

ARBOR PHOTONICS

PRESS RELEASE

Arbor Photonics Obtains Exclusive License for Chirally-Coupled Core Optical Fiber from University of Michigan

Ann Arbor, MI, August 13, 2008: Arbor Photonics has signed an exclusive license agreement for Chirally-Coupled Core Optical Fiber with the University of Michigan. The agreement grants Arbor Photonics rights to commercialize the fiber and devices enabled by the innovative design for lasers, optical amplifiers and laser beam delivery. The Chirally-Coupled Core concept, dubbed “CCC” or “3C” fiber, is a revolutionary type of optical fiber that utilizes an internal structure to produce single spatial mode output from very large mode area fibers, and was invented by Prof. Almantas Galvanauskas at the University of Michigan Center for Ultrafast Optical Science. The technology provides the basis for a breakthrough in laser performance that will be exploited by Arbor Photonics to produce high power, short pulsed, single mode fiber lasers bringing significant benefits to laser applications in microelectronics, solar cell manufacturing and defense.

According to Arbor Photonics CEO, Philip Amaya, “We believe that 3C fiber technology will enable fiber lasers with unprecedented performance in terms of average power, peak power and brightness. Feedback from end users and OEMs in microelectronics and solar cell manufacturing indicates that higher average power, short pulsed lasers are needed to improve manufacturing cycle time and reduce production costs. We’re very excited that our first generation of 3C fiber lasers will help customers achieve this by delivering 2 to 4 times higher average power than is presently available”.

Arbor Photonics is currently developing fibers and components for short pulsed fiber lasers with several times more average and peak power than is available from state of the art fiber lasers. Lab demonstrations are ongoing with 3C fibers to show the full potential of the technology.

About Arbor Photonics: Arbor Photonics (www.arborphotonics.com) is committed to providing high power laser solutions that increase productivity and enable new capabilities for advanced laser materials processing and defense applications. We are developing highly reliable fiber lasers that feature an unmatched combination of beam quality and optical power. These lasers can enable dramatic improvements in throughput and processing speed in microelectronics manufacturing, solar cell processing and industrial materials processing applications.

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