



MMC Activities.....	1
MEMS Pj	4
Column.....	6
Overseas Trends.....	7
Member's Profiles	8

MMC Activities

New Operation System of MMC

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The Micromachine Center (MMC) is actively promoting technical development projects, sponsored primarily by the Japanese government and the New Energy and Industrial Technology Development Organization (NEDO), in an effort to establish a technical infrastructure in the micronano field that includes micromachines and MEMS. At the same time, the MMC is also actively involved in activities to improve the environment for the industrialization of micronano fields, such as policy proposal activities, industrial networking and incubating activities, research projects, standardization projects, dissemination and publicity activities and so on, in order to promote the dissemination and industrialization of these basic technologies. Through these activities, the MMC is working to assist in the development of Japanese industry and to contribute to the international community.

This basic approach will be continued in the new fiscal year as well, and the Micromachine Center will be involved in a variety of projects.

In terms of national and NEDO projects, the MMC has submitted a proposal for the Bio Electromechanical Autonomous Nano Systems (BEANS) Manufacturing Technology Development Project (FY 2008 - 2012). In the event that the proposal is accepted, a concentrated research and development organization with several development centers will be established for industry-academic collaboration, and the focus will be on establishing the technical infrastructure for the achievement of the third generation of MEMS (BEANS). In addition, this is the final year for the Highly Integrated / Complex MEMS (Fine MEMS) Manufacturing Technology Development Project (FY 2006 - 2008), so the Micromachine Center will work to ensure maximum achievements for the project. Moreover, the Micromachine Center is also concentrating on distribution and dissemination activities for the MEMS Open Network Engineering System Design Tools (MemsONE) achieved in the MEMS Open Network Engineering System Design Tools Project (nicknamed the MemsONE Project), which concluded development in FY 2007.

In terms of activities to improve the environment for industrialization in the micronano field, the MEMS Industry Forum established to conduct various activities to support industrial development has begun its third year. The number of participating members continues to grow steadily, and the content of its activities continues to be more fully developed. Exhibition Micromachine/MEMS is attracting more and more attendees each year. The Exhibition will be held again this year at the end of July at Tokyo Big Sight, as part of MicroNano 2008 which also includes various conferences. In addition, the Micromachine Center will promote many other activities this year, including the Micromachine Summit, various international interchanges, research activities that include MEMS market research and technical trend surveys both at home and abroad, international standardization activities for the MEMS materials and devices that are playing a leading role in various countries, and industrialization promotion activities that include operation of the MEMS Foundry Network and opening of the MEMS Mall.

We are grateful for your continued understanding and support.