

As a development and production partner, the Light & Optics division focuses on advancing cutting-edge technologies to improve our customers' system performance and ultimately realize product outcomes ...

## **JENOPTIK Light & Optics**

Description: Updated for 2020, this course presents the fundamentals of the operation of the broad range of semiconductor photonic devices used for light generation, modulation, manipulation, ...

## **Semiconductor Light Sources**

It is widely expected that cuts in defense and security budgets are coming as governments across the world grapple with the fiscal fallout from the COVID-19 crisis. To ensure that these cuts

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## **Information Systems News**

Schottel, the manufacturer of propulsion and steering systems for ships and offshore applications, has made a strategic decision to merge its tidal energy businesses into Sustainable Marine Energy ...

## **Offshore Applications News**

Previous studies by NMMB's predecessors have covered a diversity of timely, consequential topics including global supply chains and national security, real-time detection of damage ... and we do not ...

## **About the National Materials and Manufacturing Board**

Control and Decision Making in Multiagent autonomous Systems  
(P) 1.23m (joint project with Southampton) EP/F037570/1

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Engineering Autonomous Space Software (P) 421k EP/E02677X/1  
Methods of Reliability ...

## **Professor Sandor M. Veres**

Dissertation/Thesis Title: Certificate of Future Professoriate Ph D:  
Electrical Engineering, (2006), Virginia Tech. - Virginia  
Dissertation/Thesis Title: Label-free DNA Sequence Detection  
Using ...

Copyright code: [d41d8cd98f00b204e9800998ecf8427e](https://doi.org/10.1115/1.2141414).