

## **MEMS Industry Group Showcases MEMS in the Machine at SEMICON West**

[MEMS Industry Group](#) [1] (MIG) will highlight advancements in micro-electromechanical systems ([MEMS](#) [2]), the tiny micro-machines providing intelligent sensing and actuation to mobile phones, video games, automotive safety systems, heart monitors, insulin pumps, smart home-automation systems, and a host of other applications, at [SEMICON West 2011](#) [3] (July 12-14, 2011, Moscone Center, San Francisco). Joined by MIG member-companies who are driving a market predicted to reach US\$14 billion by 2014, according to Yole Développement, MIG invites SEMICON West attendees to experience MEMS technology through real-world applications, a MEMS exhibition area, and a conference session on moving from lab to fab and achieving high-volume production.

### **“MEMS in the Machine” DemoZone**

MIG will present its inaugural “MEMS in the Machine” DemoZone at the Extreme Electronics Stage, South Hall at SEMICON West, July 12 from 12:45-2:00 p.m. Highlighting the versatility of MEMS at the application level, MIG’s DemoZone will feature a number of products from [Freescale Semiconductor](#) [4]: Amazon Kindle DX; Chumby One-based walking robot; FitBit; Sertec Sistemas’ low-power tracking device; and Gauss Industria’s MAP Sensor. The DemoZone will also include a pressure sensor for aircraft flight testing and an accelerometer for automotive safety testing from [Meggitt](#) [5] (Endevco); a gas chromatograph from [MEMSCAP](#) [6]; a MEMS Thermal IR sensor from [OMRON](#) [7]; a MEMS scanning mirror in a pico projector from [Touch Micro-System Technology](#) [8] (Walsin Lihwa Corporation); and a MEMS wafer from [Okmetic](#) [9].

[Chipworks](#) [10] will give MIG’s DemoZone attendees an inside look at the MEMS inside some popular consumer devices: Samsung Galaxy Tab, Apple iPhone and Nintendo 3DS.

### **MEMS on Display at SEMICON WEST**

MIG members will be well represented in the exhibition at SEMICON West. The following companies will co-exhibit with [MIG](#) [11] in Booth #2734 in the Extreme Electronics TechZONE, South Hall: [Amerimade Technology](#) [12], [Akrion Systems](#) [13], [Brewer Science](#) [14], [IMT](#) [15], [MEMSCAP](#) [6] and [XACTIX](#) [16].

MIG members and partners who are also exhibiting at SEMICON West include: [Applied Materials, Inc.](#) [17]; [AEPI, the Grenoble-Isere Economic Development Agency](#) [18]; [Bullen Ultrasonics](#) [19]; [CEA-Leti](#) [20]; [Chipworks](#) [10]; [ClassOne Equipment, Inc.](#) [21]; [EV Group](#) [22]; [Expertech](#) [23]; [GLOBALFOUNDRIES](#) [24]; [imec](#) [25]; [OEM Group](#) [26]; [Oxford Instruments](#) [27]; [Plan](#)

[Optik AG](#) [28]; [Plasma-Therm](#) [29]; [Rite Track](#) [30]; [Semefab](#) [31]; [Silex Microsystems](#) [32]; [SPP Process Technology Systems UK Limited](#) [33]; [SUSS MicroTec](#) [34]; [TECNISCO](#) [35]; [Yield Engineering](#) [36]; and [Yole Développement](#) [37].

## “Future of MEMS” Session

[Karen Lightman](#) [38], managing director of MIG, will moderate a special session on MEMS manufacturing: “[The Future of MEMS: Solutions for Moving from a Niche to a Mainstream Business](#) [39]” (July 12, 10:30 a.m.-12:40 p.m. PDT, Extreme Electronics TechXPOT, South Hall). Speakers will include MIG member companies [Bosch Research and Technology Center](#) [40], [GLOBALFOUNDRIES](#) [24], [imec](#) [25], [Teledyne DALSA](#) [41], and [Yole Développement](#) [37] discussing manufacturing processes and technologies optimized for faster time-to-market and ramp-to-volume.

