

1125-I1-1860

Sarah Katherine Stengle* (stenglesarah@centurylink.net), 586 Smith Avenue South, St. Paul, MN 55107, and **Genevieve Gaiser Tremblay** (gtremblay@cornish.edu). *Criterion of Yielding is a group of drawings with elements from the mathematics of plasticity superimposed on vintage stereoscopic images exploring paths of stress and strain visually and emotionally.*

Criterion of Yielding is a drawing and virtual reality collaboration inspired by mathematical figures used to describe the elasticity or resilience of a material under many possible combinations of stresses and strains. Using historic stereoscopic landscape images from the Robert N. Dennis collection of the New York Public Library as the foundation, these collaborative drawings and animations are layered landscapes exploring how the mathematics of plasticity might apply to our human experience. This talk will present a group of finished drawings and several preliminary animation prototypes. A virtual reality art project will be developed using three-dimensional models extracted from the stereoscopic images animated together with elements taken from the drawings. (Received September 19, 2016)