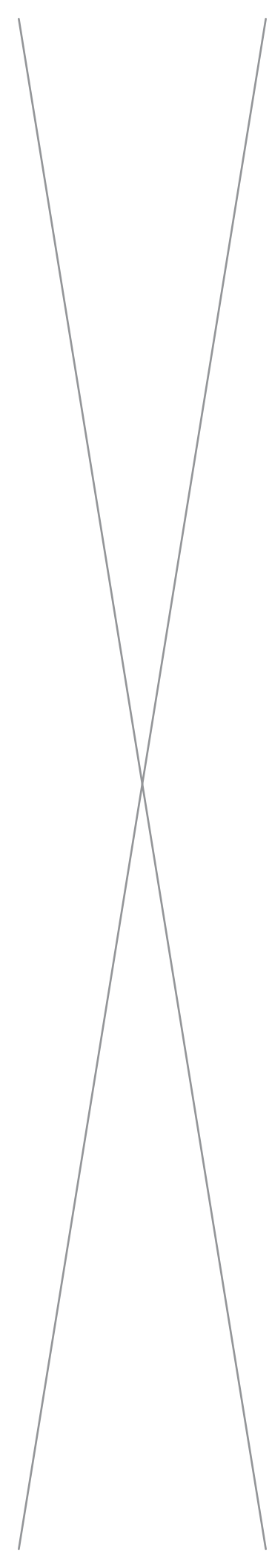


# PA•CTEC 2013

***CONNECTING EDUCATION & CAREERS***



***PENNSYLVANIA CAREER & TECHNICAL EDUCATION CONFERENCE***



## 39th Annual Pennsylvania Career & Technical Education Conference



COMMONWEALTH OF PENNSYLVANIA  
**DEPARTMENT OF EDUCATION**  
333 MARKET STREET  
HARRISBURG, PA 17126-0333  
[www.pde.state.pa.us](http://www.pde.state.pa.us)

June, 2013

The Pennsylvania Department of Education, Bureau of Career and Technical Education, is pleased to co-sponsor the 39th Annual Pennsylvania Career and Technical Education (PA•CTEC) conference.

This year's conference promises to bring new insights, ideas, and practical strategies that you can implement in your classrooms. It is our hope that the sessions complement and supplement your on-going passion and commitment to your profession. The *Connecting Education & Careers: Industry Tours* portion of the program will expose participants to cutting-edge facilities and globally-recognized businesses to witness how local entrepreneurs brought their visions to life. The professional development sessions are focused on curriculum development, technology trends in CTE, instructional strategies, and resources that you can adopt for use in your classrooms. Educational and commercial vendors will showcase new technology, state-of-the-art equipment, and up-to-date curriculum.

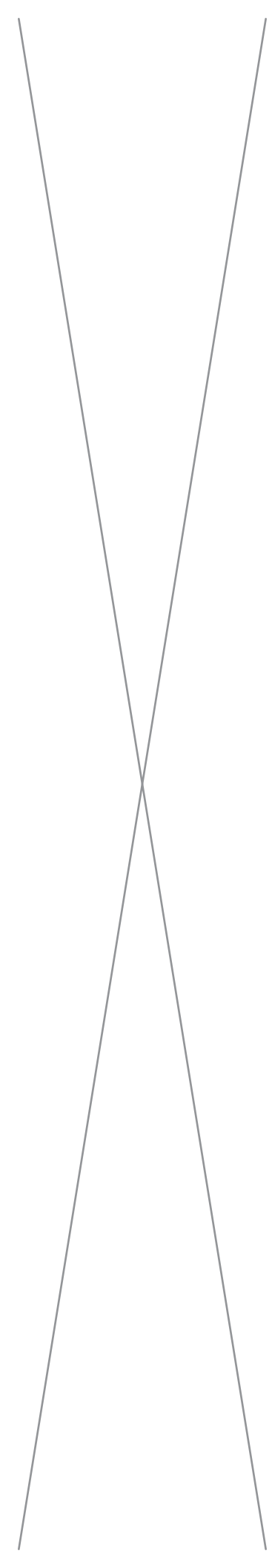
The Bureau, and all of the participating organizations, offer you best wishes for a successful and rewarding experience during this year's conference.

Sincerely yours,

A handwritten signature in cursive script that reads "Lee Burket".

Lee Burket, Ed.D.  
Director  
Bureau of Career and Technical Education

Greeting from the Director



# 39th Annual Pennsylvania Career & Technical Education Conference

## ***Policy Committee***

Chester Wichowski, Chairperson  
Co-Chair PA-ACTE Awards Committee  
Center for Professional Development in Career and Technical Education  
Temple University

Lee Burket  
Pennsylvania Department of Education  
Bureau of Career and Technical Education

Jacqueline Cullen  
Pennsylvania Association of Career and Technical Administrators

David Dayok  
Pennsylvania State Education Association  
Department of Career and Technical Studies

## ***Planning Committee***

Paula Andrei  
Conference Coordinator  
Center for Career and Technical Personnel Preparation  
Indiana University of Pennsylvania

Alice Davis  
Commercial and Educational Exhibits  
President, Pennsylvania Association for Career and Technical Education  
Susquehanna County Career & Technology Center

Joseph DeFranco  
Co-Chair PA-ACTE Awards Committee  
Center for Professional Development in Career and Technical Education  
Temple University

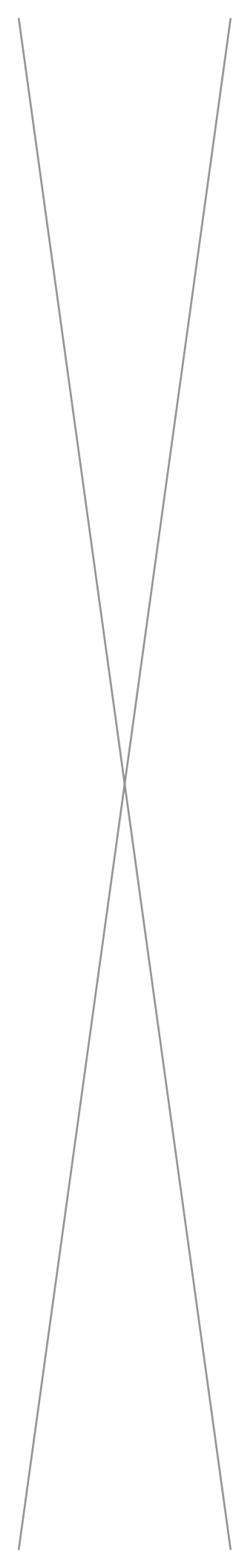
Gloria Heberley  
Treasurer  
Center for Professional Development in Career and Technical Education  
Temple University

