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#### Incom, Inc. - Advances Fiber Optic Improvements in Digital Radiography.

Digital X-ray imaging has become a vital resource in the fight against breast cancer. The primary advantages of digital radiography, over conventional film X-rays, include the speed at which a healthcare provider can analyze the images, the ease with which medical records can be stored and accessed for future use, and the overall image quality. Incom's faceplates have become a critical link in the successful application of CMOS technology to digital X-ray equipment. Follow the link below to read more about Incom's advancements in Fiber Optic technology.

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#### Silica-Based Fiber Boosts Broad-Spectrum Spectroscopy

Fibers with a broad optical spectrum are useful in spectroscopic applications because they enable the collection and analysis of more information over a greater wavelength range.

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#### Fiber Optic Switch Controlled by a Single Atom

Fiber optic switches play a vital role in optical communication networks, enabling optical signals to be rerouted to different fiber output ports. Making these switches small enough to manipulate light would enable quantum communication and information technology. A new demonstration of such a switch shows that a single atom can direct light from one fiber optic cable to a second one.

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#### Seeing Cells Through Silicon

A new type of near-infrared microscopy can image cells through a silicon wafer, providing more information about diseased or infected cells flowing through microfluidic devices.

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#### Fiber Optics' Versatility Helps Market Grow

As diagnostic and treatment technologies evolve and increasingly turn to light, medical device manufacturers increasingly turn to fiber optic components and systems to deliver that light to tissues and organs. They might as well - the market is not only strong but also expanding, according to industry leaders.

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#### For phasing nanocrystals, size really matters

Size is of much greater importance than previously believed in metal nanocrystals undergoing phase transformations, a finding that has important implications for the future design of hydrogen storage systems, catalysts, fuel cells and batteries.

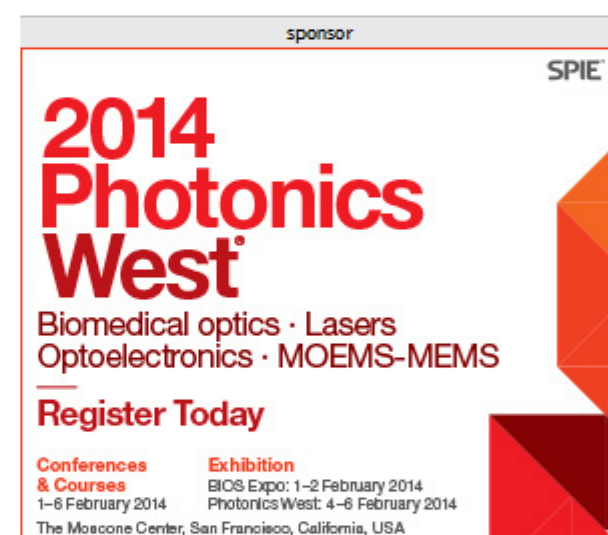
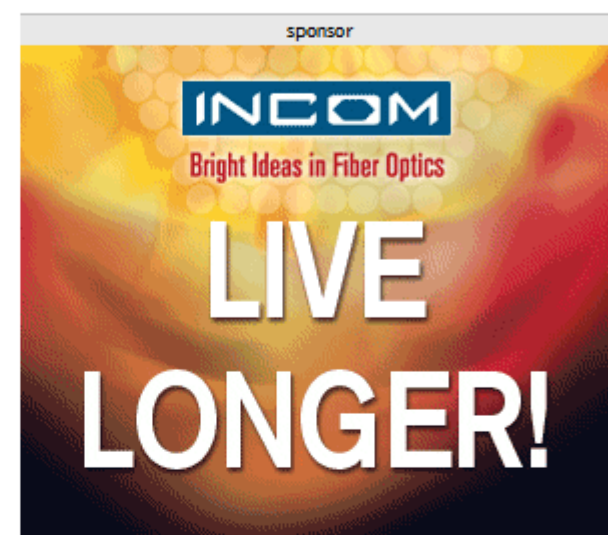
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