## Source URL (retrieved on 08/30/2014 - 1:04pm):

[http://www.ecnmag.com/news/2011/07/mems-industry-group-showcases-mems-machine-semicon-west?qt-video\\_of\\_the\\_day=0](http://www.ecnmag.com/news/2011/07/mems-industry-group-showcases-mems-machine-semicon-west?qt-video_of_the_day=0)

## Links:

- [1] <http://www.memsindustrygroup.org/>
- [2] <http://www.memsindustrygroup.org/i4a/pages/index.cfm?pageid=3926>
- [3] <http://www.semiconwest.org/>
- [4] [http://www.memsindustrygroup.org/custom/buyers\\_guide/company.cfm?company\\_id=8](http://www.memsindustrygroup.org/custom/buyers_guide/company.cfm?company_id=8)
- [5] [http://www.memsindustrygroup.org/custom/buyers\\_guide/company.cfm?company\\_id=46](http://www.memsindustrygroup.org/custom/buyers_guide/company.cfm?company_id=46)
- [6] [http://www.memsindustrygroup.org/custom/buyers\\_guide/company.cfm?company\\_id=80](http://www.memsindustrygroup.org/custom/buyers_guide/company.cfm?company_id=80)
- [7] [http://www.memsindustrygroup.org/custom/buyers\\_guide/company.cfm?company\\_id=26](http://www.memsindustrygroup.org/custom/buyers_guide/company.cfm?company_id=26)
- [8] [http://www.memsindustrygroup.org/custom/buyers\\_guide/company.cfm?company\\_id=149](http://www.memsindustrygroup.org/custom/buyers_guide/company.cfm?company_id=149)
- [9] [http://www.memsindustrygroup.org/custom/buyers\\_guide/company.cfm?company\\_id=6](http://www.memsindustrygroup.org/custom/buyers_guide/company.cfm?company_id=6)
- [10] [http://www.memsindustrygroup.org/custom/buyers\\_guide/company.cfm?company\\_id=13](http://www.memsindustrygroup.org/custom/buyers_guide/company.cfm?company_id=13)
- [11] <http://www.memsindustrygroup.org/i4a/pages/index.cfm?pageid=3996>
- [12] [http://www.memsindustrygroup.org./custom/buyers\\_guide/company.cfm?company\\_id=97](http://www.memsindustrygroup.org./custom/buyers_guide/company.cfm?company_id=97)
- [13] [http://www.memsindustrygroup.org/custom/buyers\\_guide/company.cfm?company\\_id=147](http://www.memsindustrygroup.org/custom/buyers_guide/company.cfm?company_id=147)
- [14] [http://www.memsindustrygroup.org/custom/buyers\\_guide/company.cfm?company\\_id=11](http://www.memsindustrygroup.org/custom/buyers_guide/company.cfm?company_id=11)
- [15] [http://www.memsindustrygroup.org/custom/buyers\\_guide/company.cfm?company\\_id=17](http://www.memsindustrygroup.org/custom/buyers_guide/company.cfm?company_id=17)
- [16] [http://www.memsindustrygroup.org/custom/buyers\\_guide/company.cfm?company\\_id=17](http://www.memsindustrygroup.org/custom/buyers_guide/company.cfm?company_id=17)

ny\_id=88

[17] [http://www.memsiindustrygroup.org/custom/buyers\\_guide/company.cfm?company\\_id=109](http://www.memsiindustrygroup.org/custom/buyers_guide/company.cfm?company_id=109)

[18] [http://www.memsiindustrygroup.org/custom/buyers\\_guide/company.cfm?company\\_id=111](http://www.memsiindustrygroup.org/custom/buyers_guide/company.cfm?company_id=111)

[19] [http://www.memsiindustrygroup.org/custom/buyers\\_guide/company.cfm?company\\_id=12](http://www.memsiindustrygroup.org/custom/buyers_guide/company.cfm?company_id=12)

[20] [http://www.memsiindustrygroup.org/custom/buyers\\_guide/company.cfm?company\\_id=83](http://www.memsiindustrygroup.org/custom/buyers_guide/company.cfm?company_id=83)

