

Supplementary Material

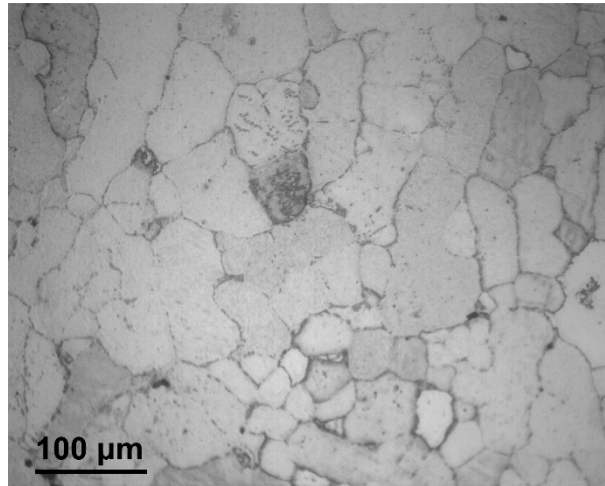


Fig. S1. Representative optical micrograph of the examined Ni-49.1Ni alloy.

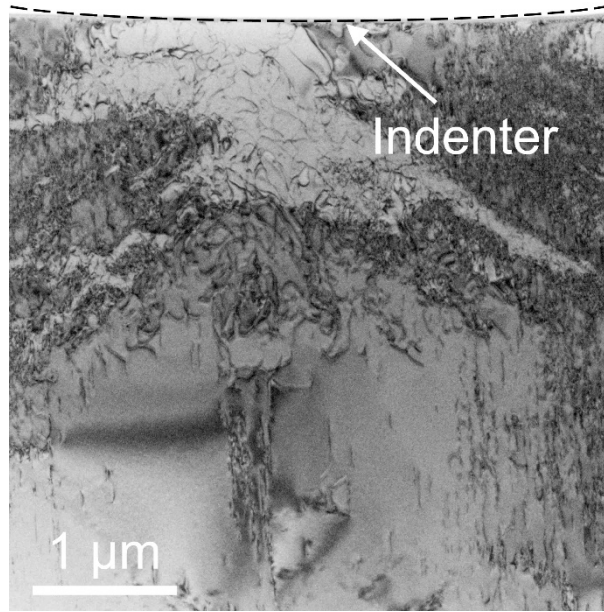


Fig. S2. TEM image for the microstructure of the region underneath the indenter (for $R = 11.51$ μm , $P_{\text{max}} = 70$ mN, $dP/dt = 2$ mN/s), which was taken for comparing with Fig. 2c.