

# MEMS Park Consortium

## Who we are

MEMS Park Consortium is the voluntary association aimed at supporting R&D and industrialization of MEMS technology through networking among domestic and foreign R&D supporting organization by industry-government-academia alliance.

## Our Organization

- Representative: Prof. Masayoshi Esashi (Tohoku Univ.)
- Originator: Tohoku Univ. City of Sendai, Miyagi Prefectural Government, Tohoku Bureau of Economy, Trade and Industry
- Membership: Financial member (66 companies), Partner member (10 groups)



MEMS Intensive Course in Kyoto (2011)

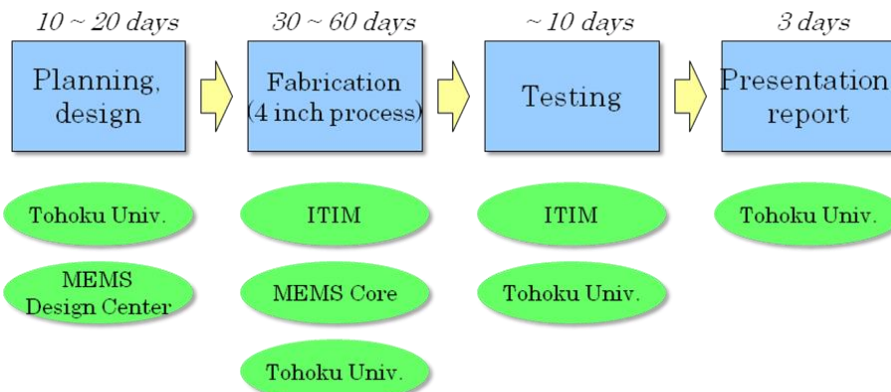
## Our Activities

### ◆ Information Dissemination

Disseminate information about micro technology by organizing MEMS Intensive Course, Open Seminars, MEMS Engineer Forum, by utilizing website, mailing list, twitter and participating in Exhibitions.

### ◆ Human Resource Development

#### 1. MEMS Training Program for Researchers and Developers (as needed )



Three axis capacitive accelerations sensor achieved by a trainee



Domestic contest for iCAN2012

Comprehensive MEMS training program for three months containing planning, design, fabrication, testing, report. Trainees propose a targeting MEMS device and carry on the process fabrication by themselves, under full-support service by Tohoku University, Industrial Technology Institute, Miyagi Prefecture and MEMS Core.

#### ➤ Trainees

RICOH, MEMS CORE, PENTAX, ADVANTEST, ALPS ELECTRIC, NIPPON DENPA, SYSTEC INOUE, YAMAHA, TOPPAN, KONICA MINOLTA, SEKISUI, MURATA, FUJI MACHINE, DENSO, AHIKO FINETECH, YAMAMOTO ELECTRIC WORKS, JAXA

#### ➤ Targeting devices

Optical scanner, Gyro, Micro probe, RF switch, Acceleration sensor, RF relay, Pressure sensor, Micro 2D stage, Variable inductor, Variable capacitor

#### 2. Human Resource Development for young people

Organize domestic contest for *International Contest of Application in Nano/Micro Technology (iCAN)*.

### ◆ Technical Support (Network for Experimental Production Support)

Support member companies by serving as an intermediary between a member company who has obstacles to R&D or industrialization in MEMS technology and universities or public R&D institutes.

### ◆ Networking

Offer a place to information exchange among member companies.