

# "Critical Materials for Device Driven Scaling"

by the Critical Materials Council and TECHCET

## CMC Conference Overview

The Critical Materials Conference is a 2 day event, May 5-6 in Hillsboro, OR, providing actionable information on materials and supply-chains for current and future semiconductor manufacturing. Business drives the world, but technology enables semiconductor business, so we must understand the dynamics of how materials and technologies enable the scaling of devices in IC fabs. Conference speakers will provide information on critical materials used in HVM fabs, while also looking at manufacturing integration issues associated with new materials needed for future devices. Notable speakers from leading semiconductor fabricators, and materials companies, as well as leading market research firms will provide insights on this ever changing area of semiconductor process materials and markets.

**Dates and Location** 

Dates: May 5-6, 2016, following the Critical Material Council regularly scheduled Meeting (May 3-4). Location: Hillsboro, Oregon - The Embassy Suites Hotel, 20001 NW Tanasbourne Dr., Hillsboro, OR 97124

## **Conference Overview**

Keynote: "Electronics Market and Enabling Materials" [tentative]

By Tim G. Hendry - Vice President, Technology and Manufacturing Group Director of Fab Materials, INTEL CORPORATION\*

- Three Sessions Focused on Semiconductor Materials Technology
  - Immediate Challenges of Materials & Manufacturing
  - Emerging & Revolutionary Materials
  - Tracking the Supply Chain down to Earth, Wind and Fire
- Featuring Speakers from: Materials and Equipment Suppliers, Device Technologists, Market Analysts

#### Who Should Attend? Critical Materials Council Members and Managers / Directors of:

• Supply Chain / Procurement

Process / R&D

- Product Managers Yield / Quality
  - Equipment Eng.
  - Academia
  - Facilities

## Manufacturing / Sustaining

**Business Development** 

- Why Attend? Get the latest info on
- Process Materials & Equipment Trends
- Threats to Supply Chain
- Critical Materials Forecasts
- Vital Data for Strategic Planning



May 5 (Thurs) - Day 1	Evening Reception: 5pm - 7pm
Session I: Immediate Challenges of Materials & Manufacturing Jim Feldhan - SEMICO Bruce Adams - TECHCET Texas Instruments Rob Nine - Pall Corp. Jeff Hemphill - Intel Jean Marc Girard, Ph.D Air Liquide S.I. Lee - Veeco Session II: * Emerging & Revolutionary Materials Jan Vardaman – TechSearch International Jonas Sundqvist, Ph.D. – TECHCET John Smythe – Micron David Thompson, Ph.D Applied Materials Interactive RoundTable & Reception	<ul> <li>May 6 (Fri) - Day 2 (1/2 day)</li> <li>Session II, continued: Emerging &amp; Revolutionary Max Kelman, Ph.D. – Aixtron Dave Roberts, Ph.D. – Nantero Dan Alvarez, Ph.D Rasirc</li> <li>Session III: Tracking the Supply Chain Down to Earth Wind and Fire * Gus Richard -Northland Securities Risto Puhakka – VLSI Research Lita Shon-Roy – TECHCET Keith Long - USGS</li> <li>Panel Discussion &amp; Wrap-Up</li> <li>* session speakers to date, others may be added</li> </ul>

## **Conference Committee**

Jonas Sundqvist, Ph.D. – Techcet Group Ed Korczynski – SST / Techcet Group Karey Holland, Ph.D. –MegaFluid Sys/ Techcet Lita Shon-Roy, Techcet CA John Housley- Housley & Associates Todd Mosher – Zone 5 Robert Clark, Ph.D. – TEL Mark Raynor, Ph.D. - Matheson Gases/TNSC Jeff Hemphill – Intel Chad Kaneshige – Texas Instruments Dave Roberts, Ph.D. – Nantero Jim Feldhan – Semico Anish Tolia - Linde Max Kelman, Ph.D.- Aixtron Alan Balderson – Kanto Chemical Corp. Jean Marc Girard, Ph.D. – Air Liquide

## About the Critical Materials Council (CMC Fabs)

The Critical Materials Council for Semiconductor Device Fabricators, originally started in the early 1990's by SEMATECH, actively works to identify issues surrounding the supply, availability, accessibility of semiconductor process materials, current and emerging – "Critical Materials". They do this by collectively working to solve common materials related issues in a non-competitive environment. The CMC supports the continuous improvement of the Materials Supply Chain Community for Semiconductor Fabricators. For more info please go to www.CMCFabs.org or contact cmcinfo@techcet.com, +1-480-382-8336.

## **Registration Pricing**

Early Bird Registration (to March 31)	\$349.00
Regular Registration (starting April 1)	\$425.00
CMC Members – up to two persons free. Additional persons registration fee:	\$289.00

