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Tucson, Arizona | Published: 04.08.2004

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**Section: Business**

# Photon Forum focus is imaging technology

By David Wichner  
ARIZONA DAILY STAR

Companies participating in Photon Forum 2004, presented new imaging technologies, optical systems for tracking livestock and chemical



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and biological-agent sensing.

Tuesday focused on optics technologies for biotechnology and biomedical applications.

Though relatively small, the forum allowed chief executive officers and senior technical officials from companies including Sony Corp., Roche Pharmaceuticals and JDS Uniphase

Corp. to hear presentations on cutting-edge optical technologies and to mingle with venture-capital investors, said Kathleen Perkins, CEO of forum co-organizer Breault Research Organization Inc.

Perkins said Breault and co-organizer PennWell Corp., a major business media company based in Tulsa, Okla., tentatively plan to hold the event again next year in Tucson.

Among other forum highlights Wednesday:

◦ Bruce Golden, CEO of Optibrand Ltd. of Fort Collins, Colo., explained the firm's system of identifying and tracking cows and other livestock by optically recording the pattern of blood vessels on their retinas, or the back inside eye walls.

◦ Don Arnone, CEO of United Kingdom-based TeraView Ltd., showed the

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firm's "terahertz" imaging technology, which operates in a wavelength between visible and radio spectrum ranges to produce three-dimensional images.

Used to scan human tissue, clothing, packaging and other materials, the terahertz technology can reveal plastic explosives and other materials undetectable by current means, as well as revealing tissue structures of cancer tumors and molecular structures of drugs.

° Contact reporter David Wichner at 573-4181 or [wichner@azstarnet.com](mailto:wichner@azstarnet.com).

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