[21] [http://www.memsiindustrygroup.org/custom/buyers\\_guide/company.cfm?company\\_id=108](http://www.memsiindustrygroup.org/custom/buyers_guide/company.cfm?company_id=108)

[22] [http://www.memsiindustrygroup.org/custom/buyers\\_guide/company.cfm?company\\_id=49](http://www.memsiindustrygroup.org/custom/buyers_guide/company.cfm?company_id=49)

[23] [http://www.memsiindustrygroup.org/custom/buyers\\_guide/company.cfm?company\\_id=152](http://www.memsiindustrygroup.org/custom/buyers_guide/company.cfm?company_id=152)

[24] [http://www.memsiindustrygroup.org/custom/buyers\\_guide/company.cfm?company\\_id=105](http://www.memsiindustrygroup.org/custom/buyers_guide/company.cfm?company_id=105)

[25] [http://www.memsiindustrygroup.org/custom/buyers\\_guide/company.cfm?company\\_id=78](http://www.memsiindustrygroup.org/custom/buyers_guide/company.cfm?company_id=78)

[26] [http://www.memsiindustrygroup.org/custom/buyers\\_guide/company.cfm?company\\_id=102](http://www.memsiindustrygroup.org/custom/buyers_guide/company.cfm?company_id=102)

[27] [http://www.memsiindustrygroup.org/custom/buyers\\_guide/company.cfm?company\\_id=139](http://www.memsiindustrygroup.org/custom/buyers_guide/company.cfm?company_id=139)

[28] [http://www.memsiindustrygroup.org/custom/buyers\\_guide/company.cfm?company\\_id=58](http://www.memsiindustrygroup.org/custom/buyers_guide/company.cfm?company_id=58)

[29] [http://www.memsiindustrygroup.org/custom/buyers\\_guide/company.cfm?company\\_id=141](http://www.memsiindustrygroup.org/custom/buyers_guide/company.cfm?company_id=141)

[30] [http://www.memsiindustrygroup.org/custom/buyers\\_guide/company.cfm?company\\_id=103](http://www.memsiindustrygroup.org/custom/buyers_guide/company.cfm?company_id=103)

[31] [http://www.memsiindustrygroup.org/custom/buyers\\_guide/company.cfm?company\\_id=136](http://www.memsiindustrygroup.org/custom/buyers_guide/company.cfm?company_id=136)

[32] [http://www.memsiindustrygroup.org/custom/buyers\\_guide/company.cfm?company\\_id=62](http://www.memsiindustrygroup.org/custom/buyers_guide/company.cfm?company_id=62)

[33] [http://www.memsiindustrygroup.org/custom/buyers\\_guide/company.cfm?company\\_id=77](http://www.memsiindustrygroup.org/custom/buyers_guide/company.cfm?company_id=77)

[34] [http://www.memsiindustrygroup.org/custom/buyers\\_guide/company.cfm?company\\_id=9](http://www.memsiindustrygroup.org/custom/buyers_guide/company.cfm?company_id=9)

[35] [http://www.memsiindustrygroup.org/custom/buyers\\_guide/company.cfm?company\\_id=98](http://www.memsiindustrygroup.org/custom/buyers_guide/company.cfm?company_id=98)

[36] [http://www.memsiindustrygroup.org/custom/buyers\\_guide/company.cfm?company\\_id=110](http://www.memsiindustrygroup.org/custom/buyers_guide/company.cfm?company_id=110)

[37] [http://www.memsiindustrygroup.org/custom/buyers\\_guide/company.cfm?company\\_id=70](http://www.memsiindustrygroup.org/custom/buyers_guide/company.cfm?company_id=70)

[38] <http://www.memsiindustrygroup.org/i4a/pages/Index.cfm?pageID=3281>

[39] [http://www.semiconwest.org/SessionsEvents/ctr\\_043487](http://www.semiconwest.org/SessionsEvents/ctr_043487)

[40] <http://www.bosch.us/content/language1/html/rtc.htm>

[41] [http://www.memsiindustrygroup.org/custom/buyers\\_guide/company.cfm?company\\_id=122](http://www.memsiindustrygroup.org/custom/buyers_guide/company.cfm?company_id=122)

