

International Nanotechnology Exhibition & Conference

Report on nano tech 2010 Exhibition and NICT Exhibits

Dates: February 17-19, 2010 (Wed-Fri)

Location: Tokyo Big Sight

Attendees: 42,381

The Kobe Advanced ICT Research Center (KARC) of NICT's Kobe Research Laboratories exhibited at nano tech 2010, one of the largest leading-technology exhibitions in the world. The exhibit centered on the Molecular Photonic Project in the Nano ICT Group, and the Nano ICT and Biological ICT research groups at KARC, together with the Advanced Device Research Group from the New Generation Network Research Center, who introduced their nano-tech-related projects research and technology.

The exhibition booth introduced research demonstrating manufacture of organic electro-optic devices used in optical communications, and announced research results related to molecular array manufacturing technology including low-environmental-impact organic device manufacturing through nano-electrolysis and easy ways for making vacuum environments indispensable for nanotech. The exhibit of a 3D Positioner for Scanning-Probe Microscopes (SPM) showed visualizations of arbitrary locations on actual materials at the nano level, and this attracted much interest from visitors.

Almost 10% of the exhibitors were from outside of Japan, with most of these from Korea and others from Switzerland, France, Russia, Iran, exhibiting the latest R&D and technology from governments and private industries in various countries in the EU and Asia.

On the final day, a "Nano-ICT Symposium" was held, sponsored by the Kobe Advanced ICT Research Center and co-sponsored by the Support Center for Advanced Telecommunications Technology Research Foundation. It outlined the latest research and technology trends in interdisciplinary areas uniting nanotechnology and biotechnology. NICT Senior Researcher Shukichi Tanaka, coordinated the nine lectures.

All together, four researchers from the Kobe Advanced ICT Research Center working on the latest research in these areas gave lectures, including Research Manager Akira Otomo, Researcher Shohei Kobayashi, Specialist Researcher Kenya Furuta, and Senior Researcher Ferdinand Peper. In total, 125 people participated, creating a symposium showing the high level of interest and future developments in this interdisciplinary research area.



NICT NEWS

 No.391, April 2010

ISSN 1349-3531

Published by
Public Relations Office, Strategic Planning Department,
National Institute of Information and Communications Technology
<NICT NEWS URL> <http://www.nict.go.jp/news/nict-news-e.html>

4-2-1 Nukui-Kitamachi, Koganei, Tokyo 184-8795, Japan
Tel: +81-42-327-5392 Fax: +81-42-327-7587
E-mail: publicity@nict.go.jp
URL: <http://www.nict.go.jp/index.html>

Editorial Cooperation: Create Crews, Ltd.