

## MEMS-ONE Project Achievements

This will be the final year of the Project for Development of a Design and Analysis Support System for MEMS (MEMS-ONE Project). The MEMS-ONE Project was established with the aim of setting up an infrastructure to provide systems support for the growth and development of the Micro Electro Mechanical Systems (MEMS) industry. MEMS-ONE development is entering the final stages; even last year, only fragments were visible, but beginning with this fiscal year, verification after combining elements has been conducted, enabling the overall picture to be glimpsed.

When the MEMS-ONE system is launched, the graphical user interface (GUI) function that serves as the basic framework for the system appears. This function allows users to perform analysis in an interactive manner, and the results of analysis can be easily checked by means of figures, graphs and animations. Steady progress is also being made with regard to novice support features such as the acquisition of a knowledge database and data on material properties.

In the future, integrated verification of the overall MEMS-ONE system will be conducted to increase the overall completeness of the system. In addition, a vigorous effort is being made to increase the volume of data acquisition in anticipation of the issue of alpha and beta (final) releases.

This autumn a briefing will be held to announce the achievements of the MEMS-ONE Project. This briefing will feature up-to-date information on such topics as an overview of the functions that will ultimately be provided in MEMS-ONE and their characteristics, a demonstration showing how to use the program, anticipated dates for the issue of alpha and beta releases and so on. This briefing will differ from the one held last year in that it will feature enhanced content based on the actual software currently being developed. In addition, the venue has been changed to the Tokyo International Forum. A video presentation on MEMS-ONE will be presented at Exhibition MICROMACHINE as well, in addition to a demonstration featuring sample analyses, panel exhibits and pamphlet distribution.

The program for the briefing is shown below. We invite all interested parties to attend.

**Date/Time :** Thursday, November 9, 2006  
1:00 - 4:15 p.m.

**Venue :** Tokyo International Forum, Hall D7

**Entrance fee :** Free

**Sponsored by :** Micromachine Center  
MEMS-ONE Project Promotion Committee

**Cosponsored by :** New Energy and Industrial Technology Development Organization (NEDO)

**Support provided by :** Ministry of Economy, Trade and Industry

**Program :**

### **Session 1 : Opening**

- 1:00 - 1:15 Sponsor's greetings
- 1:15 - 1:30 Greetings from guest of honor
- 1:30 - 2:00 Keynote address:  
"Expectations for MEMS-ONE based on Fine-MEMS"
- 2:00 - 2:15 Break

### **Session 2 : Overview of MEMS-ONE functions & demonstration**

- 2:15 - 2:35 Overview and characteristics of functions
- 2:35 - 3:20 From design conceptualization to process mask design and operational testing
- 3:20 - 3:25 Q & A session

### **Session 3 : MEMS-ONE alpha release**

- 3:25 - 3:35 Future release plans
- 3:35 - 3:50 Alpha release
- 3:50 - 4:00 Q & A session

### **Session 4 : Closing**

- 4:00 - 4:15 MEMS-ONE Support Center concept

**Registration :**

–To register for the briefing, please send an email with your name, company name, department, position, address, email address, telephone number and fax number to the following email address : [mems1@mmc.or.jp](mailto:mems1@mmc.or.jp)

When your registration has been confirmed, a confirmation email will be sent. On the day of the briefing, please bring a copy of the confirmation email and present it to the receptionist. If you have not pre-registered but would like to register on the day of the event, please see the receptionist prior to the start of the briefing. However, same-day registration will be permitted only on a space-available basis, so we encourage you to register in advance.

–Deadline for registration : **Wednesday, November 1, 2006**

**For more information :**

If you have any questions regarding the briefing, please call the MEMS-ONE Project Office at (+81) 3-5835-1870.

Copies of the alpha release and beta release will be distributed in accordance with the following schedule.

- 1) The purpose of distributing the alpha release is to enable users to evaluate the current state of execution of the program. The results of the evaluation will be reflected in the beta release to the greatest degree possible in order to make the program more complete. The alpha release is scheduled for mid-November 2006. You will be able to register to receive a copy of the alpha release beginning in early October.
- 2) The beta release will be the final version representing the ultimate achievement of the MEMS-ONE Project. It is tentatively scheduled for release in May 2007.