William Henry  
Commercial and Educational Exhibits

Jennifer Nicholas  
Professional Personnel Development Center Representative  
Penn State University

## ***Supporting Organizations***

Pennsylvania Association for Career and Technical Education (PA-ACTE)  
Pennsylvania Association of Career and Technical Administrators (PACTA)  
Pennsylvania Department of Education, Bureau of Career and Technical Education (PDE-BCTE)  
Pennsylvania State Education Association, Department of Career and Technical Studies (PSEA-DCTS)



## 39th Annual Pennsylvania Career & Technical Education Conference

Keynote and General Session Speakers



**Dinner Keynote Speaker**  
**Thursday, June 27, 2013**

**James W. Comer**  
**Past President, ACTE**

Jim's career prior to becoming involved in career and technical education includes experience in the banking industry, owning a manufacturing company, and holding various positions in the healthcare industry. His career in CTE began as a Small Business instructor and founder of a program for entrepreneurs. He then went on to serve as the director of the Small Business and Self-Employment Programs for the state of Oklahoma. Jim later served as Field Services Coordinator and worked with many of the Technology Centers as their liaison to the State Agency.

Jim has visited over 25 states spreading the message of career and technical education and has held offices in CTE including state Vice President of New and Related Services, President of Customized Business and Industry Training Services (CBITS), State President of OkACTE, Vice President of Adult Workforce Development Division, member of the Executive Committee for ACTE, Chair of various committees, and Past President of ACTE. He has served as President of the Oklahoma Business Incubator Association and is a Certified Economic Development Professional. Jim currently serves as the Continuing Education Coordinator for Francis Tuttle Technology Center.

**Brunch Keynote Speaker**  
**Friday, June 28, 2013**

**Lee Burket, Ed.D.**  
**Director**

**Pennsylvania Department of Education, Bureau of Career and Technical Education**  
[www.pde.state.pa.us](http://www.pde.state.pa.us)



Dr. Burket started with the Department of Education, Bureau of Career and Technical Education in 2003 and has served in a number of capacities. She started as the Work-Based Learning Coordinator, has served as Acting Assistant Bureau Director twice, and twice as Acting Bureau Director. She also served as the Tech Prep Coordinator at PDE from 1993 to 1996.

Prior to working at PDE, Dr. Burket served as Acting Director, Assistant Director and Adult Education Coordinator at Admiral Peary Area Vocational-Technical School. She served in these various leadership positions at the school for approximately 8 years.

Dr. Burket earned her doctorate in Adult Education at the University of Georgia. She went to UGA on a Kellogg Fellowship. Her responsibilities focused on rural revitalization and evaluation of the revitalization efforts. She also worked as a research assistant with the UGA Cooperative Extension Service. After completing her degree, she worked at UGA as a program developer. In this role she developed program standards for post-secondary vocational-technical institutions.

ACTE's CareerTech

# VISION



# 2013



## LAS VEGAS

is getting ready for YOU, your CTE colleagues and the best CTE professional development event of the year—ACTE's CareerTech VISION 2013!

From December 4-7, achieve your individual and institutional objectives in a refreshing and stimulating way that will spark your creativity and provide real-world solutions.

### GET MOTIVATED BY:



#### Thursday's General Session Speaker:

Adam Sáenz, author of *The Power of a Teacher*, will be the first to admit that his journey through life so far has been an amazing one, filled with tremendous highs and profound lows. At every important juncture there have been two common elements, lifesavers that appeared when

he really needed it: education and teachers. Along the way, this son of blue collar parents gained two doctorate degrees, with training at Harvard Medical School and Oxford University. Adam is not your ordinary school psychologist. His personal story will inspire you; his General Session will empower you!

Add value to your VISION 2013 learning experience by attending a pre-VISION Workshop:

- Embedding the Common Core State Standards Using Project-based Learning
- Assignments Given in Career and Technical Classrooms Matter
- Anatomy in Clay® Staff Development: The Vessel of Success STEMS from BUILDING on a Strong Foundation
- U.S. Army Leadership Workshop

**REGISTER TODAY!**

**DEC. 4-7, 2013**  
**LAS VEGAS, NEVADA**

### TAKE ADVANTAGE OF:

**Hotel Saving**—Reserve your hotel before July 13, 2013, and save! Las Vegas Hotel early-bird rate until July 13, 2013, \$89 single/double. After July 13, 2013: \$105 single/double

**VISION 2013 Early-bird Registration**—Secure your spot today and take advantage of the early-bird discount. You can save more than 25% off on-site registration fee!

Plan now to join thousands of your fellow CTE professionals in Las Vegas, Nevada, Dec 4-7!



