

For immediate release:

Chiral Photonics (CPI) introduces all-fiber, spot size converting interconnects for efficient and robust coupling to photonic integrated circuits

Available to impact how you couple to waveguides, even sub-micron dimensioned, with demonstrated fiber-to-chip coupling losses of approximately 1.8 dB.

A recent OFC/NFOEC 2009 presentation details the findings of Christopher Doerr, Ph.D. of Bell Laboratories Alcatel-Lucent as he implemented these interconnects. These in-fiber interconnects are giving the eleven-year-old New Jersey company an important stake in the fast paced, high growth photonic integrated circuit (PIC) market. Dr. Doerr presented results of standard fiber butt-coupled to an uncoated InP ridge waveguide via these interconnects, achieving fiber-to-chip coupling losses of approximately 1.8 dB.

	Lensed Fiber	Integrated spot size convertor on PIC	CPI's in-fiber, spot size converting interconnect
Less complex and less costly InP process	Yes	No	Yes
Supports mode field dimensions to 1 micron and smaller	No	Yes	Yes
Eliminates air gap to improve package robustness	No	Yes	Yes
Maintenance of polarized light	No	No	Yes
Supports arrays with channel spacing < 20 microns	No	No	Yes

In the race to support high-speed photonic circuits, CPI offers its proprietary, dual-core, dense photonic interconnection technology. These interconnects enable the highest coupling efficiencies, maximum integration and most robust package performance. Speak to us about how we can help you maximize your PIC performance.

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, USA and more information can be found on their website at <http://chiralphotonics.com/Web/coupler.html>

High resolution photos available at:
http://chiralphotonics.com/Web/press_images.html

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