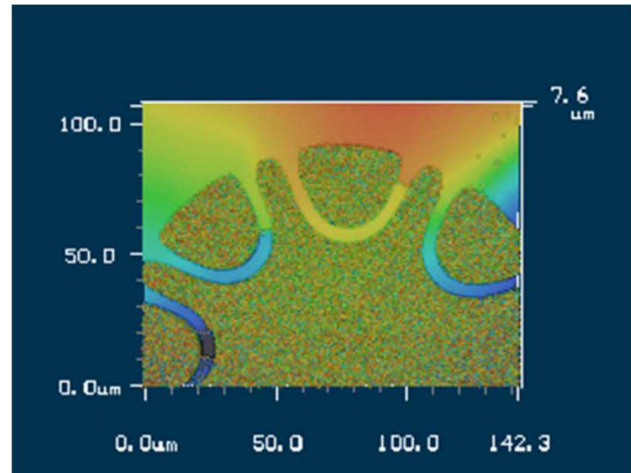
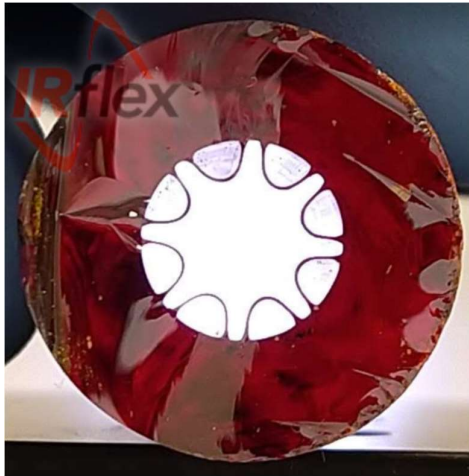


Hollow-Core Fibers for the Rise of Industrial Innovations

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Abstract: Silica hollow-core fibers (HCFs) are leading the way in advanced telecommunications and ultra-short pulse laser transmission. Chalcogenide HCFs will become the holy grail of CO₂ laser transmission at 10.6 microns.



Chalcogenide glass extruded preform (left). Chalcogenide HCF zoom in picture (right).

Biography: Dr. Francois Chenard earned a Ph.D. in Physics from University Laval, Quebec, Canada. For over 30 years, Dr. Chenard has been involved in the research and development of specialty optical fibers. He left the Institut National d'Optique in Canada in 1998 to found CorActive High-Tech, a supplier of specialty optical fiber. In 2006 he founded IRflex Corporation in the U.S. to develop and commercialize mid-infrared optical fibers and devices for industrial, medical, and defense markets.