OPTICAL IMAGING, ATOMIC FORCE MICROSCOPY, AND CHEMICAL IMAGING OF TWO TYPES OF IEPM STRUCTURES.

WE INTERRUPT THE CURING CYCLES OF EPOXY AT VARIOUS TIMES PRIOR TO ADDING THE FAST-CURING POLYUREA.

**IEPM REACTION TYPE I**

**Weixing Sun.** Research Scientist, CCEE. Dr. Sun analyzes infrared spectra of chemical bonds, identification of new bonds in various IEPM, and spread/density of bonds (see above/below)

**Zhenhua Shi.** Ph.D. Candidate, CCEE. Zhenhua works with DMA to identify damping ratios and loss moduli. He also develops molecular dynamics models of various IEPM reactions to capture the statistics of chemical bond structures

**IEPM REACTION TYPE II**

**Li He.** Ph.D. Student, CCEE. Li works on chemical imaging of IEPM for various diffusivity states (see above/below)