

KEY ROLE OF M.G. NAKHODKIN'S INSIGHT
AND INSPIRATION IN DEVELOPMENT OF UHV
STM-RELATED TECHNIQUES AND METHODS

I. V. Lyubinetzky

Environmental Molecular Sci. Lab.,
Pacific Northwest National Lab.
(Richland, Washington 99352, U.S.A.;
e-mail: andreandy2000@gmail.com)

S u m m a r y

I briefly describe my joint efforts and experiences with M.G. Nakhodkin in the field of scanning tunneling microscopy (STM), including a construction of home-built microscopes, the application of this technique in various scientific endeavours, fruitful and enlightening discussions, and the collaboration on the international scale with M.G. Nakhodkin and members of his scientific group. Our co-operation was focused on the novel aspects of the preparation and the conditioning of STM probes, coupling the STM junction with laser irradiation, and STM-based nanolithography.