

Figure 1: Local measurements of dielectric permittivity on different silica films (compared to macroscopic Hg-probe measurements).

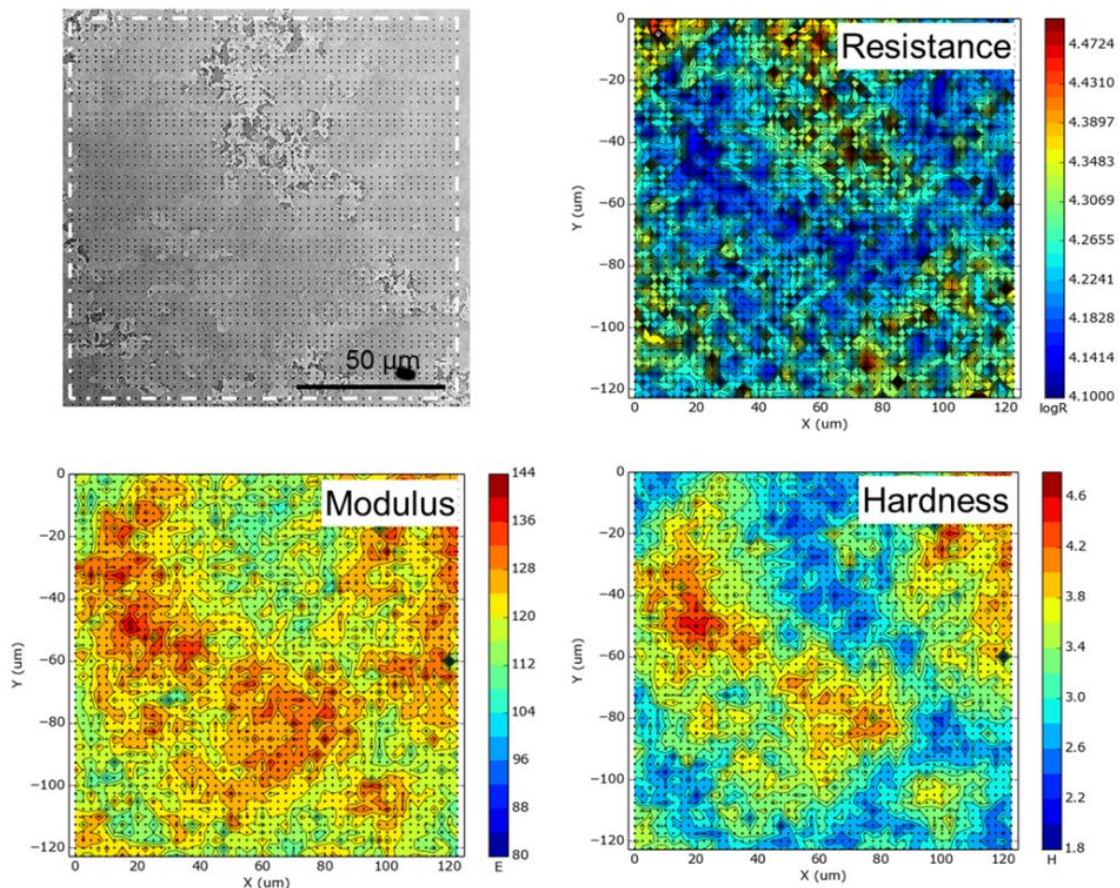


Figure 2: SEM micrograph and the corresponding electrical/mechanical properties of a multiphased metallic alloy.