

FOR IMMEDIATE RELEASE

## **Biophotonic Solutions Inc. Founder Marcos Dantus to Present at OSA Frontiers in Optics Event**

**EAST LANSING, Mich., September 25, 2014** – [Biophotonic Solutions Inc.](#) (BSI), the world leader in automated [laser pulse compression](#), announces that company founder Dr. Marcos Dantus will give an invited presentation at The Optical Society's (OSA) upcoming Frontiers in Optics (FiO) conference. Scheduled for October 22, 2014, in Tucson, Arizona, Dr. Dantus' talk will cover the Dantus Research Group's work on laser-based standoff detection of explosives.

Dr. Dantus is a professor of chemistry and physics at Michigan State University (MSU) and the founder and chief technology officer at BSI. The Dantus Research Group at MSU has developed an ultrafast laser-based technique for detecting microcrystals on the surface of various materials from several meters away. Ultimately, the aim is to create a highly accurate standoff detection system that is safe and rugged enough for use at airports and similar locations that routinely screen people, luggage, cargo and other surfaces for traces of explosives.

The technique requires ultra-short laser pulses in the 12 femtosecond range, which have been compressed and shaped using BSI's proprietary "[MIIPS](#)" technology. MIIPS provides automated [ultrafast laser pulse measurement](#), compression, and shaping in real time, delivering optimized laser pulses to the target on demand.

"BSI is proud of the standoff detection work that Marcos Dantus and his MSU team are doing and that MIIPS technology plays an important role," said BSI CEO Kiyomi Monro. "MIIPS allows users to generate tailored femtosecond-range pulses from a laser reliably and automatically, opening up new possibilities for femtosecond laser use in a host of demanding applications."

Dr. Dantus' presentation, "Single-Beam Stimulated Raman Scattering for sub-Microgram Standoff Detection of Explosives," is scheduled for Wednesday, October 22 at 4:00 pm as part of the FiO conference's "Chemical and Biological Sensing II" session. The FiO event will comprise a technical conference October 19-23, with an exhibition October 21-22, and will be held at the JW Marriott Tucson Starr Pass Resort.

Frontiers in Optics 2014 is The Optical Society's 98th annual meeting and is being held together with Laser Science, the 30th annual meeting of the American Physical Society (APS) Division of Laser Science (DLS). The two meetings will unite the OSA and APS communities for five days of quality, cutting-edge presentations, fascinating invited speakers and a variety of special events spanning a broad range of topics in optics and photonics—the science of light—across the disciplines of physics, biology and chemistry. More information is available at [www.FrontiersinOptics.org](http://www.FrontiersinOptics.org).

**About Biophotonic Solutions Inc.**

Biophotonic Solutions Inc. (BSI; [www.biophotonicsolutions.com](http://www.biophotonicsolutions.com)) is the world leader in automated, adaptive femtosecond laser pulse compression and shaping. BSI develops, licenses, and sells cost-effective solutions that drive the ultimate performance from lasers for high-precision imaging, material processing, and other applications where transform-limited ultrafast pulses are desirable at the focal plane. BSI's products, based on exclusively licensed technology, unlock the latent power of ultrafast lasers for industrial, scientific, medical, and defense applications.

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**Contact**

Kiyomi Monro  
Biophotonic Solutions Inc.  
(517) 580-4075  
[kmonro@biophotonicsolutions.com](mailto:kmonro@biophotonicsolutions.com)

**-or-**

Tracy Getz  
Getz PR, LLC  
(541) 928-8996  
[tracy@getzpr.com](mailto:tracy@getzpr.com)