







Hyperfine Spectrometer A sub-picometer resolution

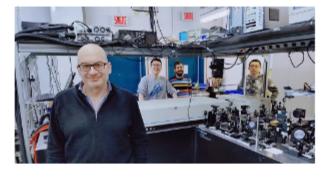
spectrometer in a compact package.

.: Top Stories

Efficiency A research group at Institut national de la recherche scientifique (INRS)

Metal-Wire Waveguides Deliver Unparalleled THz Network

in Quebec has achieved broadband terahertz (THz) signal processing by directly engineering the wire surfaces of metal-wire waveguides. The approach allowed multiscale-structured Bragg gratings to be directly etched on metal wires without the need to introduce additional materials. Read Article

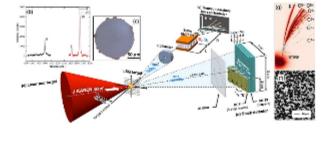


world's thinnest and strongest graphene target with the ultra-intense J-KAREN laser at Kansai Photon Science Institute at QST in Japan The research supports the potential to develop compact and efficient laserdriven ion accelerators for cancer therapy, laser nuclear fusion, and more. Read Article

Osaka University researchers and their colleagues have reported direct

Graphene Target Withstands Direct Ion Acceleration

energetic ion acceleration by irradiating what they claim to be the



Researchers at the Fraunhofer Institute for Production Technology IPT, in collaboration with five industry partners, have equipped a laser

OCT Expands Wire-Based Laser Material Deposition's

metal deposition (LMD) system with an OCT system. The combination mechanism enabled the scientists to successfully record the welding process in progress, and made it possible to control the quality and process during use, which reduces scrap. Read Article

.: Featured Products



HyperFine Brillouin

Spectrometer

Sunshade® Thermal Control



Range of Uses

Deposition Sciences Inc. (DSI)

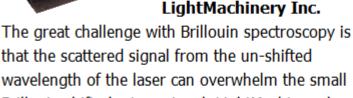
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Covesion 1 µm Waveguide Product Range



Brillouin shifted return signal. LightMachinery has combined its leading-edge HyperFine spectrometer with a very narrow band tunable filter to suppress the bright un-shifted laser frequency. Visit Website Request Info

DoF IMU

Pulse-40 Tactical Grade 6



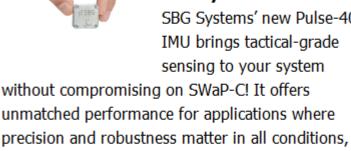
Covesion Ltd. Covesion New Product Launch Spring 2022: PPLN

Waveguides for Second Harmonic Generation (SHG) at ~1 µm input wavelength

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Precision at it's Finest

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SBG Systems' new Pulse-40 IMU brings tactical-grade

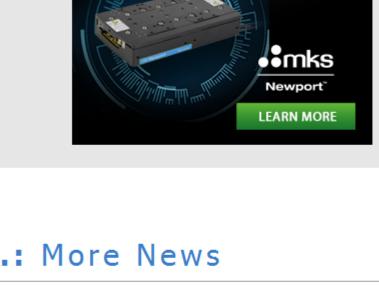
without compromising on SWaP-C! It offers

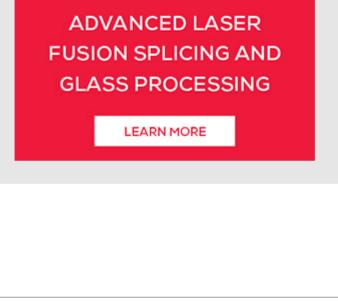
SBG Systems SAS

sensing to your system

discover this new 6DoF Pulse-40 IMU. Visit Website Request Info

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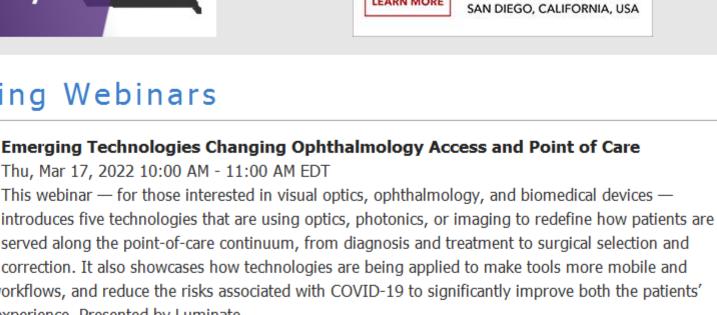
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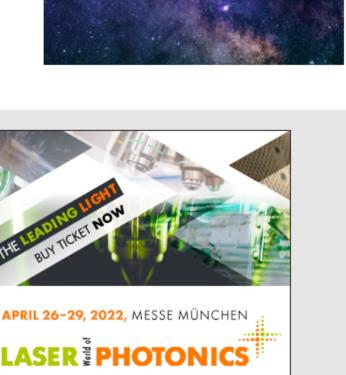
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.: All Things Photonics

and the practitioners' experience. Presented by Luminate.

Building on the first episode of the season, University of California, Santa Barbara scientists **Philip Lubin** and **Joel Rothman** discuss Project Starlight, a NASA project that intends to send microscopic worms — among other creatures — into space. Lubin, the brainpower behind the directed energy facet of the project, identifies the considerable photonic advances that must be made before achieving atmospheric flight.

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