



# “Critical Materials for Device Driven Scaling”

by the Critical Materials Council and TECHCET

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## 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.

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## 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

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## Conference Overview



### Keynote: “Material Requirements for the Future of Semiconductor Devices”

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



### Four Sessions

- World Markets & Materials – Business Analysis
- Tracking the Supply Chain down to Earth, Wind and Fire
- Emerging Materials Evolution: ALD / ALE
- Materials Revolution: “The Carbon Generation”



Featuring Speakers from: Materials and Equipment Suppliers, Device Technologists, Market Analysts

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**Who Should Attend:** Critical Materials Council Members and Registered Attendees, including

Business Development Managers  
Technologists  
Academia  
Engineers

Supply Chain Managers  
Procurement Managers  
Consultants  
Product Managers

[www.cmcfabs.org](http://www.cmcfabs.org)



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<b>May 4 (Wed, night): 5pm to 7pm, Evening Welcome Reception</b>	
<b>May 5 (Thurs) - Day 1</b> <b>Session I: World Markets &amp; Materials</b> Gus Richard -Northland Securities Jim Feldhan - SEMICO Risto Puhakka - VLSI Research Jan Vardaman - TechSearch International Lita Shon-Roy - TECHCET <b>Session II: Tracking the Supply Chain Down to Earth Wind and Fire*</b> Keith Long - USGS Texas Instruments Rob Nine - Pall Corp. Yu Bibby Ph.D. - Techcet Group * session speakers to date, others may be added	<b>Session III: Emerging Materials Evolution*</b> Jeff Hemphill - Intel David Thompson, Ph.D. - Applied Materials Jean Marc Girard, Ph.D. - Air Liquide Jonas Sundqvist, Ph.D. - Techcet Group <i>Evening Reception: 5pm - 7pm</i> <b>May 6 (Fri) - Day 2 (1/2 day)</b> <b>Session IV: Materials Revolution</b> John Smythe - Micron Dave Roberts, Ph.D. – Nantero* Max Kelman, Ph.D. - Aixtron Dan Alvarez, Ph.D. - Rasirc Karey Holland, Ph.D. - Techcet/MFS <b>Panel Discussion &amp; Wrap-Up</b>

## Conference Committee

Jonas Sundqvist, Ph.D. – Techcet Group	Jeff Hemphill – Intel
Ed Korczynski – SST / Techcet Group	Chad Kaneshige – Texas Instruments
Karey Holland, Ph.D. –MegaFluid Sys/ Techcet	Dave Roberts, Ph.D. – Nantero
Lita Shon-Roy, Techcet CA	Jim Feldhan – Semico
John Housley- Housley & Associates	Anish Tolia - Linde
Todd Mosher – Zone 5	Max Kelman, Ph.D.- Aixtron
Robert Clark, Ph.D. – TEL	Alan Balderson – Kanto Chemical Corp.
Mark Raynor, Ph.D. - Matheson Gases/TNSC	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, or lack thereof, 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](http://www.CMCFabs.org) or contact DataResources, Inc. ([office@dri.co.jp](mailto:office@dri.co.jp)).

## 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