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# MICRONANO

2010  
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MICROMACHINE CENTER  
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No.72

## Topic

### MicroNano 2010

The World's largest exposition on MEMS and nano- and biotechnologies

**21<sup>st</sup> Exhibition Micromachine/MEMS**

**<NEW> ROBOTECH Exhibition on Next-Generation Service Robot Manufacturing Technologies**

**<Concurrent event> SURTECH Exhibition on Surface Technology**

July 28–30, 2010 (Wed–Fri)

Tokyo Big Sight (Tokyo International Exhibition Center), East Hall 5/6



The Micromachine Center (MMC) will be holding MicroNano 2010, an exposition that effectively assembles all the latest micro/nano- and MEMS-related technologies and products at one venue. This year's event will be even more attractive with the newly established exhibition ROBOTECH and the exhibition SURTECH organized by the Surface Finishing Society of Japan held concurrently with the Exhibition Micromachine/MEMS, as well as the addition of new concurrent events to the program such as the BEANS Project Seminar, that cover the latest trends in MEMS research and technology, and the inclusion of a new Job Matching Support Plaza. We expect the event to attract a large number of visitors.

### MicroNano 2010 is not to be missed!

#### 1. Three exhibitions held concurrently

The exhibition ROBOTECH, held for the first time this year, will focus on service robots, a field having promising applications for MEMS sensors and actuators. The holding of ROBOTECH in concert with SURTECH is expected to produce a substantial synergistic effect.

#### 2. The International Micromachine/Nanotech Symposium (July 28, 13:00–16:15, MicroNano Conference Area A) focusing on sensor networks and their applications

In addition to the keynote speech given by Isao Shimoyama, professor at the University of Tokyo, on “Green Innovation Explored by Ambient Devices,” this year's symposium will feature the latest findings on novel MEMS devices and their applications from such international research institutes as Imec-NL of the Netherlands, CEA-LETI of France, BSAC of the U.S., and Fraunhofer ENAS of Germany.

#### 3. The Tsukuba Innovation Arena (TIA) NMEMS Symposium (July 30, MicroNano Conference Area A)

This symposium will feature reports on expectations held by the government, industry, and academia for the implementation of the open innovation center TIA-NMEMS as one of the six core areas in the TIA-Nano framework, and the activities of the MMC's MEMS Industry Forum.

#### 4. The ROBOTECH Seminar (July 30, MicroNano Conference Area B)

The ROBOTECH Seminar will be held in conjunction with the new exhibition ROBOTECH. Speakers at the seminar will talk about approaches for service robots, which have many promising applications for MEMS, in alleviating problems associated with the declining birthrate and the aging population, a grave issue facing not only Japan, but also other advanced nations.

#### 5. The MEMS Concierge Service and the Job Matching Support Plaza

The MMC booth will offer a concierge service to help visitors more easily find exhibitor booths that match their interests by answering such questions as “Who handles sensors that employ piezoelectric elements.” Please don't hesitate to drop by with your questions. Next to the MMC booth, there will also be a Job Matching Support Plaza serving as a place for students having an interest in MEMS to meet exhibiting companies looking for outstanding human resources.