

## Micro Electro-Mechanical Systems (MEMS) Devices and Fabrication

Micro Electro-Mechanical Systems (or MEMS) are micromachines the size of a grain of salt that integrate mechanical elements, sensors, actuators and electronics on the surfaces of silicon, using integrated circuit fabrication techniques to produce three-dimensional physical structures instead of transistors.

Micro Electro-Mechanical Systems is a NanoTechnology segment area now in it's second decade of commercialization, and is poised for a substantial leap in the development and miniaturization of capabilities in military and consumer electronics over the next five years.

Some key areas that will see impact are in displays, mass storage, sensing, signal switching and medical devices.



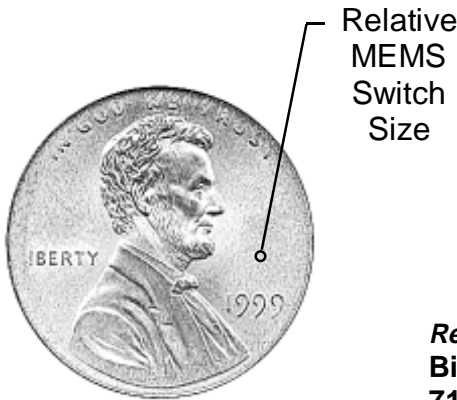
Please join us for both a descriptive overview of MEMS technology and in-depth discussion of Manufacturing challenges that will feature Gary Pangelina of SST International and other industry leaders. Mr. Pangelina will specifically discuss the implementation of packaging the highly sensitive MEMS devices.

This is an opportunity for all CASA, SME and non-members to network and re-connect with each other.

Whether you are part of this industry or not, it will affect you, and the possibilities for innovation are immense. Educating yourself to these new technologies is an opportunity you should not miss!

# Thursday, May 22nd

6:15 to 7:00 pm - Dinner and Networking  
7:00 pm - Meeting and Presentation



Relative  
MEMS  
Switch  
Size

**Dinner and Presentation - \$15**  
(Student Discount Available)

**Reservations to:**  
**Bill Johnson, CASA 233 Chair**  
**714-898-1788**  
**casa233@yahoo.com**

### May 2003

Su	Mo	Tu	We	Th	Fri	Sat
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31



18727 Brookhurst Street  
Fountain Valley, CA

