

8:00 a.m. – 9:00 a.m. **REFRESHMENT BREAK IN EXHIBIT AREA**

Blue Room

8:00 a.m. – 6:00 p.m. **EXHIBIT AREA OPEN**

Blue Room

8:00 a.m. – 5:00 p.m. **REGISTRATION**

Registration Desk

12:30 p.m. – 2:15 p.m. **OPENING GENERAL SESSION**

Red Room

Welcome/Remarks

Dr. Alice Davis

President

Pennsylvania Association of Career and Technical Administrators

Keynote Speaker (Sponsored by Allegheny Educational Systems, Inc.)

COMMON CORE STATE STANDARDS – IMPLICATIONS FOR CAREER AND TECHNICAL EDUCATION

Dr. Willard Daggett – CEO, International Center for Leadership in Education

2:15 p.m. – 2:45 p.m. **REFRESHMENT BREAK IN EXHIBIT AREA**

Blue Room

2:45 p.m. – 3:45 p.m. **BREAKOUT SESSIONS**

Red Room

**Common Core State Standards – Implications for Career and Technical Education
(Continuation of keynote session)**

Dr. Willard Daggett – CEO, International Center for Leadership in Education

Building on the keynote theme, if CTE programs see the Common Core State Standards as something they can address effectively in their courses, this can be the best of times for CTE. The presenter will explore the critical role CTE can play in implementation of the Common Core State Standards and provide specific suggestions for actions that CTE educators should take.

Wild Rose A

Humanoid Robotics and STEM

Mr. Michael Beiter – Instructor, Central Career and Technical Center

Mr. Raul Urbietta – Student, Central Career and Technical Center

Ms. Rachel Urbietta – Student, Central Career and Technical Center

Mr. Viktor Veretnov – Student, Central Career and Technical Center

Ms. Tatum Licata – Student, Central Career and Technical Center

This session will use the NAO robot to teach about math and science. This humanoid robot is designed with special features and is programmable so it can do anything. A team consisting of a CTE and four students will demonstrate what can be done in a secondary setting with humanoid robotics and how to use the humanoid robot to engage students. This team from Erie School District will demonstrate the NAO robot with a common core

aligned curriculum that integrates STEM. The NAO robot provides a unique platform to teach Computer Science and Robotics in an integrated STEM approach. Math and science concepts from algebra through geometry and physics are integrated into this unique humanoid robot. The nature of the robot attracts a wide variety of non-traditional students to these STEM fields.

Wild Rose B**Rethinking WIA Youth: Really Getting Youth to Work**

Ms. Korrie Lucas – Workforce Coordinator, Central Pennsylvania Workforce Development Corporation (CPWDC)

Ms. Courtney Hamm – Regional Youth Director, Central Susquehanna Opportunities, Inc.

Learn how the central region has redesigned Workforce Investment Act Youth programs to prepare youth to enter the workforce. Bridges to the Future helps high school students make connections to real life work experiences and the Career Education and Work Standards to prepare for their high school transition. The GET2WORK initiative helps all older youth, including those with a GED, diploma or postsecondary credentials, access PA CareerLink® services that put them on a path to employment.

Magnolia A**International Code Council – Building Code Certification for CTC Students**

Mr. James Ellwood – Consultant, International Code Council

The International Code Council (ICC), the largest building inspection code development organization in the US, is excited about offering your students the opportunity to obtain a Certificate of Accomplishment from the ICC. This certification is available to building, plumbing, mechanical and electrical students. The pilot program was started two years ago at Harford Technical High School in Bel Air, MD. Last year, 35 students at Harford Tech received a certificate of accomplishment in their specific field. York County School of Technology students began the program this year. The ICC's goal is to have students complete their specific trade's certification and continue to work towards receiving certification in the remaining three fields of construction.

Magnolia B**A Collaborative Project: Staff and Students Create Electronic Yearbook**

Ms. Kathryn Strouse – Administrative Executive Director, Middle Bucks Institute of Technology

Ms. Nancy Goth – Web Page, Digital Multimedia and Informational Design Teacher, Middle Bucks Institute of Technology

Through a collaborative effort, Middle Bucks Institute of Technology staff and students created an electronic yearbook. The project originated as a student's graduation project. A timeline was developed and committees created. Videos, photographs and pictures of students' work were collected. Each senior had their own page to customize for inclusion in the yearbook. The electronic yearbook cost the student \$3.00 or \$5.00 if they elected to receive a spiral notebook to collect classmates' signatures. The students were excited about the finished product because it highlighted their career and technical high school experience.

Magnolia C**Nontrad by the Numbers**

Ms. Mame Linford – Project Manager, School to Careers Programs, Chester County Intermediate Unit

Mr. Michael Katch – Principal, Chester County Technical College High School

Ms. Stephanie Everett – Assessment Specialist, Chester County Technical College High School

The Carl D. Perkins Career and Technical Education Improvement Act of 2006 mandates the continuous improvement of eight challenging accountability measures for Career and Technical Centers. Improvement of two of these measures, nontraditional participation and completion, can be analyzed using the research-based five-step Program Improvement Process developed by the National Alliance for Partnerships in Equity (NAPE). This session will present the journey through the five steps by a dedicated committee at the Chester County Technical College High School during the 2010-2011 school year. Root cause analysis led to the selection and implementation of two well-received strategies.

