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News Release

Effects of sterilization methods on key properties of specialty optical fibers used in medical devices

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 will present a paper entitled “Effects of sterilization methods on key properties of specialty optical fibers used in medical devices,” at the SPIE BiOS/Photonics West Conference Saturday, February 2, 2013.

“Optical fibers with different types of polymer coatings were exposed to three sterilization conditions: multiple autoclaving, treatment with ethylene oxide, and treatment with gamma rays.” Explains Dr. Stolov, the author of the paper. “The effects of different sterilization techniques on key optical and mechanical properties are reported. Primary attention is given to the behavior of coatings in harsh sterilization environments,” he continued. The following four coating/buffer types were investigated: (i) dual acrylate, (ii) polyimide, (iii) silicone/PEEK and (iv) fluoroacrylate hard cladding/ETFE.

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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