

# Semiconductor Insider

Issue 45, October 2011

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

### Firms to Spend \$4.4 Billion on New Chips in NY

IBM and Intel have committed \$4.4 billion to develop chip technology in New York, allowing them to share resources as they move to more advanced manufacturing. The agreement aims to help the industry make chips on 450-millimeter wafers.

### Demand for Copper Rises

New advanced chip designs require high-purity copper, memory manufacturers are transitioning from aluminum to copper, and the demand has been steadily growing. Honeywell Electronic Materials has doubled its refining and casting capacity for high-purity copper at its facility in Washington.

### Altatech Introduces AltaSight DarkView

Introducing AltaSight DarkView®, Altatech Semiconductor's first substrate-inspection system to incorporate dark-field detection of defects on unpatterned wafers. It offers a full array of dark-field, reflectivity and topographical inspection technologies to provide 100% defect detection in a single pass through the system.

### Next Step in Intelligent Vehicles

Broadcom, Freescale, and OmniVision have jointly developed 360-degree surround view parking assistance system. The collaboration is an important step in the migration from a closed application, to an open and scalable Ethernet-based driver assistance network.

### Earthquake Recovery at Renesas

Renesas Electronics suffered from a 9.0-level earthquake in March. Electrical and gas lines were severed and clean room equipment was tossed about. Renesas solved the problem through the spirit of team work. Within three weeks of re-entering the plant the wafer fab's equipment was back in place and within three months it was running.



### NXP Strengthens Its Asian Presence

NXP announced the appointment of Loh Kin Wah as executive vice president, sales & marketing. Loh Kin Wah brings over 30 years of experience in the semiconductor industry and an in-depth knowledge of the Asian market. His appointment will significantly strengthen NXP's presence in the region.

### Epson to Launch Inkjet Semiconductor Marking System

The IP-2000 marking system utilizes the inkjet method to print identification data, such as the manufacturer's name or a production number on the surface of a semiconductor package, and eliminating the danger of cutting into the IC inside the package while engraving.

## N-Quotes

“ I'm really happy with my NSTAR experience overall and with my current position. I would like to thank the NSTAR staff for their prompt actions to resolve any situation.

-CS, Texas

“ NSTAR is a good company to work for; everyone is very nice and professional. I would recommend NSTAR to anyone that needed a good job.

-JL, California

“ Hotels and rental car services are outstanding!

-MH, Idaho

See more reasons to work for NSTAR >>

## 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 – AMAT Etch**

Various openings worldwide – Job #1933

### **Resource Engineer – Semitool**

Various openings worldwide – Job #2116

### **Resource Engineer – AMAT EPI**

Various openings worldwide – Job #1930

### **Resource Engineer – Pump/Abatement**

Albany, NY – Job #2111

### **Resource Engineer – AMAT Endura PVD**

Various openings worldwide – Job #1927

### **Resource Engineer – AMAT Producer CVD**

Various openings worldwide – Job #1929

## News-Safety Total Awareness Report:

What you need to know.



### ELECTRICAL SHOCK

An electric shock is the tingling sensation or muscular contraction that a person experiences when an electrical current passes through the body. An electric shock can severely burn or kill if the muscle contraction is severe enough to stop the heart. This muscle contraction can cause the victim to remain firmly gripped to the source of electrocution, particularly when power tools or leads are being used. The human body conducts electricity. Even low currents may cause severe health effects. Spasms, burns, muscle paralysis, or death can result depending on the amount of the current flowing through the body, the route it takes, and the duration of exposure.

Continue reading>>

Keep up with [Industry News](#) at [www.nstargs.com](http://www.nstargs.com)

## Referral CoNtest WiNners September 2011

Shawn C. Cesar I. Esteban S.  
Timothy M. Kyle M.

Congrats, and Thank You!

Refer someone, and be entered into the monthly drawing for a \$50 gift card of your choice!

Refer someone now to be entered>>

Join NSTAR Online :)

Receive industry news as it occurs, let your voice be heard, and connect with other industry professionals.



