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## **Corning Incorporated, Leading-Edge Optical Fiber Manufacturer, to Receive 2009 IEEE Corporate Innovation Recognition**

*Breakthrough Flexible Optical Fiber Expanded High-Speed/High-Definition Services  
to More Consumers*

**PISCATAWAY, N.J. – 22 June 2009** – Corning Incorporated, a company that has become synonymous with optical fiber for its groundbreaking improvements to the technology, is being honored by IEEE with the 2009 IEEE Corporate Innovation Recognition. IEEE is the world's largest technical professional association.

The award, sponsored by IEEE, recognizes Corning for sustained, outstanding contributions to optical fiber technology and in particular the recent development of highly flexible fiber enabling applications breakthroughs. The award will be presented on 25 June 2009 at the IEEE Honors Ceremony in Los Angeles, Calif. For the first time, the IEEE Honors Ceremony will be broadcast live on the Web through IEEE.tv ([www.ieee.tv](http://www.ieee.tv)).

Optical fiber makes possible the delivery of high-bandwidth communications to the world, carrying the transmission of data when using the phone, Internet, or viewing a high-definition television program or movie. However, standard single-mode optical fiber loses signal strength when it is bent around tight corners, which is a common obstacle faced when installing it in multiple-dwelling units, and working around this limitation is time consuming and costly for telecommunications carriers. Corning has solved this challenge with flexible optical fiber.

Corning's ClearCurve<sup>®</sup> optical fiber is 100 times more bendable than standard optical fiber yet with virtually no signal loss, allowing optical fiber cables to be deployed much like copper wire and enabling telecommunications carriers to economically provide high-speed services to more multiple dwelling units. The bend performance is achieved through Corning's nanoStructures<sup>™</sup> technology, which uses engineered nanoStructures in a controlled mesh configuration within the fiber cladding. By making fundamental changes in the way light travels in the fiber, Corning was able to trap the light in the core of the fiber, where it is supposed to travel and virtually eliminating signal loss when the fiber bends. The bending ability of ClearCurve also has allowed Corning to design smaller-form and more aesthetically pleasing designs for use in apartment buildings and condominiums.

ClearCurve was introduced to market in 2007 and was named one of "Time" magazine's "Best Inventions of the Year." It has been purchased by telecommunications companies such as Connexion Technologies and Verizon and has also been optimized for the European multiple-dwelling unit market. Patents are currently pending for the ClearCurve technology.

Corning has made other pioneering advances with their innovative optical fibers, including the development of the first low-loss optical fiber in 1970, utilizing glass as the transmitting medium, which reduced attenuation loss and made glass fibers practical for telecommunications systems. In the 1990s Corning developed the “large effective area fiber” (LEAF), which implemented a larger core size to reduce nonlinear effects, enabling rapid advancements in communications systems.

With headquarters located in Corning, New York, Corning is a world leader in specialty glass and ceramics that makes keystone components which enable high-technology systems for consumer electronics, mobile emissions control, telecommunications and life sciences. Wendell P. Weeks is the chairman and chief executive officer of Corning. Martin J. Curran is currently the senior vice president and general manager of Corning Optical Fiber and is responsible for worldwide development, production and sales of optical fiber.

#### About IEEE

IEEE, the world’s largest technical professional association, is commemorating its 125<sup>th</sup> anniversary in 2009 by Celebrating 125 Years of Engineering the Future around the globe. Through its more than 375,000 members in 160 countries, IEEE is a leading authority on a wide variety of areas ranging from aerospace systems, computers and telecommunications to biomedical engineering, electric power and consumer electronics. Dedicated to the advancement of technology, IEEE publishes 30 percent of the world’s literature in the electrical and electronics engineering and computer science fields, and has developed nearly 900 active industry standards. The organization annually sponsors more than 900 conferences worldwide. Additional information about IEEE can be found at <http://www.ieee.org>.

#### About Corning Incorporated

Corning Incorporated ([www.corning.com](http://www.corning.com)) is the world leader in specialty glass and ceramics. Drawing on more than 150 years of materials science and process engineering knowledge, Corning creates and makes keystone components that enable high-technology systems for consumer electronics, mobile emissions control, telecommunications and life sciences. Our products include glass substrates for LCD televisions, computer monitors and laptops; ceramic substrates and filters for mobile emission control systems; optical fiber, cable, hardware & equipment for telecommunications networks; optical biosensors for drug discovery; and other advanced optics and specialty glass solutions for a number of industries including semiconductor, aerospace, defense, astronomy and metrology.