SCAN HERE ▼

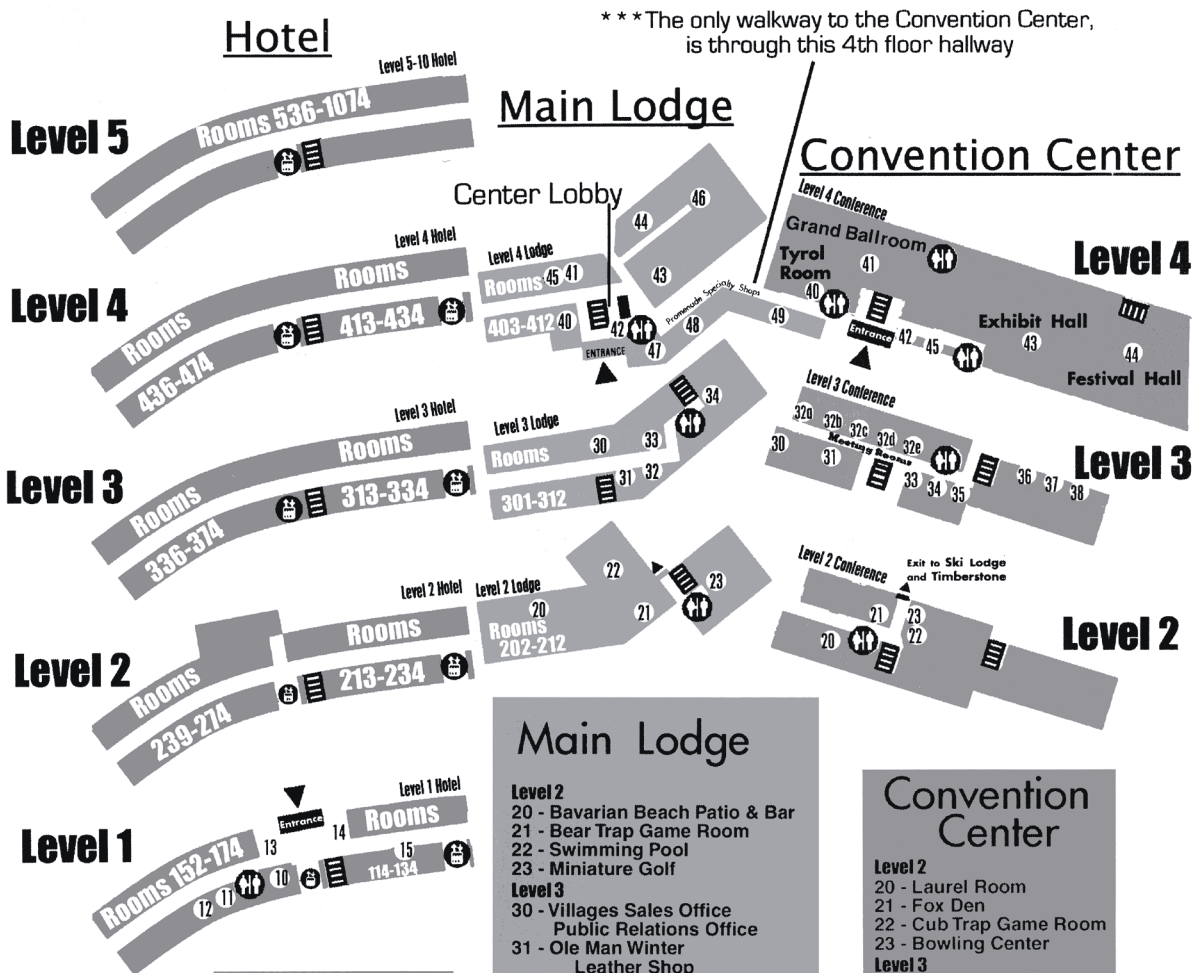
**FOR MORE INFORMATION, VISIT**  
**WWW.CAREERTECHVISION.COM.**



Association for Career and Technical Education • 1410 King Street, Alexandria, VA 22314  
Toll-free: 800-826-9972 • Fax: 703-683-7424 • [www.acteonline.org](http://www.acteonline.org) • Educate. Advocate. Lead.



\*\*\* The only walkway to the Convention Center, is through this 4th floor hallway



**Hotel**

**Level 1**  
 10 - Registration  
 Check-in/Check-out  
 11 - Reservations Office  
 12 - Hotel Manager  
 13 - Lobby Bar  
 14 - Hotel Service  
 15 - Ski Trips Office

**Main Lodge**

**Level 2**  
 20 - Bavarian Beach Patio & Bar  
 21 - Bear Trap Game Room  
 22 - Swimming Pool  
 23 - Miniature Golf

**Level 3**  
 30 - Villages Sales Office  
 Public Relations Office  
 31 - Ole Man Winter  
 Leather Shop  
 32 - Security Office  
 33 - Matterhorn Lounge  
 34 - Alpine Room

**Level 4**  
 40 - Sales Office  
 41 - Bavarian Lounge  
 42 - Guest Information  
 43 - Coffee Shop  
 44 - Slopeside Inn  
 45 - Bar & Entertainment Office  
 46 - Oak Room  
 47 - Mountain Memories  
 Photography  
 48 - Hair Expressions  
 Treasure Haus  
 49 - Pizza and Pastry Place  
 Good Sport  
 Mother Nature's Outfitters  
 Gift Shop  
 Barron's at the Springs  
 Good Sport II

**Convention Center**

**Level 2**  
 20 - Laurel Room  
 21 - Fox Den  
 22 - Cub Trap Game Room  
 23 - Bowling Center

**Level 3**  
 30 - Directors Room 1  
 Directors Room 2  
 31 - Wintergreen  
 32a - Seasons 1  
 32b - Seasons 2  
 32c - Seasons 3  
 32d - Seasons 4  
 32e - Seasons 5  
 33 - Snowflake Forum  
 34 - Sunburst Forum  
 35 - Hemlock room  
 36 - Chestnut room  
 37 - Evergreen room  
 38 - Dogwood Forum

**Level 4**  
 40 - Tyrol Room  
 41 - Grand Ballroom  
 42 - Go-Team Office  
 43 - Exhibit Hall  
 44 - Festival Hall  
 45 - Stag Pass

- Stairs
- Restrooms
- Elevators

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**8:00 a.m. - 5:00 p.m.**

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Stag Pass      **Registration**

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**11:00 a.m. - 11:30 a.m.**

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Seasons 5      **First-Time Attendee Orientation Session**Chester Wichowski - Policy Committee Chair, PA•CTEC  
Alice Davis - Exhibits Chair, PA•CTEC

This orientation session is designed for first-time attendees, although all conference participants are welcome to attend. Take this opportunity to learn how to get the most from the conference.

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**11:30 a.m. - 12:30 p.m.**

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Grand Ballroom      **Luncheon Buffet and Opening General Session**

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**12:45 p.m.**

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Grand Ballroom      **Connecting Education & Careers: Industry Tours**  
Lobby

Tour participants should meet in the lobby outside of the Grand Ballroom for instructions.

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**1:00 p.m. - 2:00 p.m.**

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Seasons 1      **The Milton Hershey School Advantage: Work-Based Learning**

Robert Kemmery - Milton Hershey School

For more than 100 years, the Milton Hershey School has been helping children from poverty to rise above their family circumstances to lead fulfilling and productive lives. The high school is career themed for all students, with work-based learning the vehicle throughout their high school experience. This presentation will focus on programs of study, career development activities, work-based learning opportunities, out-of-classroom partnerships, industry-recognized certifications, and transition services.

Seasons 3      **Utilizing Dynamic and Interactive QR Codes in the Classroom – A Beginner's Guide**

Kara Romance - Indiana University of Pennsylvania Eberly College of Business

QR codes are everywhere and offer many dynamic uses in education, but do you know what they are and how they work? Are you aware of the many creative and collaborative ways they can be integrated into classroom projects, assignments, and activities? QR codes in the classroom offer an abundance of options to teachers and learners alike. Kinesthetic and visual learners will appreciate the hands-on approach in creating and utilizing such applications. Step-by-step instructions in generating and scanning QR codes will be presented, along with ideas for classroom uses.

