

Rare Earth Doped Fibers for use in Fiber Lasers and Amplifiers



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The advances in performance of fiber lasers have been dramatic in the last 10 years, making fiber lasers a commercial business worth over \$500M/year. All of this is made possible by the unique performance attributes of rare earth doped silica fibers which is at the heart of each of these laser systems. In this webinar we will describe the key parameters of these fibers, including the use of large mode area (LMA) fibers for high power CW lasers as well as pulsed fiber lasers, along with the key other fiber-based components needed to make a fiber laser. The common rare earth dopants for silica fibers, namely Ytterbium, Erbium, Thulium and Holmium will also be described, along with some of the commercially relevant devices that are enabled by these fibers.

PRESENTERS:

Fiber Product Line Manager
Dr. George Oulundsen

Dr. Oulundsen served as Distinguished Member of Technical Staff in the areas of MM fiber design and processing focusing on fibers for 10/40/100 GBE at OFS. He has served on several IEEE standards committees and was Secretary of the IEEE P802.3ba 40Gb/s and 100Gb/s Ethernet Task Force. He worked for Lucent Technologies and started his career at Spectran Corporation. He received his Ph.D. in Chemical Engineering from University of Massachusetts-Amherst and his B.S. degree in Chemical Engineering from Worcester Polytechnic Institute.



He is an inventor on several patents and has been published in numerous industry journals.

VP Business Development
Dr. Bryce Samson

Dr. Samson served as Senior Research Scientist in the areas of doped fibers, fiber amplifiers and fiber lasers at Corning and worked as a Research Fellow at the University of Southampton focusing on novel fibers and fiber device physics. He received his Ph.D. in Physics from Essex University in the UK and his B.S. degree in Applied Physics from Heriot-Watt University in Edinburgh, UK.



He is an inventor on several patents and has been published in numerous industry journals.

Title: *Rare Earth Doped Fibers for use in Fiber Lasers and Amplifiers*
Date: Monday, November 4, 2013
Time: 1:00 PM - 2:00 PM EST

After registering you will receive a confirmation email containing information about joining the Webinar.

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PC-based attendees
Required: Windows® 8, 7, Vista, XP or 2003 Server

Mac®-based attendees
Required: Mac OS® X 10.6 or newer

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