KAWAKATSU LAB.

[Coupling to the Nano Regime]

Centre for Interdisciplinary Research on Micro-Nano Methods (CIRMM)
Applied Scientific Instruments

Precision Engineering Department

http://www.inventio.iis.u-tokyo.ac.jp

Coupling to the Nano Regime

(1) Our chief interest lies in mechanical interactions in the atomic to the nano regime. We work on imaging mechanisms and novel detection techniques. We are also looking into possible application to mechanical bio-sensing.

(2) We welcome young students and interns from all over the world.

Fig 1. Chemical contrast AFM  
Fig. 2 UHV TEM AFM  
Fig. 3 Liquid AFM

Fig 4. Atomic Stepper  
Fig. 5 Millions of Cantilevers  
Fig. 6 Swimming vibration

Institute of Industrial Science, The University of Tokyo