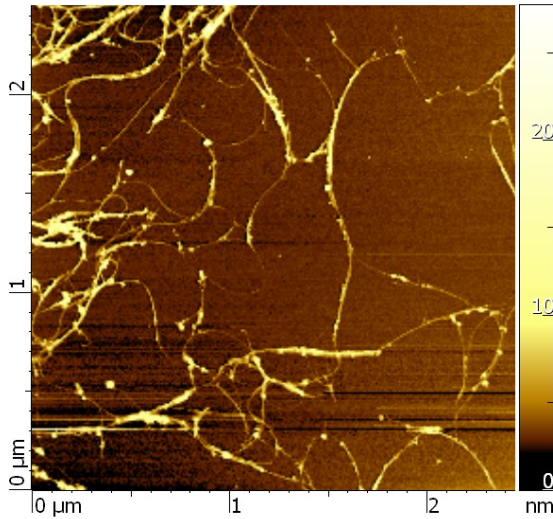


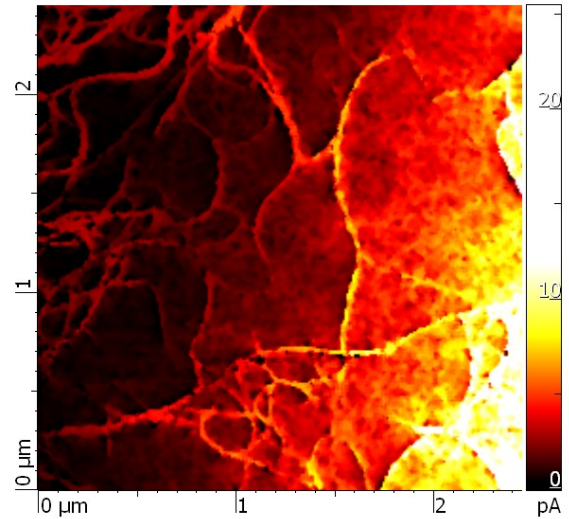
## SmartSPM 1000 - Performance Examples

Investigation of conductive properties of carbon nanotubes on mica using the SmartSPM™ scanning probe microscope in the unique lateral force free Conductive AFM mode

**Topography**

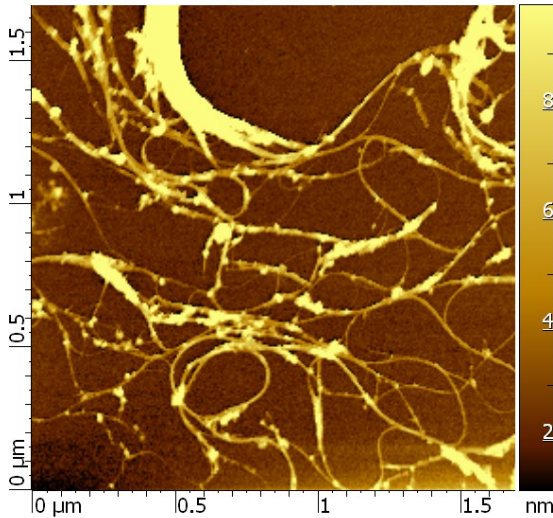


**Current**

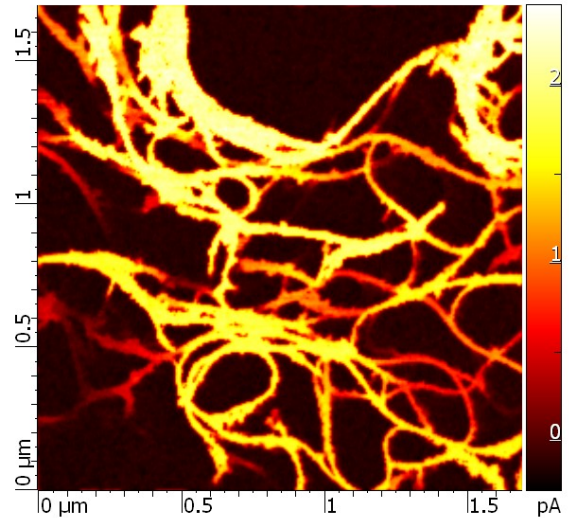


Applied bias voltage 4 mV. In the Conductive AFM image it's clearly seen that there is still some thin Pt layer on the right side and the current is about 10pA, which is 40 times less than in the contact area.

**Topography**



**Current**



These two images were obtained even further from the contact area than the top ones. Applied bias voltage 5 mV. The current of 2-3 pA runs only through nanotubes.