



SEMI Award for Excellence in Workforce Education: Bruce Kawanami, Monta Vista High School, Named as 2006 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 Albuquerque, New Mexico. This year’s recipient is Bruce Kawanami, a teacher of engineering technology at Monta Vista High School, located in Cupertino, California. 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.

Bruce Kawanami’s professional goal as a teacher is to expose high school students to the engineering professions and to generate interest in engineering as a career path. He is teaching because he wants to “give back” to the engineering field, by increasing interest and awareness of engineering among high school students. His methods focus, in part, on showing students how many math and science fundamentals are actually used in technology applications, as opposed to the dry subject that students usually have to suffer through.

Bruce brings speakers from industry into the classroom, and consistently has his students prepare for participation in the Tech Challenge robotic competition. He has also developed curricula for the public domain to help others achieve the same concepts and results. Bruce is recognized for his enthusiasm for teaching and the impact he has on tomorrow’s workforce.

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: José Arreola, Doña Ana Community College, Named as 2006 Recipient



The Intel Educator-of-the-Year Award will be presented at the Semiconductors, Automated Manufacturing, Electronics – Training and Education Conference (SAME-TEC) in Albuquerque, New Mexico. This year’s recipient is José Arreola, a faculty member and coordinator of the Electronics Program at Doña Ana Community College in Las Cruces, New Mexico. Hamilton Shattuck, Workforce Development Program 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.

José Arreola’s academic experience includes one year as a high school mathematics teacher and twelve years as a faculty member at Doña Ana Community College, where he has served as coordinator for the Electronics Program and started the Semiconductor Manufacturing Program. José’s technical experience includes five years as an equipment technician and ten years as a government special projects test and evaluation engineer at several manufacturing plants including: General Electric Defense Systems, Westinghouse Electronics, ITT Gillfilan, and a ten-week faculty internship with Intel Rio Rancho.

His community activities include founding of the Southern New Mexico Chapter of the National Hispanic Institute to serve six regional high schools. José’s involvement with school programs includes the autonomous robotics program sponsored by Intel and TVI, which has been extended to schools in Mexico and included 65 teams from three states for the Spring 2006 competition.

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.



MATEC Industry Recognition Award: Jim Hyder, Intel, Named as 2006 Recipient



The MATEC Industry Recognition Award will be presented at the Semiconductors, Automated Manufacturing, Electronics – Training and Education Conference (SAME-TEC) in Albuquerque, New Mexico. This year's recipient is Jim Hyder, Training Program Manager/Instructional Designer at Intel's Fab 11X in Rio Rancho, New Mexico. Michael Lesiecki, Executive Director of the Maricopa Advanced Technology Education Center, will present the award.

The 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.

Jim Hyder, M.S., is currently a Training Program Manager/Instructional Designer aligned to Diffusion, Implant, and Rapid Thermal Anneal at Intel's Fab 11X. Prior to this, he has served as a Manufacturing Supervisor for numerous functional areas throughout the factory and a Training Supervisor. He holds a Bachelor of Science degree majoring in Workforce Education and Curriculum Development from Southern Illinois University and a Master of Science degree of Management in Science and Technology from Oregon Health and Sciences University.

Jim has made major contributions to education through his participation on projects funded by the National Science Foundation (NSF). He has served on a national review board for several NSF grant proposals and is currently an industry advisory board representative to an NSF-funded project. Jim has also served as an instructor for High Tech U, a high tech career awareness program sponsored by the industry association, SEMI.

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