ARBOR PHOTONICS

PRESS RELEASE

Arbor Photonics Receives SBIR Phase I Funding for High Energy, Ultrashort Pulsed Fiber Lasers

Ann Arbor, MI, July 22, 2011: Arbor Photonics, Inc.has been awardeda Small Business Innovation Research (SBIR) Phase I contract from the U.S. Army to develop a Compact and Rugged Femtosecond Laser for Hazardous Material Detection. Thegoal of the program is to develop >100 microjoule (μJ), <100 femtosecond (fs) fiber lasers based on Arbor Photonics' proprietary 3C™ (Chirally-Coupled Core) optical fiber.

The 3C fiber conceptis a revolutionary type of optical fiber that utilizes an internal structure to produce single spatial mode output from very large core fibers.3C fiber has previously been used to amplify nanosecond pulses with up to 100 kW peak power and 100 W average power with exceptional beam quality (M^2< 1.1). According to Phillip Amaya, CEO of Arbor Photonics, "This grant will extend the use of 3C fiber to amplification in the ultrashort pulse operating regime, and, in conjunction with other novel components, will enable a laser system with performance beyond that of commercially available ultrafast lasers."

The targeted performance, when produced in a compact and robust format, will permit significant progress toward the Army's goalof accurate and sensitiveremote detection of hazardous materials. Arbor Photonics will also develop commercial applications forthis technology.

About Arbor Photonics: Arbor Photonics (www.arborphotonics.com) is committed to providing high power fiber 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 andoptical power. These lasers can enable dramatic improvements in throughput and processing speed in microelectronics manufacturing, solar cell processing and industrial materials processing applications.

Contact: Michelle Stock
Director of Business Development
Phone: (734) 417-1079

Arbor Photonics, Inc.
251 Jackson Plaza, Unit A1
Ann Arbor, MI 48103
www.arborphotonics.com