## Employers, What can NSTAR do for you?

### Maximize Production & Minimize Cost

Sometimes, you only need assistance to complete specific projects. With NSTAR, you don't have to stress over finding the required talent, or adding to your cost by hiring new full-time staff members.

#### The perfect solution for:

- Equipment decommissions, startups, and tool moves (including rigging and crating)
- End-of-Life Fab support services
- Equipment upgrades and modifications
- Predictive Maintenance Services
- Engineering Services such as Tool Matching, Process Development, Consulting, and Data Analysis

Quality Service, Proven Expertise, and Simplicity for all your projects.

Learn more about our innovative solutions.  
Call Darrell at 877-678-2766 x 130 or  
Contact Client Services Now.

## Job Seeker Insight

(click title to view original source.)

### Get Harvard's Advice on Your Elevator Pitch

As job seekers, we all know we are supposed to have an 'elevator pitch' ready at a moment's notice, but just because we are supposed to... doesn't mean we are. Harvard Business School's 'Elevator Pitch Builder' is a free tool that takes you through building your pitch and then analyzes it.

### Interview and First Date

In many ways a first date and an interview are essentially the same thing. Good interviewing techniques, like dating advice, can increase your chances of avoiding the bad breakup. Check out these six tips for success in your professional and personal life.

### What to Wear to a Job Interview

Presenting a professional image is more critical than ever, and while some interview 'don'ts' are obvious, it's not uncommon to make subtle mistakes when selecting outfits. Review the following tips and images before selecting your interview attire.

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

## Ntertainment



Courtesy of [offthemark.com](http://offthemark.com)

## ChaNGes (click title to view original.)

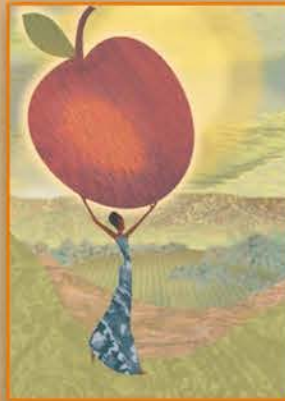
### Atmel to Acquire ADD Semiconductor

Atmel Corp. has agreed to acquire Advanced Digital Design S.A., a Spanish power line chip vendor. The acquisition will give Atmel a portfolio of new products, and a team of technical experts focused on signal processing and power line communications.

### TI completes National Semiconductor Acquisition

Texas Instruments (TI) has completed the acquisition of National Semiconductor. TI will be joined by more than 5,000 National employees.

## FuN Fact: Bobbing for... Brides?



Although we associate Halloween with all things sugar-dipped and chocolate-coated, apples also play a starring role among the traditional holiday treats.

According to 'The Learning Channel,' Ancient Celts associated apples with goddesses, who were commonly believed to control people's romantic fates.

On Halloween, young unmarried boys and girls would race to pluck out an apple from a pool of water with their mouths. Whoever bit the apple first would supposedly be the next among the group to get married.

That tradition evolved into the contemporary game of bobbing for apples.

[Read More>>](#)

## Other News of Nterest

(click title to view original.)

### Solar-Power Shingle

Dow Chemical Co. and homebuilder D.R. Horton introduce the "Powerhouse" roof shingle that is also a solar power system. The solar shingles are designed for homeowners who want solar power, but don't want to install solar panels on their roof.

### App Allows Live TV Streaming

Oceanic Time Warner Cable has introduced an application for Apple's iPad that will allow its video customers in Hawaii to stream live television to the tablet device. The cable company's TWCable TV for iPad app will allow them watch Oceanic's cable channels on their iPads anywhere within their homes.

### Waste from 'Rock the Green' Avoids Landfill

Rock the Green, a near zero-waste music festival, used environmentally sustainable methods that enabled 92 percent of the waste generated at the event to be reduced, reused or recycled. The event attracted a crowd of 7,274 and sent a mere 440 pounds of waste to a local landfill, the equivalent of just 10 traditional trash cans of garbage.



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

The *SemicoNductor Insider* is brought to you by:  
Visit us online at [www.nstargs.com](http://www.nstargs.com)



Comments, Questions, Other Feedback?  
Email Emily at [edupree@nstargs.com](mailto:edupree@nstargs.com)