



**SEMI Award for Excellence in Workforce Education:
Peter Holub, BG/BRG Mössingerstraße, Named as 2008 Recipient**



The SEMI Award for Excellence in Workforce Education will be presented at the SAME-TEC Advanced Technological Education Conference in Austin, Texas. This year's recipient is Peter Holub, a biology, chemistry, physics and music teacher at BG/BRG Mössingerstraße, a secondary school in Klagenfurt, Austria. 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.

Peter has over 30 years of experience as a music and science teacher in Austria. In addition to his teaching responsibilities in Klagenfurt, he serves as the head of the science department at the Pedagogical University of Carinthia, and is the coordinator of the Innovations in Mathematics, Science and Technology Teaching (IMST) regional network for science and mathematics in Carinthia. IMST is an Austrian project to improve science teaching and education.

This year, Peter played a key role in the presentation of the first SEMI High Tech U program in Austria, sponsored by Infineon and Lam Research Corporation, helping recruit students and teachers; consulting on curriculum modifications necessary to reflect local cultural and educational norms; and helping facilitate the partnership between local industry and the education community that is essential for successful presentation of the program. SEMI High Tech U is an industry-driven math and science-based career exploration program for high school students and teachers. The program is administered and presented by the SEMI Foundation.

“Peter embodies the professional experience, leadership, and dedication to workforce development that makes him a role model for others,” says Lisa Anderson, vice president, SEMI Foundation. “His infectious enthusiasm and ability to forge partnerships between industry and the education community in Austria has made him a highly respected and extremely successful advocate for improving math and science education.”

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:
Dorina Cornea-Hasegan, Portland Community College, Named as 2008 Recipient**



The Intel Educator-of-the-Year Award will be presented at the SAME-TEC Advanced Technological Education Conference in Austin, Texas. This year's recipient is Dorina Cornea-Hasegan of Portland Community College, in Portland, Oregon.

The Intel 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.

Dorina started her engineering career in Romania, by working as a design engineer in an automated equipment and installation corporation. After 10 years of full time work in industry in Romania, she moved to the United States as a graduate student at Purdue University in Indiana, where she received a Master's degree in Industrial Technology. It was at Purdue University where Dorina started teaching engineering classes and she continued doing that after she moved to Portland, Oregon, first at Oregon Instituted of Technology and soon after that at Portland Community College. She is currently the department chair of the Microelectronics Technology (MT) Department, working closely with Intel Corporation, the biggest employer of the MT program's graduates. She is inspired in her daily work by her students to whom she is dedicating all of her energy and enthusiasm.

"Dorina is diligent in her support of the students in the program. She will work with students individually or set up special tutoring sessions for groups. Dorina will explain concepts until students are able to grasp the points she is trying to make. It is not unusual to find Dorina in the electronics lab patiently sitting with a student trouble shooting a pesky circuit until it agrees to cooperate. Dorina also celebrates each student's successful hire." says Margie Fyfield, Division Dean Science and Technology at Portland Community College. "Dorina is also a tireless promoter of the Microelectronics Technology program. She visits the high schools, local chamber offices, workforce development recruiting events, and any local event she feels could connect her with a future student in the program."

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:
Katie Kizziar, Skillpoint Alliance, Named as 2008 Recipient**



The MATEC Industry Recognition Award will be presented at the SAME-TEC Advanced Technological Education Conference in Austin, Texas. This year's recipient is Katie Kizziar, Director of the Technology and Education Executive Council for Skillpoint Alliance in Austin, Texas. Michael Lesiecki, Executive 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.

Katie Kizziar is passionate about engineering education. While studying at the University of Texas at Austin, she was involved in developing and growing engineering outreach programs. After tripling the number of students involved in a signature Engineers Week program, Katie shared steps for replicating this success at national conferences and online seminars. At Skillpoint Alliance, Katie directs a council of industry and education members focused on filling the engineering and technology workforce pipeline. Through efforts such as training teachers on integrating STEM concepts and career information into their curriculum or developing industry internship programs for high school students, Katie hopes to increase the number of opportunities students have to discover and be successful in rewarding careers in science, technology, engineering, and math.

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



Innovative Program Award:

The Robotics and Photonics Institute at Indian River Community College, Named as 2008 Recipient



The Innovative Program Award will be presented at the SAME-TEC Advanced Technological Education Conference in Austin, Texas. The premier recipient is the Robotics and Photonics Institute at Indian River Community College (IRCC) in Fort Pierce, Florida. Accepting the award on behalf of IRCC will be Dr. Chrys A. Panayiotou, Department Chair, and Dr. Jose Farinos, Dean of Advanced Technology.

This new award recognizes a team of advanced technology education professionals that has designed and implemented a significant innovation, which has led to a positive impact on student enrollment, retention, and/or advanced technology education.

During the last 15 years, most of the electronics engineering technology programs across the nation have experienced a steady decline in enrollment. Today's high school students do not seem to consider a career in electronics engineering appealing enough to commit to a field of study in desperate need of new students. They still associate electronics programs with the electronics section of a department store: televisions, stereo systems, DVD and VCR players, and other disposable electronics.

While this downward trend continues across the nation, Indian River Community College has been able not only to stop it, but also to reverse it by attracting a new generation of students. By introducing high school students to new and emerging technologies, their perception of established degrees has changed and their interest has been stimulated. Photonics is one of those technologies capturing students' attention. IRCC, a partner college in the National Center for Optics and Photonics Education (OP-TEC), has created a photonics specialization under its electronics engineering technology program. The targeted marketing of this new specialization has led to an increase in full-time student enrollment of 50% in 2005, 80% in 2006, and for 2007 it is projected it to be over 100%.

Through strategic planning and implementation, IRCC has been able to successfully revitalize their program while also sharing its experiences and expertise with colleges across the nation struggling to sustain their engineering technology programs. IRCC continues to be vigilant in its quest to diversify its program and to identify new emerging technologies that will need to be integrated into its program in the future.

The award represents SAME-TEC's commitment to serving the advanced technology education community and recognizing outstanding programs that strive towards the same goal by increasing student success in technology programs.