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**1:00 p.m. - 2:00 p.m. (continued)**

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Seasons 5

**Immersive Instruction in Career and Technical Education**

Steven Park - CTE and Workforce Education Consultant

Immersive instruction creates a receptive state for learning and an atmosphere in which learning is more successful for all varieties of learners. This approach does not replace other learning theories or instructional methodologies. It provides the overall environment in which any adopted instructional technique will be made more successful.

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**2:15 p.m. - 3:15 p.m.**

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Seasons 1

**Auto Program Accreditation: How Industry and Education Make Change Happen**Chuck Roberts - National Automotive Technicians Education Foundation (NATEF) -  
Automotive Youth Educational Systems (AYES)

This presentation addresses the creation of the ASE Industry Education Alliance which supports auto/truck/collision technology program accreditation at the secondary and post-secondary levels. During the presentation, participants will learn how programs can become NATEF accredited and participate in the AYES that prepares students for interviews, internships and employment at automotive service and repair outlets.

Seasons 3

**The Challenge Program, Inc.: Developing our Future Workforce**Anna Gibbs - The Challenge Program  
Joe Iannetti - Western Area Career & Technology Center  
Debra Livolsi - FTS International

The Challenge Program, Inc. partners with businesses to motivate high school students to excel in school while introducing them to career opportunities and industries in their communities. Our cash incentive award categories encourage students to attend school every day, to improve their academic performance, to raise their expectations, and to serve their communities. In the process, students are developing solid work habits needed for a fulfilling education, personal growth, and career success.

Seasons 5

**Strategic Alliance and Its Use as a Problem Solving Tool**

Karen Coutrier - Long Island Educational Opportunity Center, Farmingdale State College

Participants of this session will learn about the creation of a unique inter-professional collaboration between a degree bearing nursing program and a vocational nursing assistant program. The collaboration allowed the students to evaluate and enhance the learning process through reflective thinking, real life experience, and debriefing.

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**2:15 p.m. - 3:15 p.m. (continued)**

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Chestnut Room

**Making Literacy Part of the Classroom Culture**

Dan Perna - James Daniel &amp; Associates, LLC

Joe Luther - Central Pennsylvania Institute of Science and Technology

Like many new teachers, Joe Luther found teaching to be a very bewildering experience. He learned that simply delivering information just did not work. After working with a literacy coach and experimenting with numerous engaged learning activities, Joe has integrated literacy activities as part of his daily instruction. This process has taken him from bewildered to excited. His students now enjoy high levels of achievement, and he is coaching other teachers in the use of engaged literacy activities. In this session, participants will see how to become comfortable with engaged learning activities and how the strategies can become a standard practice within the classroom.

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**3:30 p.m. - 4:30 p.m.**

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Seasons 1

**Recruiting Non-Traditional Middle School Students to Health Sciences Careers**

Carol Adukaitis - PA State System of Higher Education

Jerilynn Millvan - PDE, Bureau of Career and Technical Education

The PA Center for Workforce Information & Analysis expects that health care employment will continue to grow through 2020. Career opportunities exist for high school graduates and for post-secondary students. Learn how PDE and PASSHE organized Health Sciences STEM Academies to promote career awareness in high-priority health occupation careers and to provide opportunities for students and their parents to engage in hands-on activities to learn about STEM applications.

Seasons 3

**Educating Students With Educational Challenges**

Erica Bobbitt - Penn State University

Connie Baggett - Penn State University

This study assessed the differences in the self-perceived competence levels between secondary school agriculture teachers in Pennsylvania and North Carolina toward educating students with educational challenges. Statistically significant differences existed between the perception among teachers who did and who did not attend special education workshops. Teachers who attended workshops perceived themselves to be more competent to educate students with educational challenges. Teachers in both states perceived themselves to be least competent in the areas of the IEP, self-advocacy and cognitive skills factors but competent in the instruction, leadership, skills and abilities, and administration factors.

During this session, we will share the results of the study, recommendations based on the findings, and recommendations for future research.

**3:30 p.m. - 4:30 p.m. (continued)**

Seasons 5

**Integrating Literacy into the CTE Classroom Using Regular Education Materials and Strategies**

Sue Birtch - Susquehanna County Career & Technology Center  
 Kim Cosklo - Susquehanna County Career & Technology Center  
 Kevin Noldy - Susquehanna County Career & Technology Center

Working together with High School Literacy/English teachers, our school has developed techniques and strategies to use daily in the CTE classroom that directly relate to the high school curriculum. This presentation will explain how to work with high school teachers, how to use their techniques in CTE, how to adapt their curriculum to ours, examples of strategies that we use, as well as what works and what doesn't.

Chestnut Room

**Using a Notice and Wonder Method to Attack the PA Common Core Math Standards**

Dan Perna - James Daniel & Associates, LLC  
 Tom Boito - James Daniel & Associates, LLC

Tom Boito and Dan Perna have begun to offer workshops on a math instructional strategy called Notice and Wonder. Within this strategy, they help teachers recognize that the Common Core State Standards and PA Common Core Math Standards are a set of activities and skills that students need in the adult world. In this session, they will focus on the Notice and Wonder strategy that can help teachers to engage students in math thinking and questioning.

**6:00 p.m.**

Grand Ballroom

**Professional Networking**

*Join us for an opportunity to meet old friends and make new professional connections.  
 All are welcome!*

**6:30 p.m.**

Grand Ballroom

**Dinner Buffet - Mountain Style Barbecue**

## **Thank You!**

*Connecting Education and Careers: Industry Tours  
 were made possible because of the participation of the following individuals and businesses:*

*Bette Slayton, President, Bedford County Development Association*

*Dr. Allen Stone, Superintendent, Bedford Area School District*

*Recreational Equipment, Inc.*

*B.C. Stone*

*MDL Manufacturing Industries, Inc.*

*Lampire Biological Laboratories*

*Omni Bedford Springs*

**7:30 a.m. - 8:45 a.m.**Grand Ballroom      **Buffet breakfast at your leisure****8:00 a.m. - 4:30 p.m.**Stag Pass      **Registration****9:00 a.m. - 4:30 p.m.**Exhibit Hall      **Educational and Commercial Exhibits****9:00 a.m. - 10:00 a.m.**Seasons 1      **STEM Strategies**

Joanna DeFranco - Penn State University

STEM education is a national concern. According to the National Science Foundation, the number of STEM occupations grew from 182,000 to 5.5 million between 1950 and 2007. Predictions are that the growth rate for STEM occupations will be DOUBLE the growth rate for ALL occupations by 2016. This presentation will discuss what educators and industry professionals are doing to enhance STEM efforts and how this can be applied to CTE.

Seasons 2      **Improving Technical Instruction with Classroom Response Systems**

Paul Rutledge - Training Masters, Inc.

