

# Semiconductor Insider

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## Industry News (click title to view original source.)

### Intel Reasserts Semiconductor Market Leadership

After three years of seeing its dominant position in the global semiconductor market whittled away by aggressive competition from Samsung Electronics Co. Ltd., Intel Corp. is set to reverse the trend in 2011.

### Polyera, Thin Film Electronics Sign Deal

Thin Film Electronics and Polyera have entered into a partnership for the development of organic semiconductor materials for the mass printing of integrated systems and Thinfilm Addressable Memory.

### 3D Semiconductor Tech Turns Chip into Cube

Micron is going to begin production of a new memory device built using the first commercial CMOS manufacturing technology to employ through-silicon vias developed by IBM. These new memory devices, called Hybrid Memory Cube, are made up of stack of individual chips connected by vertical pipelines.

### Novellus Developing ALD Process for Solar Cells

Semiconductor equipment supplier, Novellus Systems, is developing what it describes as conformal film deposition technology; an atomic layer deposition process to grow conformal metal oxide and metal nitride dipole layers in the PV cells.

### Toshiba to Shut Three Japan Semiconductor Plants

Electronics and manufacturing giant Toshiba will shut three semiconductor factories in Japan as part of a reorganization of its business, as it grapples with falling profits. They also plan to slow production at a number of plants over the winter because of the drop off in demand for electronic goods in the West.

### Ultrabooks to Rearrange Chip Requirements for Notebooks

Market researchers from IHS believe that the market volume of ultrabooks could hit 136.5 million units by 2015, up from not even 1 million this year. While these devices offer a major opportunity for sensors as well as power and analog semiconductors, memory makers may not be so happy about their future. It's somewhat unlikely that many users would be able to handle memory upgrades in ultrabooks.

### Record Data Speeds on Terahertz Waves

Researchers from Japan-based semiconductor manufacturer Rohm, together with a team from Osaka University, have come up with a chip that, in experiments, has achieved a wireless data transmission speed of 1.5 gigabits per second. Rohm's breakthrough involves the use of a micro-antenna that integrates the oscillation device and the detection element onto the semiconductor baseplate.

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## News-Safety Total Awareness Report:

What you need to know.

### Ladder Safety - Part 2

Practically *all falls* from ladders are caused by using them in an *unsafe manner*.

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- Proper use of ladders
- Ladder care and storage

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### Resource Engineer – Inova PVD

Long term – Fishkill, NY – Job # 1939

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### Resource Engineer – TEL Etch

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### Resource Engineer – TEL SPS

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## Other News of Interest

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### Delta Launches Mobile Baggage Tracking

Delta Air Lines has become the first airline to introduce mobile baggage tracking. To use the app, customers enter the number on their bag tag receipt and can then track their luggage anytime.

### Kohl's, SC Johnson among Top Green Power Users

Kohl's Department Stores Inc. and SC Johnson & Son Inc. have been honored by the US Environmental Protection Agency for being among the top users of green power in the country. Kohl's is the second in the nation in green power use, behind only Intel Corp. SC Johnson ranks eighth in the country for on-site generation of renewable energy.

### Robot-Assisted Surgery Training

Winter Haven Hospital and Polk State College will train nurses and technicians to work in robot-assisted surgery. The training will offer participants a professional credential and will include online instruction and hands-on training.

### Naturally Advanced Strikes Deal with Target

Naturally Advanced Technologies Inc. struck a deal with Target Corp. to test the use of its flax-based CRAiLAR fiber in the retailer's domestic textiles such as towels and sheets. Its technology transforms rough fibers such as flax and hemp into a sustainably developed fiber comparable to cotton.

Keep up with more news at [www.nstargs.com](http://www.nstargs.com)

## Job Seeker Insight

(click title to view original source.)

### Job-Hunting During the Holidays?!?

A common misconception says that because it's the holidays, no one will pay attention to your résumé. In fact, even during times of high unemployment, when things slow down at the office there's a golden opportunity for hiring to finally move to the front burner. Here are some pointers on leveraging the holidays in your job-search favor.

### How to Really Use LinkedIn

LinkedIn is the proverbial dark horse of social media: we all know it's there, but few of us use it to its full potential. Here is the basic LinkedIn boot camp training to give you the fundamental tools necessary to use the site for all your personal marketing needs.

### 3 Myths about Online Networking

Now more than ever, great networking can occur through meeting and engaging with people online, whether those are hiring managers or just info-interview sources. Don't let this new technology keep you from finding your dream job. Here are three myths about online networking that may be keeping you from truly embracing this opportunity to advance your career.

Find More Job Seeker Tips at [www.nstargs.com](http://www.nstargs.com)

## Ntertainment

**off the mark**.com

by Mark Parisi



Courtesy of offthemark.com

## ChaNges (click title to view original.)

### Hua Hong NEC, Grace Close to Merger

China's 2nd and 3rd -largest contract chipmakers have agreed to merge which will be good for both companies as their products and production lines complement each other.

### Lattice Agrees to Acquisition of SiliconBlue

Lattice Semiconductor has agreed to acquire SiliconBlue Technologies, which specializes in 'Custom Mobile Device' solutions for the consumer handheld market.

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