Nano space at crystal interfaces and mechanism of their materials' properties

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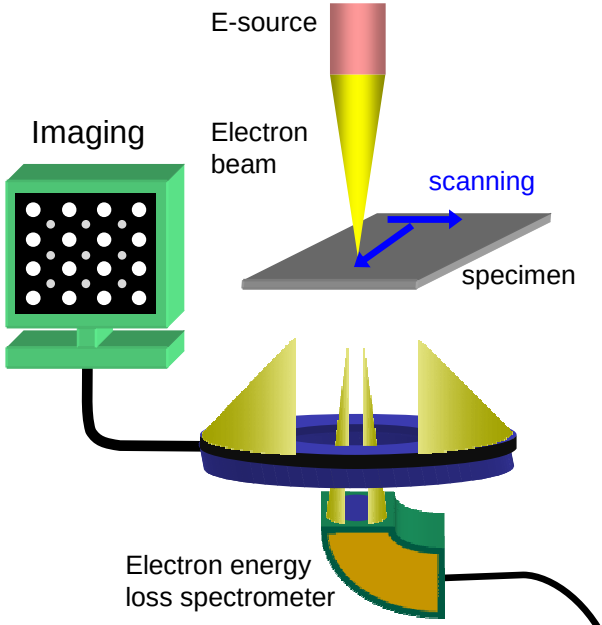
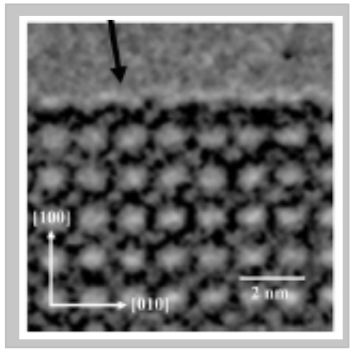
Scanning Transmission Electron Microscopy



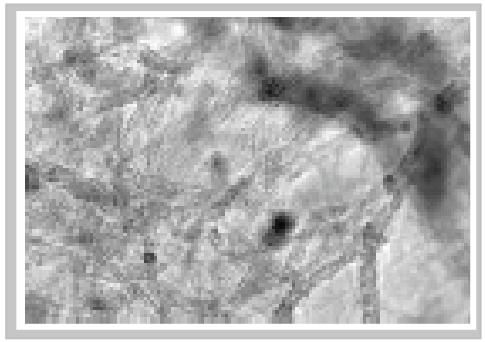
Atomistic and electronic structure at localized regions such as interfaces, surfaces, and dislocations and their impacts on physical properties are investigated.

Analyses of microstructure & nano spaces in zeolite



T. Ohkubo

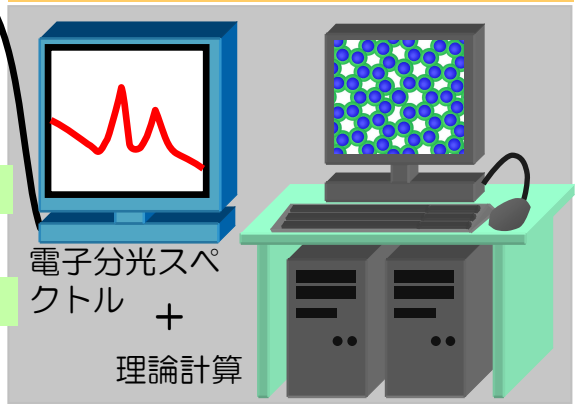
Research on formation mechanism of CNT through microstructure analyses



S. Maruyama

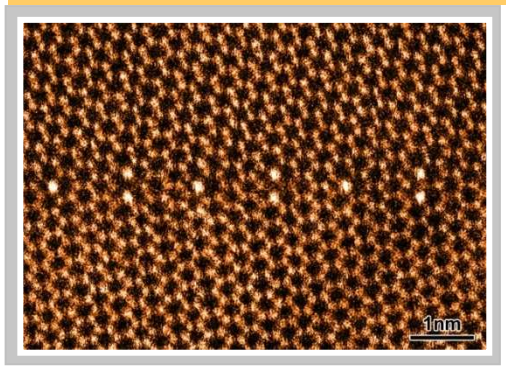
E. Einarsson et al., *J. Nanosci. Nanotech.* *8*, 6093 (2008).

Spectrum analysis by EELS



E. Abe T. Mizoguchi

Interface strcutures and Properties



T. Yamamoto

N. Shibata

Y. Sato

Y. Sato et al., *Phys. Rev. B*, *80*, 094114 (2009).

Nanostructures Characterization

M. Nakao

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