

# IEN Industry Seminar Series

## The Future of Advanced Manufacturing

June 28th 2017, 9:30AM – 2:00 PM Marcus  
Nanotechnology Building Room 1116  
345 Ferst Drive | Atlanta GA | 30332

Combining optical microscopy, computational super-resolution, artificial intelligence, and robotics, Nanotronics is bringing the world's most advanced microscope to every manufacturing sector. Nanotronics automate industrial microscopes used for inspection of the world's most advanced technologies: semiconductors, microchips, hard drives, LEDs, aerospace hardware, nano-fillers, nanotubes, nano-medicine, and more. Nanotronics microscopes are an integrated part of production processes at many of the world's leading manufacturers. This seminar will focus on the future of advanced manufacturing and how Nanotronics is bringing tools and software to market to help achieve that vision. Central to that vision is the concept of Artificial Intelligence Process Control – a concept that will be enabled through innovation. The advancements in image analysis software, automation, and a variety of specific use-cases encountered over the course of the past several years will be addressed.

### WHO SHOULD ATTEND:

This seminar is for scientists, researchers, facility managers, industrial managers and engineers who are engaged in research in nanotechnology, semiconductors, materials science, MEMS, and bio-technology.

### Agenda:

Welcome & Overview

Session 1: nSpec® – Tools for the Next Industrial Revolution;  
A History of Nanotronics & Technological Convergence  
Julie Orlando (Chief Product Officer, Nanotronics)

Session 2: Artificial Intelligence Process Control & Scaling Nanotechnology  
Matthew Putman, PhD (CEO & Co-Founder, Nanotronics)

Session 3: A Discussion of Practical Applications  
John Cruickshank (Solution Architect, Nanotronics)

**Register @ [ien.gatech.edu/issnanotronics](http://ien.gatech.edu/issnanotronics)**



#### Contact Info:

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