

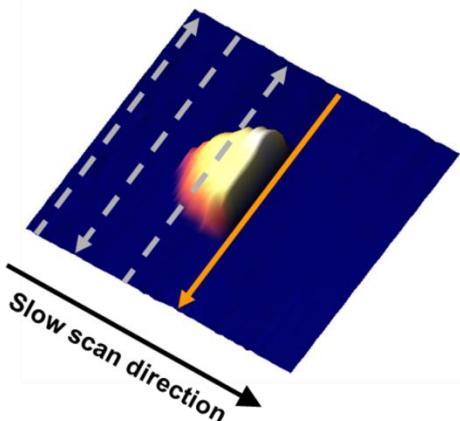
FP7 Marie Curie Actions Career Integration Grant (CIG): Investigating the Effect of Interface Structure on Friction at the Nanoscale

Mehmet Z. Baykara

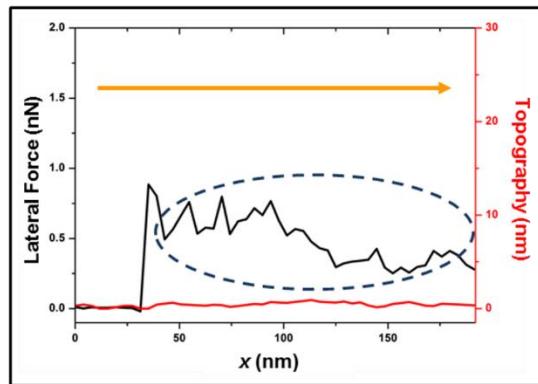
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Structural Lubricity under Ambient Conditions for Gold on Graphite



Lateral Manipulation via AFM



Topography and Lateral Force Data

$$F_f = F_0 \cdot N$$
$$F_0 = \Delta E/a = 0.03 \text{ nN}$$

$$\gamma = 0 - 0.5$$

↓
sublubricity

Structurally Lubric
Sliding under
Ambient Conditions!