Classroom response systems (CRS) have been utilized in education for a number of years, but are relatively new to the CTE community. CRS can be used to help increase CTE students' technical competence. This session will demonstrate how the Philadelphia school system worked with NOCTI and Training Masters to establish an interactive system to assure that students are competent and prepared for certification exams!

Seasons 3      **The NBPTS Teacher Assessment Rubric - An Alternative to Danielson's Framework for Teaching**

Thomas Viviano - Middle Bucks Institute of Technology  
 Christopher Tully - Middle Bucks Institute of Technology  
 Stephanie Gregory - Middle Bucks Institute of Technology

After looking at the PDE-adopted Danielson's Framework for Teaching as a teacher assessment tool, CTE educators have asked for a rubric more related to CTE and one that is more objective. We have worked with PDE and the National Board for Professional Teaching Standards (NBPTS), using components from the NBPTS accomplished teacher CTE strain, to develop a fair and appropriate rubric that fits both of these concerns.

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**9:00 a.m. - 10:00 a.m. (continued)**

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Seasons 4

**Oh, the Places You'll Go!**

Karen Rivosecchi - IUP Center for Career and Technical Personnel Preparation  
 Tim Bash - Indiana County Technology Center  
 Debbi Walter - Mon Valley Career & Technology Center

Dr. Seuss says, "You have brains in your head. You have feet in your shoes. You can steer yourself any direction you choose. You're on your own. And you know what you know. And YOU are the guy who'll decide where to go." But do they really know where they want to go? Help your students put their feet in their shoes with this series of activities that help you see where they are, what they know, and what they think after they leave. Two CTE teachers will share their experiences and provide resources that you can adapt for your CTE class.

Seasons 5

**CTE + (Math + X) = Integration+**

Julie Boyd - IUP Center for Career and Technical Personnel Preparation  
 Travis Payne - Connellsville Area Career and Technical Center  
 Danielle Wilber - Erie County Technical School

Career and technical teachers have always taught embedded math in their program tasks. For the last decade or more, CTE teachers have been charged with integrating academics, including math, into their programs. So what's new and different? The presenters will explain the extra step that CTE teachers can take to boost their students' math skills and offer effective strategies and resources they have used - "the X factors" - to provide motivation and instruction.

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**10:00 a.m. - 10:45 a.m.**

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Exhibit Hall

**Break**

*Coffee, tea, juice, soft drinks, bottled water, fruit, sweet breads, and granola bars*



*Sponsored in part by Access Midstream*

Use this time to visit the educational and commercial exhibits. While you are there, look at the prizes and place your completed "prize tickets" from your registration packet into the containers next to the prizes that you would like to win. Names of the lucky winners will be posted inside the Grand Ballroom on Friday morning. Prizes will be distributed after brunch the same day. Prize winners must be present to claim their prizes. Thank you to the companies and schools for your generous donations!

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**10:45 a.m. - 11:45 a.m.**

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Seasons 1

**The Best from the Best: PLC Highlights for Carpentry, Automotive Technology and Cosmetology**

Matt Fleck - Meeder Consulting

This session will be a robust, interactive discussion among participants from this year's BCTE online Professional Learning Communities (PLCs). Join your fellow Carpentry, Automotive Technology, and Cosmetology instructors to review best practices in math integration, NOCTI prep, work-based learning, using advisory boards, and other hot topics. Plus, find out how to stay connected and access a tested collection of lesson plans and resources for your classroom.

Seasons 2

**Create Student ePortfolios Using PowerPoint**

Jerry Shirey - Lenape Technical School

Learn to create ePortfolios using PowerPoint, with an option to utilize Moodle and DropBox. Future employers, higher education personnel, and students can access an ePortfolio by clicking through a PowerPoint. ePortfolios can be distributed on a CD or through the DropBox website. Session attendees will receive handouts and a CD containing the presentation.

Seasons 4

**Partners In Education Programs**

Stanley Jones - Pennsylvania Army National Guard

Our highly motivational presentation will help you to help students believe that they can shape their futures and make them want to do so. The goal is neither to tell students "everything there is to know" about a topic, nor to give them a "broad-based" understanding of the subject. Rather the goal is to give students an essential skill or a shift in their thinking which helps them make wise decisions right now and throughout their lives.

Seasons 5

**Process Writing: Think, Write, Connect and Learn!**

Tracy Stettler - Reading Muhlenberg Career & Technology Center  
 Thomas Dietrich - Reading Muhlenberg Career & Technology Center  
 Mark Vrabic - Reading Muhlenberg Career & Technology Center

Do your students write on a daily or weekly basis? Process writing is a fun and easy way to check for student understanding and allow students to connect personally with the content being taught. Join the literacy coach and program instructors from Reading Muhlenberg CTC at this interactive session for some great ideas to get your students thinking and writing!

Chestnut Room

**Pennsylvania Association of Career and Technical Administrators**

Executive Committee Meeting

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**11:45 a.m. - 12:45 p.m.**

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Exhibit Hall

**Luncheon Buffet**



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**1:00 p.m. - 2:00 p.m.**

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Seasons 1

**Traumatic Brain Injury: Return to Play, Return to School, and Now -- Return to CTE**

Brenda Eagan Brown - BrainSTEPS - Brain Injury Association of Pennsylvania  
Michael McDermott - Indiana County Technology Center

The incidence of high school students identified with lingering symptoms of a concussion is rising. In Pennsylvania, a wealth of information guides the medical community and school districts to make informed, intelligent decisions about returning these students to the playing field and academic environment. Unfortunately, there has been little to no discussion about returning these same students to the academically and physically demanding environment of the CTC. We will discuss why a concussed student's recovery should be planned for and supported by all school personnel until the concussion has resolved.

Seasons 2

**Green Ribbon Schools**

Eric Heasley - A. W. Beattie Career Center  
Wesley Kuchta - A.W. Beattie Career Center

A.W. Beattie Career Center is the first LEED Gold Certified Career Center in PA and was recognized in 2012 as a U.S. Department of Education Green School Award Winner. During this presentation, you will learn about opportunities that go beyond awards and about how to build teamwork in a school.

Seasons 3

**SOAR Program of Study Update**

Dave Garnes - PDE, Bureau of Career and Technical Education

This session will provide updates to the Students Occupationally and Academically Ready (SOAR) Programs of Study (POS) Initiative. Updates include information on POS implementation for Phase III programs, Phase IV POS revision process, statewide articulation opportunities with SOAR Programs, and web resources.

