

FOR IMMEDIATE RELEASE

Chiral Photonics Receives Phase II STTR Grant to develop chiral sensor platform

\$500,000 award helping develop platform that has already yielded 1000 °C fiber optic temperature sensor

Pine Brook, New Jersey – Chiral Photonics, Inc. announced it has been awarded \$500,000 in a Small Business Technology Transfer (STTR) Phase II grant from the National Science Foundation (NSF). The grant will be used to develop a novel optical fiber sensor platform capable of measuring temperature, pressure, strain, axial twist, liquid levels and other environmental variables. Sensor gratings are microfabricated into a monolithic fiber and can be made in materials optimal for the application. Sensors, therefore, can be tailored for harsh environments where they may be exposed to extreme temperatures, corrosive chemicals or high radiation. As optical fiber sensors, they are also immune to electromagnetic interference, have fast response time, can be remotely operated and pose no electrical ignition hazard such as might be of concern in the presence of combustible fuels.

The sensor technology was designed for a wide variety of challenging applications ranging from smelt furnace operations to turbine engine service and design to nuclear power station monitor and control. The enhanced range of conditions under which these sensors function relative to conventional electrical and optical sensors will have an impact across the economy and will make these Chiral Fiber Sensors a rapidly growing segment of the multi-billion dollar sensor market.

Chiral Photonics appreciates the NSF's investment towards advancing this technology. This award also opens an opportunity towards additional Phase IIb matching investments as industrial partners invest in tailoring this platform toward specific applications.

For details please visit our website: www.chiralphotonics.com/web/1000Ctempsensor.html

About Chiral Photonics, Inc.

Chiral Photonics, Inc. is the world-leading provider of in-fiber photonics. Chiral Photonics fulfills the photonic world's demand for performance and ease of integration by uniting the unparalleled functionality of optical fiber with low-cost, high-volume manufacturing across a full array of sensor, filter and laser products.

Chiral Photonics is located in Pine Brook, New Jersey and more information can be found on their website at www.chiralphotonics.com

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High resolution photos available at:

http://chiralphotonics.com/Web/press_images.html (Temp Sensor)

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