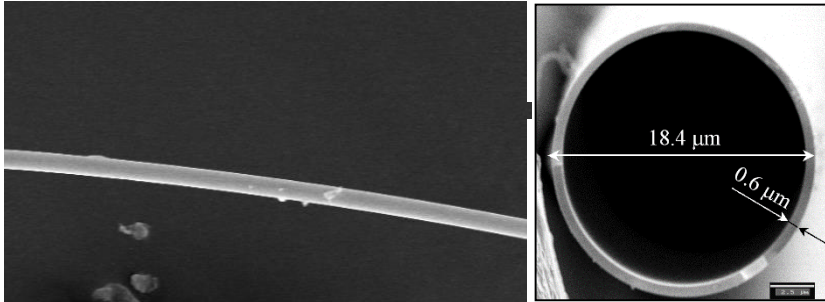


## Microfibers and fiber tapers

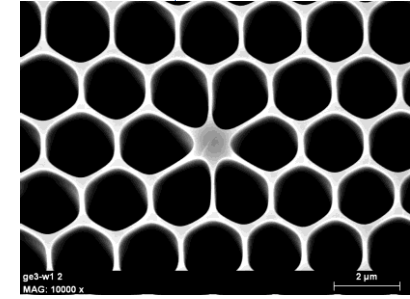
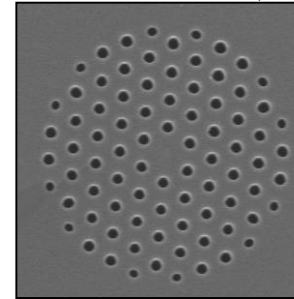
- Fabrication of fiber tapers with full control of the shape of taper transitions and a uniform central waist, using either conventional fibers or PCF

- Microfibers and thin capillaries



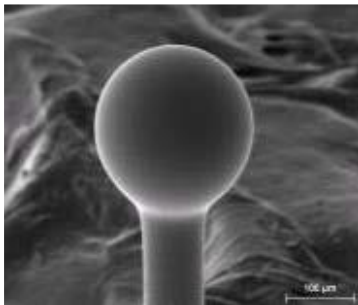
*Microfibers with diameters below 1 μm*    *Micro-capillaries with submicron wall thickness*

- PCF tapering

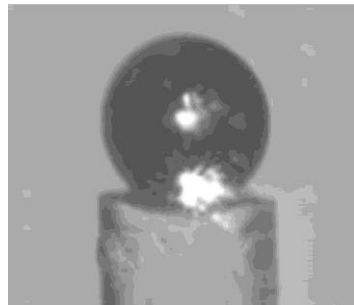


*Highly non-linear tapered PCF*

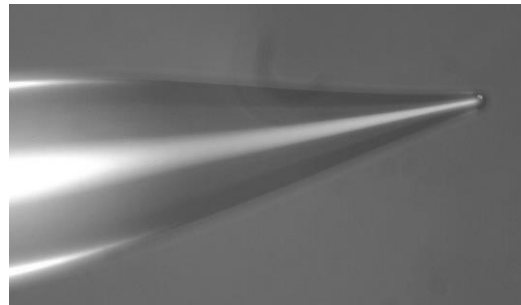
- Microspheres, microbubbles, fiber tips and micro-etched fiber ends



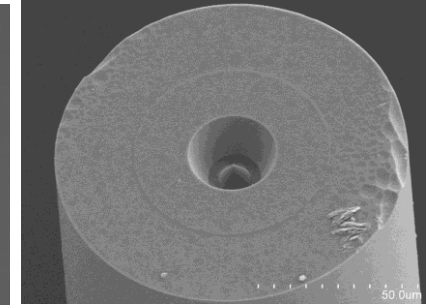
*Microsphere*



*Microbubble: stabilization with special fiber tip*



*Fiber tip for the excitation of whispering gallery modes*



*Micro-etched fiber end*