

## I champion Albany public schools because...

### **The opportunity:**

“A partnership between the City School District of Albany and the University at Albany’s College of Nanoscale Science and Engineering has created a groundbreaking pilot initiative called ‘NanoHigh,’ which is the first educational program focused on nanotechnology on a public school campus anywhere in the country.

“Our partnership (NanoHigh) provides students in the City School District of Albany with unique and unparalleled development and educational opportunities in the science and engineering fields of nanotechnology. This effort is especially timely amid projections by the National Science Foundation (NSF) that the U.S. will require more than 2 million nanotechnology-savvy workers by 2014. To that end, the NSF is calling for children between the ages of 10 and 17 to be educated now about the field that will define their careers as adults.”

### **The achievement:**

“The Albany High School students participating in the NanoHigh program are receiving pioneering education and training that will be critical to the pursuit of advanced educational opportunities in the field that is leading to the next industrial revolution and shaping the 21<sup>st</sup> century.”



**Alain Kaloyeros, Ph.D.**  
**Senior Vice President and Chief Executive Officer**  
**College of Nanoscale Science and Engineering**  
**(CNSE), University at Albany**

**Dr. Alain Kaloyeros, vice president and chief administrative officer of the College of Nanoscale Science and Engineering (CNSE) of the University at Albany, shares his innovative work in nanotechnology with Albany High School students through the “NanoHigh” pilot program.**

**This collaboration between CNSE and the City School District of Albany is the only on-campus public school nanotechnology program in the country. It is designed to increase students' knowledge of the emerging nanotechnology industry and the career opportunities it offers.**

**As part of NanoHigh, Albany High students explore and learn about nanoscale science and engineering by interacting with world-class faculty and students at the UAlbany NanoCollege and conducting hands-on experiments at CNSE’s multi-billion dollar Albany NanoTech Complex, which is the most advanced at any university in the world and has attracted more than 250 global corporate partners.**

**Through this extraordinary and unmatched combination of intellectual know-how and technological capability, the NanoHigh program is truly providing Albany High students with a window into their futures, both in higher education and the high-tech workforce, preparing them for the global economy of the 21<sup>st</sup> century.**