





.: Top Stories

Bawendi, Brus, and Ekimov Earn Nobel Prize in Chemistry for Work with Quantum Dots Moungi Bawendi, Louis Brus, and Alexei Ekimov have been awarded

the 2023 Nobel Prize in chemistry for the discovery and development of quantum dots, which are nanoparticles small enough that their size determines their properties. These discoveries have led to advancements in nanotechnology that are now used in products such as televisions, LED lamps, QLED screens, and technology that allows biochemists and doctors to map biological tissue. Read Article



Pierre Agostini, Ferenc Krausz, and Anne L'Huillier have been awarded the 2023 Nobel Prize in physics for experimental methods that

Agostini, Krausz, L'Huillier Earn Nobel Prize in Physics for

Inference Requests

Work on Attosecond Pulses

generate attosecond pulses of light for the study of electron dynamics in matter. The work of the laureates has developed and enabled new tools to explore the movement of electronics inside atoms and molecules, movement that occurs at extremely short timescales. Read Article



alongside shrinking computing resources. As computers approach the limits of their power according to Moore's law, the need to design

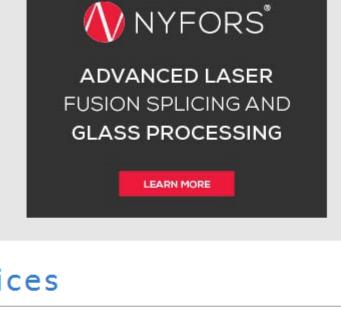
Photonic-Electronic NIC Serves Live Machine Learning

A burgeoning growth in machine learning applications is occurring

platforms that support the computational demands of machine learning applications intensifies. Lightning, a hybrid computing platform developed by an MIT research team, is the first photonic computing system to serve machine learning inference requests in real time. Read Article







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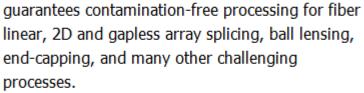
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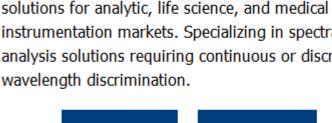
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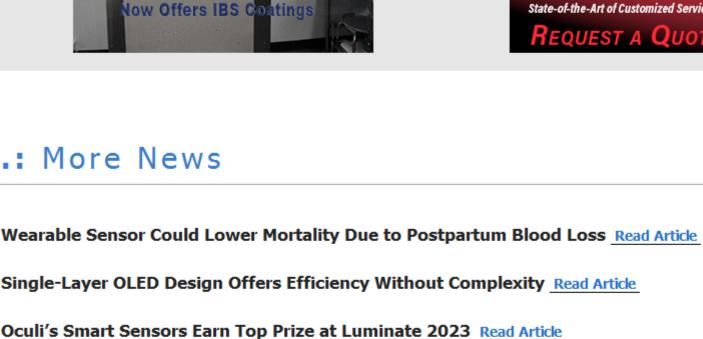
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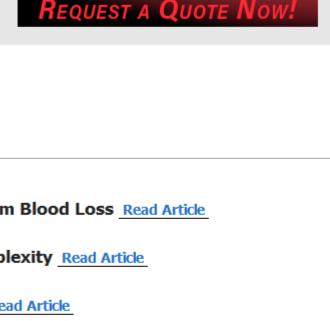
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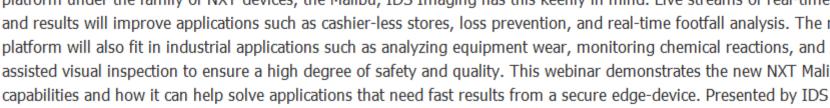


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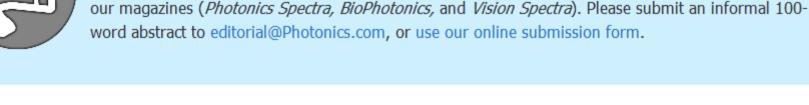
microscopy, expanding research capabilities from visible to SWIR spectral ranges. New versatile light

wavelengths allows visualization of previously unseen features with deeper imaging capabilities. The X-Cite® light sources deliver high excitation power across UV, VIS, and NIR, while the PCO® InGaAs camera ensures seamless imaging, making them essential tools for advanced biomedical research. Presented by Excelitas Technologies Corp. Register Now

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