Fig. 1. Colour Atomic Force Microscopy. Modulation techniques were employed to measure the potential landscape on-the-fly. The potential parameters were assigned to RGB to generate a colour image.

Fig. 2. UHVTEMAFM.

Fig. 3. Millions of cantilevers for parallel sensing and multiasperity contact.

Fig. 4. Water on mica. Liquid AFM.

Fig. 5. Mapping optical excitation efficiency of a tuning fork for AFM.

Fig. 6 Exciting vibration of an AFM cantilever with an optical lever.

Fig. 7 Lateral force gradient of Si(111) 7x7 surface.