

Workshop on Sensing Devices and Atomic Scale Measurement

September 30, 2008

Suita Campus E3-316, Osaka University

主催：大阪大学グローバル COE プログラム「次世代電子デバイス教育研究開発拠点」

Sponsored by : Global Center of Excellence Program

"Center for Electronic Devices Innovation"

<http://www.eei.eng.osaka-u.ac.jp/gcoe/>

共催：量子ナノ IT イニシアティブ
Co-sponsored by "Quantum Nano IT Initiative"

<http://www.afm.eei.eng.osaka-u.ac.jp/qni/>

協賛：原子分子イオン制御理工学センター
Co-operated by Center for atomic and molecular
Technology

<http://www.stamic.eng.osaka-u.ac.jp/index-j.htm>

14:30

Opening Remarks : Masayuki Abe (Osaka University)

Oral Presentations

14:40 Nanowires as Nanometrology Platforms and Building Blocks of
New Sensing Devices: Present State and Prospects

[J. R. Morante \(University of Barcelona, Spain\)](#)

15:40 Measuring Forces and Magnetism on Individual Atoms

[Markus Ternes \(IBM Almaden, USA\)](#)

<Break>

16:50 STM/STS of Single Molecules on Thin Insulating Films

[Naoki Ogawa \(University of Tokyo\)](#)

17:20 Toward Atom-by-Atom Assembly of Complex Nanostructures Based
on Atomic Force Microscopy

[Seizo Morita \(Osaka University\)](#)

17:50

Closing Remarks : Masayuki Abe (Osaka University)

18:00

Banquet at Icho-Kaikan

(for participants of Handai Nanoscience and Nanotechnology International Symposium)