

# Semiconductor Insider

Issue 44, September 2011

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

### Semiconductors Sniff out Nuclear Weapons

New semiconductor materials of heavy metals could be a fast, effective, and inexpensive method for detecting dangerous materials such as plutonium and uranium.

### IBM Partners with 3M

In an attempt to develop an advanced stacking technology, IBM recently entered into a partnership with 3M with the intention of developing a new material, which could help build commercial microprocessors.

### Apple's A6 Chip to Boost Speed, Battery Life in Next iPad

Apple's next iPad (to be released next June) will be faster and more efficient thanks to its new, quad-core A6 processor. Many of the improvements will come from TSMC's 28-nanometer manufacturing process.

### Canon Launches the FPA-5510iV

Canon USA has announced its entry into the semiconductor back-end manufacturing tool market with the launch of the FPA-5510iV semiconductor lithography tool for next-generation semiconductor packaging.

### Samsung to Aid Retired Workers Having Cancer

Samsung Electronics has agreed to support medical treatment costs of workers diagnosed with cancer within 3 years of retirement. A report by Environ concluded that the firm's manufacturing lines were not linked to cancers diagnosed in former company workers. Samsung promised to improve efforts to keep employees healthy, which is partly why they released the support measures for retired assembly workers diagnosed with cancer.

### Summit Introduces Entry Level Home Theater Products

Summit Semiconductor, a leader in wireless audio home theater technologies, announced a new lower cost speaker module design and amplifier targeting entry-level home theater systems. The new design represents a 53% reduction in size over the current implementation, and still retains the robust high definition link performance with built-in four antenna diversity allowing placement of a speaker anywhere in a room without signal loss or interruption.

### Automotive Semiconductors Get Market Boost

92 percent of the semiconductors required for HEV/EV powertrain control are analog integrated circuits. The report, "Analog Semiconductor to Get Market Boost from HEV/EV Growth," by Strategy Analytics also predicts that by 2018 the HEV/EV analog semiconductor demand will quadruple from 2011, to be worth \$2 billion in 2018.

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## FuN Fact:



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It is commonly known that the Twin Towers fell on 9/11, but did you know that another World Trade Center high-rise building also fell that day? WTC Building 7, a 47-story steel-framed skyscraper located one block from the Twin Towers was not hit by any plane, but collapsed at 5:20 that evening, imploding in the exact manner of a professionally engineered demolition. It fell suddenly, straight down, at near freefall speed, and landed in a compact pile of rubble, barely damaging any of the surrounding buildings.

## Featured Jobs:

We have over 100 openings right now! Here are just a few. [See more on our website>>](#)

[Click titles for full details.](#)

### Resource Engineer – Etch

Long term, Newport Beach, CA, Job #1933

### Resource Engineer – SEM

3-4 Weeks, various locations, Job #1984

### Resource Engineer – HDP

Long term, Fishkill, NY, Job #2094

### Equipment Engineer – Wet Etch

4-8 months, Colorado Springs, CO, Job #2114

### Resource Engineer – Semitool

Long term, various locations. Job #2116

### Maintenance Technician – Pump/Abatement

Long term, Portland, OR, Job #2092

[All Openings>>](#)   [Job Seeker Services>>](#)

## Nstar AdvenTures

“I have been working for NSTAR for almost a year now. During that time I got to spend four months in Taiwan. What a wonderful country it is; the people are extremely friendly, the food is splendid, and the countryside, especially the mountainous areas, have fantastic scenery. I had a great time working there and would love to go back!”

- Gerard M.



[See more reasons to work for NSTAR >>](#)

## Referral CoNtest WiNners August 2011

Andrew R.   Robert E.  
Michael K.  
Lisa C.   Grady W.

**Congrats, and Thank You!**

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## Employers, What can NSTAR do for you? Global Project Support

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## Job Seeker Insight

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### 9 Things to Do Before Returning to Work

How would you evaluate yourself as an asset to a company? To help turn an interview into an offer, here are 9 things to do right now to make you the candidate a company would want to hire.

### 10 Job Search Tips in Less than One Minute

Are you curious if there are any job search tips that take less than one minute to execute? Do you want to know what quick actions you can take as a job seeker that can really enhance your job search? If so, here are 10 tips for you to try.

### 5 Tips for a Proactive Job Seeker

Hunting down a job these days is not an easy feat, and you should want to do anything in your power to increase your chances of being hired. To do so, you may have to make more of an effort in your job search practices. Here are 5 ways to improve your current practices.

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

## Ntertainment



## ChaNges (click title to view original.)

### IDT to Sell Its Hillsboro Wafer Fabrication Facility

Integrated Device Technology, Inc. announced that it intends to sell its Hillsboro, Oregon wafer fabrication facility and related assets to Alpha and Omega Semiconductor Limited. Under a foundry service arrangement with IDT, AOS has the option to acquire the wafer fabrication facility and related assets for \$26 million. The anticipated sale is subject to the execution of a definitive asset purchase agreement with customary closing conditions between AOS and IDT.

### GLOBALFOUNDRIES Names New VP for Dresden

GLOBALFOUNDRIES announced the appointment of Dr. Rutger Wijburg as vice president and general manager of "Fab 1," the company's Germany-based semiconductor manufacturing facility, as of October 2011. Wijburg comes to GLOBALFOUNDRIES from NXP Semiconductors, formerly Philips Semiconductors, where he held executive and senior management positions in worldwide manufacturing, operations and engineering over a 20-plus year career.

## Other News of Nterest

(click title to view original.)

### 50 Homes in 5 Days

Over the course of five Saturdays, 50 low-income households will be kitted out with photovoltaic systems across the US. Yingli Green Energy Americas Inc. will provide the photovoltaic modules needed for the installations, and on-the-job training for solar job seekers.

### Leasing Solar Panels

Constellation Energy Group, Inc. is giving homeowners the option of leasing solar panels through a new program to make the technology more popular and affordable. Through the program Constellation will install solar panels on homes with an option for little or no cost up front to the customer. The customer would then make lease payments to Constellation for 20 years while potentially offsetting as much as half of their electricity bill.

### Google's Energy Obsession

In 2010, Google says it got 25 percent of its electricity from renewable sources like wind and solar. It guesses that will rise to 30 percent this year and aims to hit 35 percent in 2012. Google tries to buy electricity from wind farms near its data centers and encourages its workers to suggest ways to cut pollution. Nevertheless, the company does still use power and pollute.

### PNC rolls out Virtual Wallet App for Android

PNC Financial Service Group Inc. introduced a Virtual Wallet mobile app for the Android operating system. Virtual Wallet for Android includes features such as mobile check deposit, bill payment, and calendar and real-time transferring of funds. The app is free to all PNC Virtual Wallet customers who operate Android smartphones.

### Brazilian Football Stadium Installs Solar Array

The Estádio de Piteuaçu in Salvador is the first football stadium in Latin America to install solar panels. The array will be comprised of two separate module technologies. For the canopy covering the majority of the stadium's 32,157 seats, 203kWp worth of Uni-Solar's flexible thin-film modules will be installed, while 165kWp of Yingli's monocrystalline modules are to adorn the changing room and parking lot roofs.

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