



# FIRST INTERNATIONAL NANOTECHNOLOGY CONFERENCE ON COMMUNICATION AND COOPERATION

## **Abstract**

### **Nanofabrication for Nanotechnology R&D**

Wide varieties of research and development for nano materials and devices are conducted intensively around the world. To get a good achievement in such R&D, it is a key how smaller one can make nanostructures and pick up those new properties. For the purpose, nanofabrication, measurement and characterization technologies take an important role to accelerate device and material R&D. A lot of nanostructure related technologies have been developed through semiconductor manufacturing field.

Several research topics on nano devices in NTT basic research will be presented, including the role of nanostructure fabrication and characterization technologies in the research. Taking such accumulated technologies in the laboratories, a collaboration and/or business scheme to utilize those means and techniques for nanotechnology related industrial R&D will be discussed.