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News Release

Laser-induced damage to large core optical fiber by high peak power laser

BiOS / Photonics West 2013, Booth #8917, Moscone Center, San Francisco, CA February 2, 2013 - OFS, a leading designer, manufacturer and supplier of innovative fiber optic products, announced the presentation, on Saturday February 2, 2013 at the SPIE BiOS/Photonics West Conference, of a paper titled “Laser-induced damage to large core optical fiber by high peak power laser,” authored by Dr. Xiaoguang Sun and Dr. Jie Li.

“In this paper we describe our experiment with laser-induced damage to large core multimode step index optical fiber,” explained Dr. Sun “The laser used has a peak power up to 400kW and average power of 160W. A different failure mode of fiber was observed from those discussed in our previous studies with a lower laser power level. We have tested different types of fibers with a high power laser in a two point bend tester,” he continued. The results will enable us to gain more knowledge about the new failure mechanism and optimize fiber design for delivering high peak laser power.

For more information stop by our booth #8917 at BiOS or booth #917 at Photonics West.

About OFS

OFS is a world-leading designer, manufacturer and provider of optical fiber, optical fiber cable, connectivity, FTTX and specialty photonics solutions. Our marketing, sales, manufacturing and research teams provide forward-looking, innovative products and solutions in areas including Telecommunications, Medicine, Industrial Automation, Sensing, Government, Aerospace and Defense applications. We provide reliable, cost effective optical solutions to enable our customers to meet the needs of today’s and tomorrow’s digital and energy consumers and businesses.

OFS' corporate lineage dates back to 1876 and includes technology powerhouses such as AT&T and Lucent Technologies. Today, OFS is owned by Furukawa Electric, a multi-billion dollar global leader in optical communications.

Headquartered in Norcross (near Atlanta) Georgia, U.S., OFS is a global provider with facilities in China, Denmark, Germany, Russia, and the United States.

For more information, please visit www.ofsoptics.com.

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