Seasons 4

**Pearson's NCCERconnect**

Susan Muggeo - Pearson, National Center for Construction Education and Research (NCCER)

NCCERconnect is an online course supplement consisting of an eBook and essential course management tools. It provides a range of visual, auditory, and interactive elements to enhance student learning and instructor delivery of craft training. It also can help keep training on schedule, save time, and provide students with an interactive and engaging self-study tool.

Seasons 5

**Marcellus Shale: A Unique Opportunity for Career and Technology Centers**

Dennis Dull - Mon Valley Career & Technology Center

The Marcellus Shale boom offers a unique opportunity for our schools and students. We will provide a brief insight into the creation of our program and the expected outcomes. From upstream, to midstream, to downstream there are nearly 150 different positions within the industry. We have a tremendous obligation to prepare our students for long and fruitful careers in this booming field.

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**2:00 p.m. - 2:45 p.m.**

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Exhibit Hall

**Break**

*Super Sundae - hand-dipped vanilla ice cream with assorted toppings, soft drinks, and bottled water*



*Sponsored in part by Access Midstream*

Take this opportunity to visit the educational and commercial exhibits and enjoy a mid-afternoon refreshment break. Don't forget to place your completed "prize tickets" from your registration packet into the containers next to the prizes that you would like to win!

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**2:45 p.m. - 4:15 p.m.**

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Seasons 4

**NCCER - Strategies for Success Workshop: Building Tomorrow's Construction Workforce**

Susan Muggeo - Pearson, National Center for Construction Education and Research (NCCER)  
Kim Grosel - Associated Builders & Contractors (ABC), Western Chapter  
Miriam Perez - National Center for Construction Education and Research (NCCER)

The construction industry is facing a severe shortage of qualified craft professionals while the education system is being challenged with tighter budgets and constraints. Whether you're an administrator or an active classroom teacher, attend this workshop to network with colleagues and to learn more about educational partnerships, the power of credentials, and to actively engage in a panel discussion with experts that are facing the same or similar challenges you are facing today!

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**2:45 p.m. - 3:45 p.m.**

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Seasons 1

**The Message, The Process, and Analyzing Results: Synchronizing Efforts to Improve Retention**

Keyla Kirton - Long Island Educational Opportunity Center, Farmingdale State College

Nonprofits and educational institutions are aware that marketing is important. Thousands of dollars are spent on materials, radio and television ads, and mailings, yet the message is not always in line with the organization's desired outcome. As a result, what begins as a flashy, glossy marketing presentation becomes a watered-down and unclear message.

In this session, we will debunk the myth of the "unlimited marketing budget" as the only way to improve recruitment and retention and explore how clear communication can offer the best return.

Seasons 2

**3D Printing Lessons and Activities for K-16 Educators**

Carol Adukaitis - PA State System of Higher Education

3D Printing, also called Additive Manufacturing, is an emerging technology and a future \$6 billion industry that will drive growth and maintain competitiveness in biotechnology, manufacturing, IT, and energy. Pennsylvania is involved with the launch of a new \$70 million federally-funded tri-state partnership headquartered at the National Additive Manufacturing Innovation Institute (NAMII) in Youngstown, Ohio. Learn how 3D funded career centers, community colleges, and universities are meeting industry certifications and employer needs.

**2:45 p.m. - 3:45 p.m. (continued)**

Seasons 3

**Teacher Evaluation Rubric**

Nancy Erwin - Center for Professional Development in CTE, Temple University  
 David Namey - Pennsylvania State Education Association - Department of Career and Technical Studies  
 Cynthia Pellock - Professional Personnel Development Center, Penn State University  
 Karen Rivosecchi - Center for Career and Technical Personnel Preparation, IUP

The new teacher evaluation system in Pennsylvania will include a new teacher evaluation rubric. Based on the Danielson Framework for Effective Teaching, it will include the domains of Planning & Preparation, Classroom Environment, Instruction, and Professional Responsibilities. Learn more about the instrument and the CTE examples correlated to the rubric that were developed by PDE-BCTE, PSEA-DCTS, and the Professional Development Centers at Temple University, Penn State University, and Indiana University of Pennsylvania.

Seasons 5

**Connecting Education and Careers: Creating Equity**

Anne Sourbeer Morris - A. Morris Consulting, LLC/Futures Inspired

This presentation will offer an overview of doctoral research titled: "Career and Technical Educator Attitudes: Girls Pursuing Nontraditional Programs of Study." The presentation will also review a survey conducted with CTE students pursuing nontraditional programs of study (POS). The findings are important to understanding barriers to CTE students, specifically girls, who are considering participation in nontraditional POS and to the pursuit of educational equity in schools. Solutions and strategies will be offered.

**4:15 p.m. - 5:15 p.m. Association Meetings**

Seasons 2

PA Association of Career and Technical Education (PACTE) - Special Populations General Membership Meeting

Seasons 3

PA Association for Career and Technical Education (PA-ACTE) General Membership Meeting

**6:00 p.m.**

Grand Ballroom

**Professional Networking**

*Join us for an opportunity to meet old friends and make new professional connections. All are welcome!*

**6:30 p.m.**

Grand Ballroom

**Dinner**

Keynote Speaker  
 James W. Comer  
 ACTE Past President

Pennsylvania Career and Technical Education Theme Winner Award Presentation

PA-ACTE Awards and Recognition

**7:30 a.m. - 8:15 a.m.**Seasons Lobby      **Continental Breakfast***Coffee, tea, and pastries***8:00 a.m. - 10:15 a.m.**Stag Pass      **Registration****8:15 a.m. - 9:15 a.m.**Seasons 1      **Turbocharged Teaching with Technology**

Ryan Devlin - Brockway Area High School

This session highlights a multitude of free web-based educational resources and tools best suited for bored adolescents in grades 7–12. Attend this session and discover resources that can help turbocharge your teaching or serve as assessment tools for project-based learning thus accelerating students' creativity, critical thinking, communication, and collaboration skills. Buckle up. This fast-paced session has many wonderful websites to share and a terrific title likely to be adored by America's favorite alliteration appreciators: Kris, Kourtney, Kim, and Khloé Kardashian. In all reality, if you love educational technology you'll want a front-row seat!

Seasons 3      **What Next?**

Barney Knorr - Center for Career and Technical Personnel Preparation, IUP  
 Mark Threeton - Professional Personnel Development Center, Penn State University  
 Chester Wichowski - Center for Professional Development in CTE, Temple University

Ever wonder what it takes to become certified as a director or supervisor of career and technical education? A principal? A co-op coordinator? This session, hosted by representatives from IUP, Penn State, and Temple will provide a summary of the admissions requirements, the courses that must be completed, and the potential employment opportunities.

