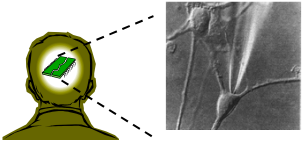




Toward the realization of advanced information and information society !



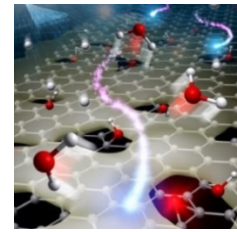
Practical use of Nanoionic Devices with companies



- On-demand device
- Tc modulated superconductor
- Neuromorphic device
- Nonvolatile memory



- Atomic switch
- multiple-value memory
- Variable wavelength light emitter
- Variable magnetic device etc.



Ionic Nanodevices with a Variety of Novel Functions

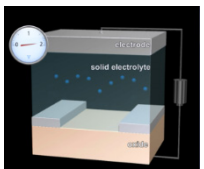
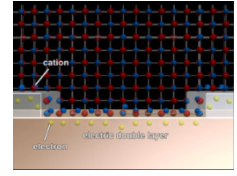
Novel function

- Electric property
- Magnetic property
- Optical property
- Super conductor etc.



Modulation of interface structure

- Electric double layer
- Carrier doing
- Chemical doping
- lattice distortion etc.



Interface Nanoarchitectonics

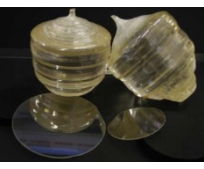
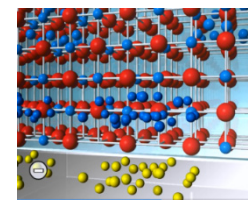
Materials

- Ionic conductor
- Solid electrolyte



Methods

- Control of ion migration
- Control of electrochemical reaction



Solid Electrochemistry · Solid State Ionics · Nanotechnology