

• NICT participated in the exhibition •

nano tech 2009



# International Nanotechnology Exhibition & Conference

(International Nanotechnology Exhibition & Conference)

Toru Kubota, Senior Researcher Project Promotion Office,  
Kobe Advanced ICT Research Center

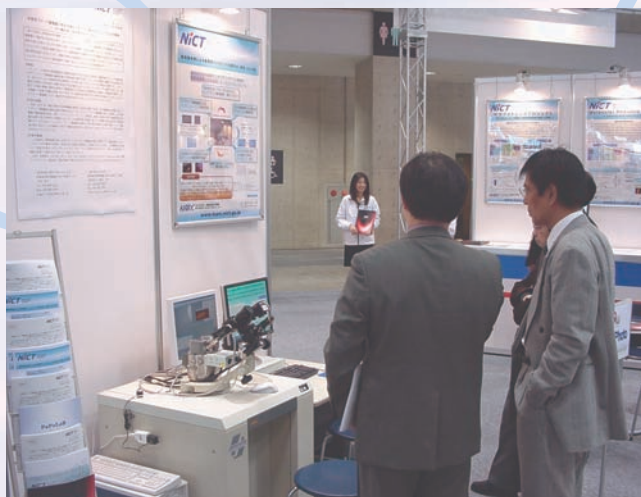
**Date** : February 18 (Wed.) - February 20 (Fri.), 2009

**Venue** : Tokyo Big Sight

**Number of Participants** : About 47,300

During the period of February 18 to 20, 2009 at the "nano tech 2009," one of the largest exhibition for advanced technologies in the world, NICT introduced the specific research activities of projects related with the nano-tech of Kobe Advanced ICT Research Center (KARC): Superconductive Electronics Project, Protein Biophysics Project, etc. and provided the information about these technologies, letting the molecular photonic project of Nano ICT Group play a key role, under the collaboration with NICT Public Relations Office. In the exhibition booth, we offered the exhibition of nano and bio research technologies of KARC, such as single photon or electron devices, and architecture technologies using organic molecules, superconducting single photon detectors, biological molecular communication technologies and so on. Besides, with regard to the frontier technology of scanning probe microscope, which we released in the press conference prior to the opening day, we displayed a real machine to appeal our achievement. Consequently, a great interest was given to it by visitors.

In this exhibition, frontier technologies and products were exhibited, not only from companies, research institutes and universities which promote the advanced science technologies in Japan, but also other countries including Germany, the United Kingdom, the Netherland and Taiwan. Furthermore, in addition to the exhibition of related nano-technologies, six other exhibitions in the fields related to KARC including nano-bio Expo 2009 and neo functional material 2009 exhibitions, were also provided simultaneously, where we were able to greatly appeal the basic and fundamental research items, and the advanced device research of NICT both at home and abroad. In addition to these exhibitions, a number of international symposiums were organized, which also provided a valuable opportunity for NICT researchers to exchange information with the participants concerned. Organizing symposiums every year, KARC has played a leading role to demonstrate its research and promote collaboration with organizations inside and outside Japan. Also in future, we will continue such activities utilizing this opportunity.



● Display concerning Scanning Probe Microscope Technology  
Explaining it to Professor Tomoji Kawai (Osaka University), Chairman of nanotech Executive Committee



● NICT Exhibition Booth