



**SEMI Award for Excellence in Workforce Education:
Sandra Jackson, Georgia State University, Named as 2007 Recipient**



The SEMI Award for Excellence in Workforce Education will be presented at the Semiconductors, Automated Manufacturing, Electronics – Training and Education Conference (SAME-TEC) in Irving, Texas. This year's recipient is Sandra Jackson, a mathematics doctoral student and research assistant, at Georgia State University, with over 17 years of experience as a mathematics and science teacher in many states. Lisa Anderson, Vice President of the SEMI Foundation, will present the award.

The Excellence award recognizes educators for outstanding contributions to workforce development and workforce education. Nominees for the award must have had a demonstrated impact on technology education on both a local and national level.

While in the classroom, Sandra started a girls mentoring group to motivate interest in careers, which are science, technology, engineering, and math (STEM) related. Students (girls) were paired with professionals in the fields of engineering, medicine, and computers. Sandra believes the use of technology is vital in the mathematics classroom. Because of this, her middle school students in Jacksonville, FL have competed in robotic and mousetrap competitions.

In an effort to improve her ability to teach STEM subjects and better understand how students learn these subjects, Sandra is now a full time doctoral student at Georgia State University majoring in mathematics education. She teaches preservice teachers to implement technology in their mathematics and science classrooms. Sandra has presented at conferences nationally and internationally on topics such as linking research to the practice of technology in the mathematics classroom as it relates to teacher development programs. Her research interests include technology in the multicultural middle grades mathematics' classrooms and linking theory to practice.

This award was instituted in 2004 and represents SEMI's commitment to support and recognize academic personnel who make significant contributions to the education and training of today's technology workforce.



**Intel Educator-of-the-Year Award:
Lazaro Hong, Pima Community College, Named as 2007 Recipient**



The Intel Educator-of-the-Year Award will be presented at the Semiconductors, Automated Manufacturing, Electronics – Training and Education Conference (SAME-TEC) in Irving, Texas. This year’s recipient is Lazaro Hong of Pima Community College, in Tucson, Arizona. Hamilton Shattuck, Workforce Development Manager at Intel, will present the award.

The Educator-of-the-Year Award recognizes a community college educator for outstanding contributions to semiconductor manufacturing technology education. Nominees for the award must have had a demonstrated impact on technology education on both a local and national level.

Dr. Lazaro Hong is the department chair and professor in the Electronics and Optical Systems Technologies program at Pima Community College. He has over 18 years of experience teaching physics, electronics, and technology courses and has been in the technology field for more than thirty-five years. He has taught at the University of Arizona and Pima Community College and worked for Hewlett-Packard Company as a research engineer developing processes for the manufacture of integrated circuits.

Throughout his career, Dr. Hong has devoted significant effort to enhancing science and technology education. The Arizona STEP to Success, funded by the National Science Foundation, is a collaborative effort between Arizona State University Polytechnic campus, the Arizona Science Center, and Pima Community College, participating with selected high schools and middle schools statewide to implement a novel strategy to motivate and mentor students enrolled in grades 7 through 16 to pursue higher education in science, technology, and engineering.

Dr. Hong sits on the board of directors for the Arizona Optics Industry Association (AOIA); an organization dedicated to the growth and development of the optics industry and allied technologies.

The award represents Intel’s commitment to support and recognize community college faculty who make significant contributions to the education and training of today’s technology workforce.



NetWorks for Converging Technologies

Semiconductors, Automated Manufacturing, Electronics - Training & Education Conference

MATEC Industry Recognition Award: Lou Frenzel, *Electronic Design Magazine*, Named as 2007 Recipient



The MATEC Industry Recognition Award will be presented at the Semiconductors, Automated Manufacturing, Electronics – Training and Education Conference (SAME-TEC) in Irving, Texas. This year's recipient is Lou Frenzel, Technology Editor at *Electronic Design Magazine* in Austin, Texas. Kim Grady, Associate Director of the Maricopa Advanced Technology Education Center (MATEC), will present the award.

The Industry Recognition award recognizes key industry personnel for outstanding contributions to promote technology education and career awareness. Nominees for the award must have had a demonstrated impact on technology education on both a local and national level.

MATEC is proud to honor Lou Frenzel as this year's Industry Award Winner. Lou has held several executive positions in the electronics-related industry. Lou's technical background and passion for education prepared him to serve as a dedicated instructor at Austin Community College for several years. His devotion to teaching is only one aspect of his great contribution to technology education. Lou is one of those people blessed with a keen and roving mind, who are never content to stand still or accept the status quo. As an author of successful textbooks; a full-time contributor to a major electronics magazine; a blogger who uses the internet to address technology education issues; and a tireless promoter of new software and hardware systems for learning; Lou is a powerful creative force continually forging ties between education and industry.

The award represents MATEC's commitment to recognize industry colleagues who make significant contributions to the education and training of today's technology workforce. Lou joins a distinguished list of prior award winners from Advanced Micro Devices, Intel, MKS Instruments, RC Productions, and TPIC.