

OFFICIAL ORGANIZERS



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LOCATION



TOKYO BIG SIGHT

Conference Tower, 1 Floor, Room 102

Conference Language: English

Free Admission

Please register at the registration desk
of the workshop

German-Japanese Young Researchers Workshop “From Nanomaterials to Innovation”

14th February 2008
TOKYO BIG SIGHT



Research in
Germany

Land of Ideas


Baden-Württemberg International


nanomat

WELCOME

Over the last few years Japan and Germany have achieved excellent research and development advances in the area of nanomaterials. Both countries hold a world leading position in this area.

Therefore Japanese-German cooperation in research and development in the area of nanomaterials offers interesting possibilities for both partners. Expertise and resources can be combined and roles optimised. Especially profitable will be cooperation in nanotechnology where the available expertise can be complementarily combined.

We are particularly pleased that on occasion of Nanotech 2008 German and Japanese young researchers have been successfully brought together. International experience shows that for scientific-technological advance, networked, interdisciplinary, cutting edge research is essential. What is necessary in research should also be pursued in the transfer to marketable products. An increase in cooperation between Japan and Germany in the field of nanotechnology has great potential.

This workshop offers you the possibility of discussing the chosen nanotechnology themes with one another. We wish you fruitful discussions and hope that many new contacts will arise and lead to a further increase in Japanese-German cooperation in nanotechnology.

Regine Hedderich
Netzwerk NanoMat

Ulrich Mack
Baden-Württemberg
International

PROGRAMME

09:30	Greetings <i>MinDirig Dr. Wolfgang Stöffler, BMBF</i> <i>Dr. Teruo Kishi, President of NIMS</i> <i>Dr. Regine Hedderich, NanoMat</i>	14:00	<i>Hartmut Gliemann, A. Petershans</i> Forschungszentrum Karlsruhe Engineering Chemically Tailored Micro-, Submicro- and Nanostructures for Biological Application
10:00	<i>Masato Nakaya</i> National Institute for Materials Science, Tsukuba. Control of local chemical reaction of molecules and its application for molecular nanodevices	14:30	<i>Mingsheng Xu</i> National Institute for Materials Science, Tsukuba Electronic Properties of DNA towards Electronic DNA Sequencing
10:30	<i>Cedrik Meier</i> Universität Duisburg-Essen Novel Materials for nanophotonic devices	15:00	<i>Stefan Kudera, Joachim P. Spatz</i> Max-Planck-Institut for Metal Research, Stuttgart Nanopatterend and biofunctionalized substrates for switching cell functions
11:00	<i>Takatsugu Wakahara</i> National Institute for Materials Science, Tsukuba La@C72 Having a Non-IPR Carbon Cage	15:30	<i>Tetsuya Tohei</i> The University of Tokyo Atomic and electronic structure of grain boundaries
11:30	<i>Wolfgang Harneit</i> Freie Universität Berlin Atoms in molecular cages for quantum computing	16:00	<i>Toru Shimada</i> National Institute for Materials Science, Tsukuba Near-field Raman imaging and electro-magnetic field confinement in self-assembled monolayer of gold nanoparticles
12:00	<i>Kentaro Tashiro</i> The University of Tokyo Metalloporphyrin Hosts for Supramolecular Chemistry of Fullerenes	16:30	<i>Nobuko Hanada</i> Forschungszentrum Karlsruhe Hydrogen storage materials for mobile applications
12:30	<i>Stefan Walheim, Thomas Schimmel</i> Forschungszentrum Karlsruhe, Universität Karlsruhe (TH) Polymer Phase Lithography: Layout-Controlled and Spontaneous Structure Formation on the Nano Scale	17:00	Conclusions
13:00	<i>Koji Mitamura</i> Nagoya University Structural and Morphological Changes of Monolayers of a Block Copolymer		
13:30	Lunch		