

# Glass Science, Processing and Optical Properties of Tellurite Fibers

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DMR-Award # 0701526



## GOAL:

*Develop new optical fibers for mid-infrared applications.*

- *Understand the relationship* between a) composition and b) processing/ forming of the glass and the optical properties of the fiber

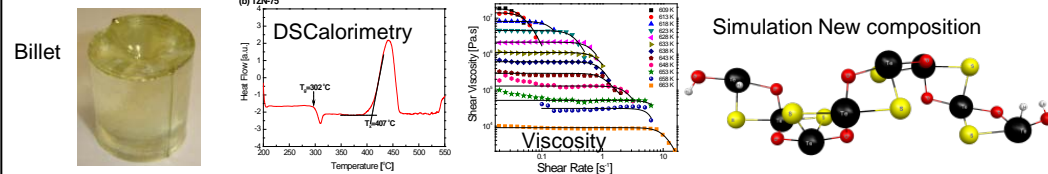
- *Train students* in an interdisciplinary & vertically integrated environment to solve complex materials problems

- *Connect with high tech applications*

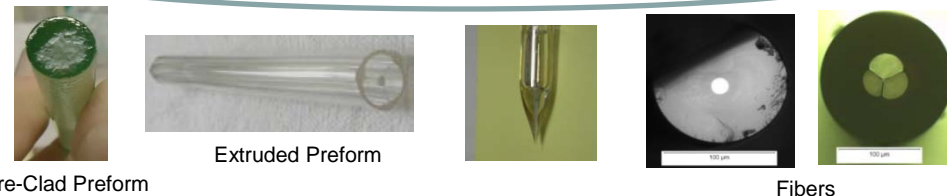


## A Materials Genome Approach:

### Glass Chemistry & Physics



### Glass Forming: Casting- Extrusion - Drawing



### Glass Optics-Fiber Optics