Seasons 5      **Transitioning Students with Autism and Similar Disabilities from Your CTE Classroom to Work**

Debra Herman - Penn State University  
 Marybeth Morrison - Penn State University  
 Jennifer Nicholas - Penn State University

The CDC reports that the incidence of autism is now 1 in 50 individuals between ages 5-17. Understanding strategies to include these students in CTE programs is very important. This session will discuss information from CTEs about their students with autism and highlight some essential strategies and techniques for moving these students from school to work.

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**9:30 a.m. - 10:30 a.m.**

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Seasons 1

**NOCTI Group Task Analysis to Improve Curriculum and Instruction**

Todd Luke - MAX Learning

This presentation will demonstrate a method to analyze NOCTI scores for a program of study as well as an individual student. NOCTI provides this powerful group task analysis tool to CTE sites in Pennsylvania. Performance reports from the pre-test and post-test assessments can be mined for data that will improve instruction, curriculum, and measure student prior knowledge.

State Room

**Cool Cars, Amazing Plants, and Awesome Math!!!**

Lisa Hughes - Reading Muhlenberg Career & Technology Center  
 Sam Morraco - Reading Muhlenberg Career & Technology Center  
 Mark Vrabic - Reading Muhlenberg Career & Technology Center

What do cool cars, beautiful plants, and real world math have in common? When combined, they can open up a world of new strategies and ideas for your classroom. Join the RMCTC – SML (Sam, Mark and Lisa) team as we show you ways we have made math fun and exciting at Reading Muhlenberg Career and Technology Center.

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**10:45 a.m. - 12 noon**

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Grand Ballroom

**Brunch and Closing General Session**

Keynote Speaker  
 Lee Burket, Director  
 PDE, Bureau of Career and Technical Education

Awarding of Cash Prizes

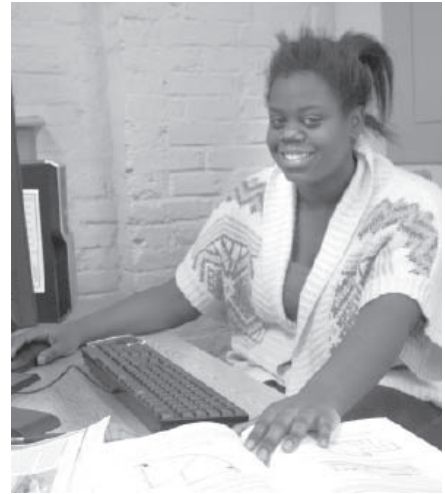
Awarding of Exhibit Hall Prizes

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<b>Exhibitor</b>	<b>Representative</b>
Bradford School	Jackie Boyd-Garbett
Hiram G. Andrews Center	Krista Bell
IUP Center for Career and Technical Personnel Preparation	Barney Knorr
Keystone Technical Institute	Andrew Blackstone
PA Association for Career and Technical Education (PA-ACTE)	Gerald Reichard
PA Association of Career and Technical Administrators (PACTA)	Jackie Cullen/John Pulver
PA Association of Career and Technical Education-Special Populations (PACTE-Special Populations)	Ruth Liebold
PA Cooperative Education Association	Warren Steigerwalt
PA Department of Education, Bureau of Career and Technical Education	Delmar Hart
PA State Education Association, Department of Career & Technical Studies (PSEA-DCTS)	David Dayok
Pennsylvania Army National Guard	Stanley Jones
Pennsylvania Higher Education Assistance Agency (PHEAA)	Daniel Wray
Pennsylvania Liquor Control Board	Suzanne Volpe
Pennsylvania State University	Marybeth Thompson
Pittsburgh Technical Institute	Vince Gratter
Public School Employees Retirement System (PSERS)	Dominic Corso
ShaleNET U.S.	Byron Kohurt
Susquehanna County Career & Technology Center	Alice Davis
Temple University	Gloria Heberly

