

KAWAKATSU LAB.

[Feeling Atoms to know what they are]

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

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

Applied Scientific Instruments

Precision
engineering
department

Feeling Atoms to know what they are

Touching the untouched, and seeing new landscapes

A fast, robust method of identifying the potential landscape of a solid surface was implemented with Atomic Force Microscopy. By assigning the three potential parameters to RGB, colour images with atomic resolution were acquired. Applications include imaging of alloys and multi-element systems, mobility of atoms in 3D mesoscopic structures, and identification of the sample.

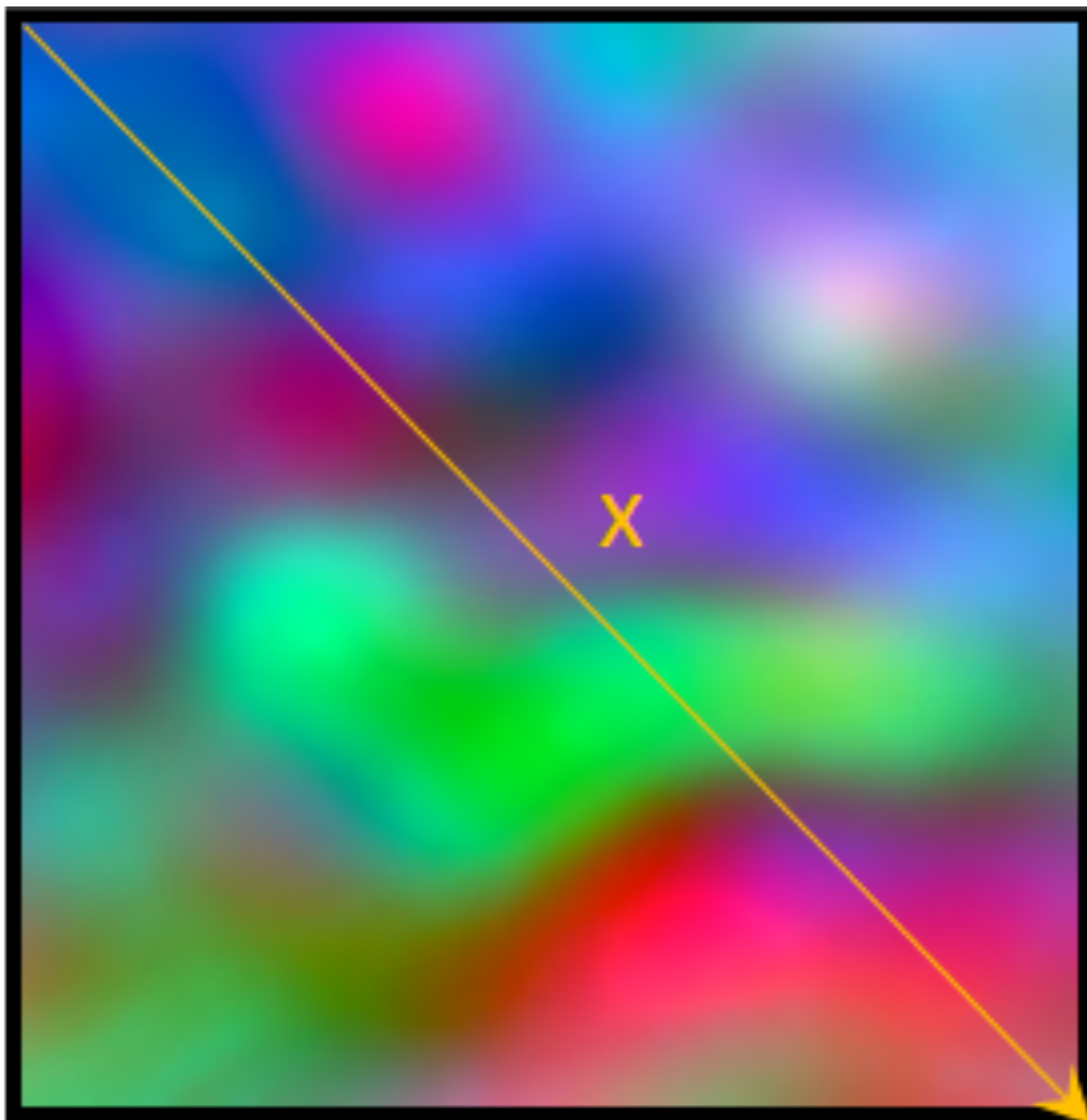


Fig. Example of an image of silicon acquired with the Colour AFM