

B. Bhushan
H. Fuchs (Eds.)

Applied Scanning Probe Methods XIII

Biomimetics
and Industrial
Applications

Applied Scanning Probe Methods Xiii Biomimetics And Industrial Applications Nanoscience And Technology

Bharat Bhushan, Harald Fuchs



Applied Scanning Probe Methods Xiii Biomimetics And Industrial Applications Nanoscience And Technology:

Applied Scanning Probe Methods XIII Bharat Bhushan, Harald Fuchs, 2008-10-29 The volumes XI XII and XIII examine the physical and technical foundation for recent progress in applied scanning probe techniques The first volume came out in January 2004 the second to fourth volumes in early 2006 and the fifth to seventh volumes in late 2006 The field is progressing so fast that there is a need for a set of volumes every 12 to 18 months to capture latest developments These volumes constitute a timely comprehensive overview of SPM applications After introducing scanning probe microscopy including sensor technology and tip characterization chapters on use in various industrial applications are presented Industrial applications span topographic and dynamical surface studies of thin film semiconductors polymers paper ceramics and magnetic and biological materials The chapters have been written by leading researchers and application scientists from all over the world and from various industries to provide a broader perspective Applied Scanning Probe Methods XIII

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truly was a microtensile test with sample thicknesses in the range of micrometers To the authors knowledge this was shown for the rst time by Hild et al in 5 16 **Applied Scanning Probe Methods XI** Bharat Bhushan,Harald Fuchs,2008-10-22

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