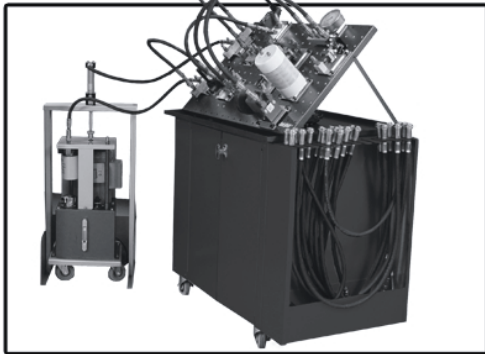


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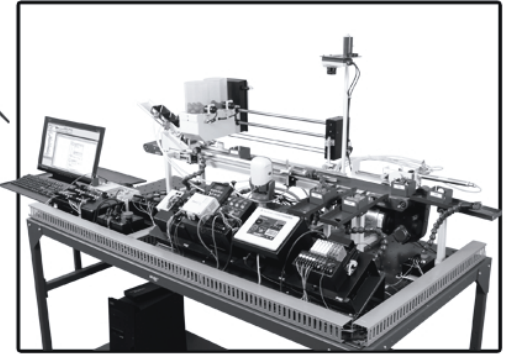
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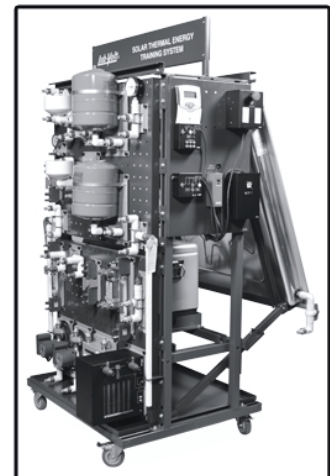
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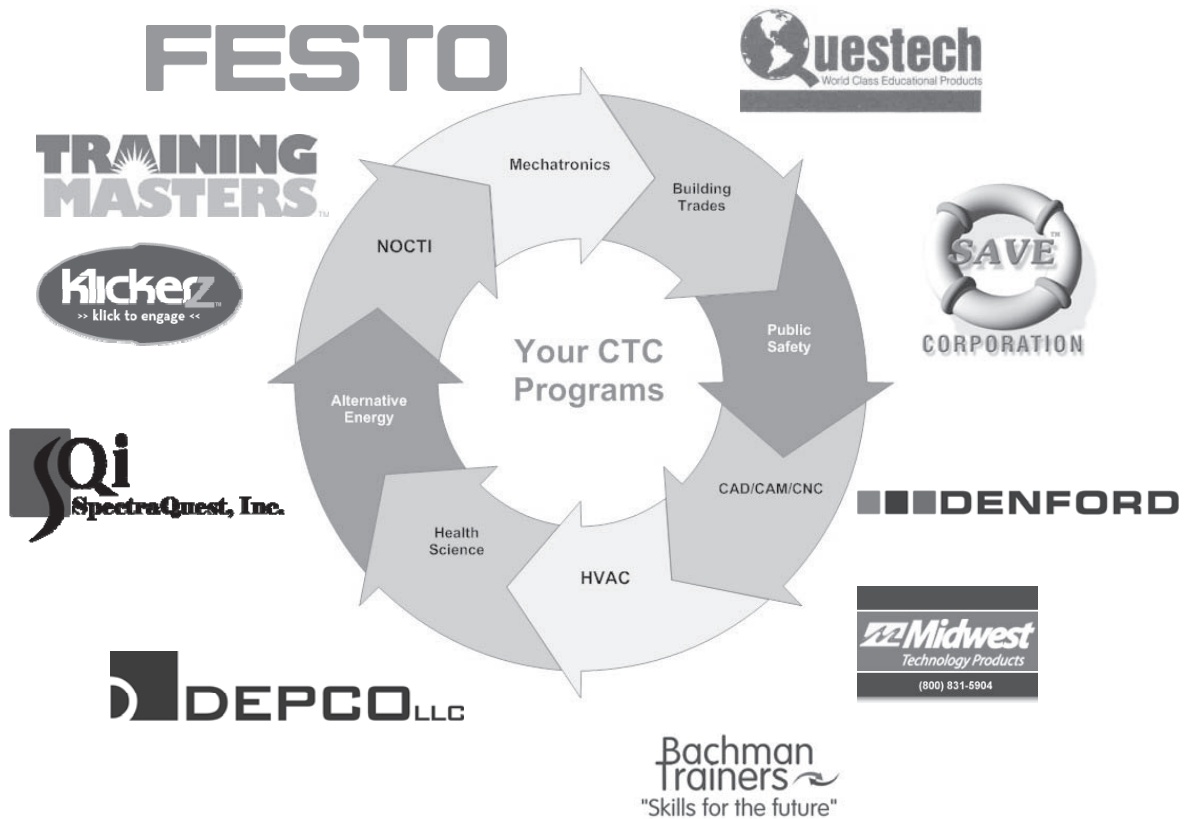
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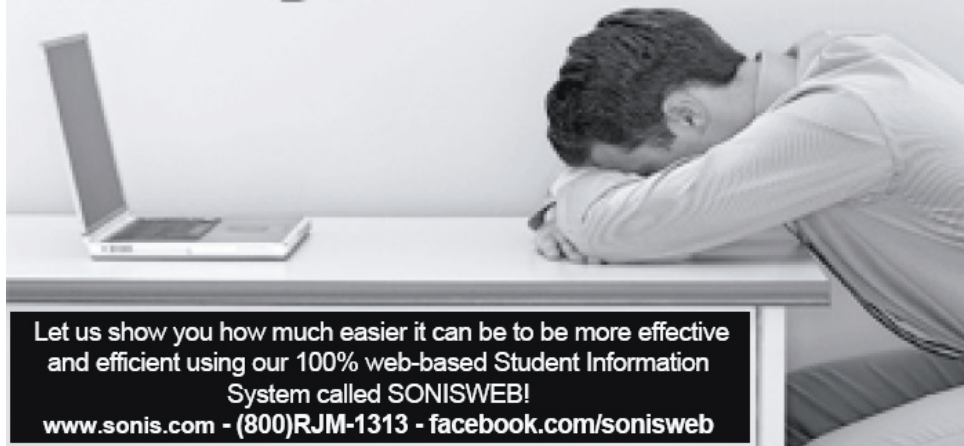
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For a chance to win a prize, deposit completed tickets from your registration packet into the container next to the item(s) you want to win. Names of the winners will be posted inside the Grand Ballroom Friday morning and prizes distributed at the conclusion of the brunch. The winner of the prize must be present to claim their prize. Thank you to the companies and schools for your generous donations!

**Commercial and Educational Exhibitors**

PA-ACTE.....	Gerald Reichard .....	PA-ACTE membership
PA Army National Guard.....	Stanley Jones.....	Computer bags (3)
Pennsylvania Liquor Control Board.....	Suzanne Volpe .....	T-shirts
Pittsburgh Technical Institute .....	Vince Gratter .....	Shirts

**Schools**

A. W. Beattie Career Center .....	Eric Heasley .....	Birdhouse
Berks Career & Technology Center.....	Gerald Galczynski.....	Cherry quilt rack
Chester County Technical College High School .....	Maribeth Myers.....	Drawsting backpack (2)
	Michael Katch .....	Flash drive bracelet (2)
		School magnet
		School polo shirts (2)
Franklin County Career & Technology Center .....	Marla Selman.....	Coat rack
		Carpentry item
Greater Altoona Career & Technology Center.....	Lanny Ross.....	Jewelry box
Hazleton Area Career Center.....	Lori Herman .....	Precision machined and computer-aided drafting item
Lehigh Career & Technical Institute .....	Dana Torok.....	Silk floral arrangement
		Wooden jewelry box
Northern Tier Career Center .....	Elizabeth Frankhouser.....	Ball peen hammer
		Desk set-business card holder
Reading Muhlenberg Career & Technology Center .....	Gerald Witmer .....	Custom earrings (4 sets)
		Custom handbags (2)
		Honey from Witmer's Apiary (3 lbs)
Somerset County Technology Center .....	Karen Remick.....	Decorative wall plaque
		Engraved glasses (2 sets)
SUN Area Technical Institute .....	Judy Sharer .....	Framed art work
		Lathe turned bowl
Susquehanna County Career & Technology Center.....	Alice Davis.....	Adirondack chairs
		Folding table
		Wooden clock
York County School of Technology .....	Scott Rogers .....	Coffee mugs (5)
		Painted desk clocks
		Plants/flowers
		Quilted pillow
		Rain guage (3)
		T-shirt
		Wind chime

## Acknowledgments

### **Thank You!**

*Thank you to the following individuals and businesses for contributing to the success of PA•CTEC 2013!*



Jon Krecota, Graphics and Electronic Media Instructor  
Ashley Karp, Student  
Christopher Letterle, Student  
Hannah McMunn, Student  
Pierce Valentin, Student

*Design of conference announcements, registration packet, and program cover.*



*Monetary donation to defray conference expenses.*



*Refreshment Break Sponsorship and monetary donation to defray conference expenses.*



