

The **Strategic Materials Conference** gives you a broad look at what is driving the demand for new materials, and how material suppliers are being impacted by the value chain they serve. SMC offers market opportunities, industry trends, views from leading market analysts, global materials manufacturers, integrated device makers, industry consortia, top suppliers and academic researchers.



Opening Keynote:
**Materials Innovation for
the Digital 6th Sense Era**

Matt Nowak
Senior Director, Engineering
Global Operations Group
Qualcomm



Keynote:
**Strategies and New Models for Creating
an Affordable Material Supply Chain**

Tim G. Hendry
Vice President, Technology and
Manufacturing Group
Intel

New for 2014

Device Maker Session *
Materials Challenges for
Emerging Technology

Market Trends Session **
Economic / Material Trends /
Emerging Technology Trends

ECONOMIC / MATERIAL TRENDS **

- Major Trends Shaping the Future of Integrated Circuit Industry—**IC Insights**
- The Global Economic Outlook's Impact on Semiconductors—**Hilltop Economics**
- The Changing Economics of the Semiconductor Capital Equipment Industry—A Wall Street Perspective—**Stifel Nicolaus**
- Industry Dynamics in the Materials Supply Chain—**Linx Consulting**

SUPPLY CHAIN CHALLENGES, INTERDEPENDENCE FOR FUTURE GROWTH

- Challenges Facing Silicon Dielectric Atomic Layer Deposition for HVM—**Lam Research**
- Accelerating Yield in a Disruptive Environment—**Entegris**
- Strengthening our Supply Chain: SCIS Working Group—**Edwards Vacuum**

MATERIAL MANUFACTURER

- Horses for Courses: Fitting the Product Development Model to the Mission—**Dow Chemical**
- Simplifying Complexity: A New Paradigm for Supplying Materials to the Semiconductor Industry—**Air Products**
- Reducing Risks of New Materials Development and Deployment through Collaboration and Transparency between Industry Stakeholders—**Air Liquide Electronics**
- Managing Supply Chain Risks: A Supplier's View—**SAFC Hitech**



PANELS

Integrated Device Maker Executive Panel

Executive Panel: IBM Research, Intel, TriQuint Semiconductor, Lux Research, Stanford University

Moderator: Air Liquide

Material Manufacturing Executive Panel

Executive Panel: Air Liquide Electronics, Air Products, Dow Chemical, Entegris, Intel, SAFC Hitech

Moderator: VLSI Research

MATERIALS CHALLENGES FOR EMERGING TECHNOLOGY AND DEVICES *

- Continued CMOS Scaling through Exploratory Materials Research—**Intel**
- The Unique Process Material Supply Chain Challenges for Mid-Sized or III-IV Semiconductor Companies—**TriQuint Semiconductor**
- Past and Current Strategies Addressing Porous Low-k Materials Plasma Damage—**IBM Almaden Research Center**
- Emerging Technology Trends and Drivers for Next Generation Electronic Device Demand—**Lux Research**
- Monolithic 3D Integration of Logic and Memory: The N3XT Frontier—**Stanford University**

Track 1: _____

PARALLEL TRACKS

Track 2: _____

Advanced Memories / Embedded Memories

- Material Needs for Advanced Computer Memory—**IBM T.J. Watson Research Center**
- Advanced Memory Technologies: New Materials, New Challenges—**Matheson**
- Materials Challenges in Advanced Flash Memory Packaging—**SanDisk**

Advanced Packaging / TSVs or "Beyond 10nm"

- Materials Challenges in Advanced Packaging—**GLOBALFOUNDRIES**
- Polymer Innovations for Mobile Packaging Applications—**ASE**
- IC Packaging Materials: Hot Spots for Growth—**TechSearch International**

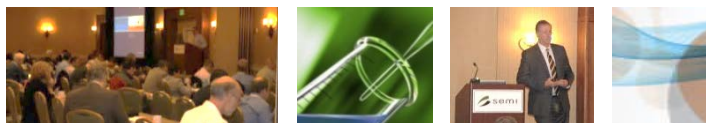
SMC Overview

The Strategic Materials Conference—SMC is a two-day event offering views from leading market analysts, global manufacturers, industry consortia, top suppliers and academic researchers. The innovative, interactive format is designed for optimal information exchange and to facilitate business contacts and networking.

Who Should Attend

SMC offers valuable content and unprecedented networking opportunities for industry professionals who share common strategic objectives of continued materials innovation, management, and business success.

- President/CEO/CTO
- Vice President
- Finance
- Marketing
- Engineering
- Product Manager
- Purchasing
- Sales
- Venture Capitalists
- Consultant
- Universities
- Consortia



SEMI CHEMICALS AND GAS MANUFACTURERS GROUP—CGMG

SMC is organized by the SEMI Chemical and Gas Manufacturers Group (CGMG)—a SEMI Special Interest Group comprised of leading manufacturers, producers, packagers, and distributors of chemicals and gases used in the microelectronics industry.

For over a decade, CGMG has facilitated the development of industry standards, engaged in public policy and regulatory initiatives and education, organized industry events, and other collaborative activities to advance the industries they represent.

Sponsorship

Brand your company to the microelectronics materials community. We have sponsorship packages to fit your budget and objectives.

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Questions

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Agenda is subject to change.

SMC 2014 Sponsors:



Conference Location

The Biltmore Hotel and Suites offers special room rates for SMC attendees. Please call the hotel directly and reference: **2014 SEMI Conference** or Booking ID #**29856**.

Biltmore Hotel and Suites

2151 Laurelwood Road
Santa Clara, California 95054
Tel: 1.408.988.8411 or 1.800.255.9925

Registration

Pricing

Early Bird Registration (until September 16)

SEMI Member	\$ 495
Non Member	\$ 639
Students:	\$ 80

Regular Registration (starting September 17)

SEMI Member	\$ 635
Non Member	\$ 799
Students:	\$ 125