Magnolia D**Developing 21st Century Skills for Students through a District-wide Collaborative Implementation of a Guided Inquiry Science Curriculum**

Mr. Paul Joyce – Science and Technology Education Supervisor, West Chester Area School District

Mr. William Vosburgh – Retired Teacher, West Chester Area School District

This program will explain how an Elementary Science Leadership Committee implemented guided inquiry science curricula utilizing kits, customized texts, non-fiction readers, library connections, on-line resources and science notebooks. The process involved elementary teacher leaders as the principle trainers and building level implementers of change. The presentation will include a brief inquiry lab demonstration that facilitates student use of the following 21st Century skills: thinking critically and making judgments, solving complex open-ended problems, make innovative use of knowledge, communicating and collaborating and creativity.

3:45 p.m. – 4:00 p.m. **BREAK IN EXHIBIT AREA**

Blue Room

4:00 p.m. – 5:00 p.m. **BREAKOUT SESSIONS**

Red Room**A Relaxing Walk Through The Common Core Standards**

Dr. Daniel Perna – Owner and President, James Daniel & Associates, LLC

The presenter has been working with the Common Core Standards for two years has done many presentations and workshops to help educators see that the common core is nothing to fear. Through a project to compose a common core curriculum for the US Virgin Islands, the presenter has grasped the details and nuances of the standards. In this session, participants will take a walk through the Common Core Standards to show how they are constructed and how they make sense for all teachers. The session will be interactive and will aid in understanding how to work with this new set of standards.

Wild Rose A**Cyber Security Panel: Developing Career Pathways to Meet State and National Employment Needs**

LTC Randall Cudworth – Senior Army National Guard Advisor/Army Cyber Command, US Army

Dr. Paul Schembari – Chair, Professor, Department of Information Technology/Computer Security, East Stroudsburg University

Mr. Ronald Cudworth – Computer Network Instructor, Monroe Career and Technical Institute

Dr. Carol Adukaitis – Director, Pathways for Career Success, PA State System of Higher Education

What is Cyber Security and what state and national jobs and technical systems are involved with this industry cluster? Learn why network and information technology, especially cyber security Career Pathways are important to national preparedness and security. Hear about Cyber-Patriot, the premiere national high school cyber defense competition created to inspire students toward cyber security careers.

Wild Rose B**Building a Technology Centers/High Schools That Work Coalition**

Ms. Rachelle Romoda – Instruction & Curriculum Supervisor, St. Lawrence-Lewis BOCES

Ms. Debra Hall – Literacy School Improvement Consultant, Southern Regional Education Board

Ms. Kathleen McNally – Mathematics School Improvement Consultant, Southern Regional Education Board

Both the Technology Centers That Work and High Schools That Work initiatives can work in isolation, but the impact on student achievement can be maximized when both the part-time career and technology center and their sending high schools are all involved to support the Key Practices. Hear how one center is using opportunities for professional development to involve their sending schools – the result is joint work to meet mutual goals to support improvements in both academic and technical performance of their students.

Magnolia A**Connecting CTE and Academics through SAS Lesson Plans**

Ms. Cathleen Plesnarski – Assistant Director, Upper Bucks Co Technical School

Ms. Kathy Schick – Instructional Coach, Lehigh Career and Technical Institute

Ms. Elsie Bell – Director of Curriculum & Instruction, Lehigh Career and Technical Institute

The PDE Integration Council is looking for CTE Integrated lessons that are SAS ready! Find out the components of an Integrated CTE/SAS Lesson Plan, how to submit a lesson on the SAS website, and why this is so important to the CTE community. Recipients of the PDE Equipment Grant are encouraged to attend this session since submission of SAS-ready lesson plans is a requirement of the grant.

Magnolia B**Sharing Expertise – Industry Teaching Students in the Classroom**

Ms. Cindy Evans – Workforce Coordinator, Lehigh Valley Workforce Investment Board, Inc.

Ms. Janet Janda – Corporate Staffing Manager, B. Braun Medical, Inc.

Working together to bring industry into education, the Lehigh Valley Business Education Partnership is providing a direct “business leaders to high school students” connection.

B. Braun Medical employees have worked with Catasauqua High School educators to develop a high school career awareness class that is built into the school year curriculum. Join us as we share this local partnership's model that can easily be replicated.

Magnolia C**The CTEDDI Process of Continuous Improvement Prepares the Workforce**

Dr. Carol L. Hodes – Senior Consultant, NOCTI

The CTEDDI (CTE Data-Driven Improvement) model brings best practices of the data-driven movement to CTE. The basis of this model is a NRCCTE-sponsored research study by NOCTI researchers that established the needs of CTE educators in the area of using assessment data. CTEDDI is designed to prepare both administrators and instructors to document their use of technical assessment data in a process of continuous program and instructional improvement, which is often required for program approval or by accrediting agencies. Attendees will learn about the process of data review and action planning based on their own program's data.

Magnolia D**A K-12 Comprehensive Career Development Plan for ALL Students**

Ms. Nancy Tkatch – Administrative Director, West Side Career and Technology Center
 Mr. Michael Nardelli – Career Counselor, Northwest Area School District
 Mr. Ryan Miner – Secondary Principal, Northwest Area School District

Students preparing for the 21st century workforce should begin exploring careers at every grade level during their educational career. If they are beginning to investigate careers at the high school level.....IT'S TOO LATE! This presentation will focus on the "Who, What, Where and How" to involve students in the stages of career exploration in grades K-3, 4-5, 7-8 and 9-12 during their education in a comprehensive school district with collaboration of the local career and technology center. Examples of projects will be offered from in-class assignments, Junior Leadership experiences, professional learning community examples, and job shadowing opportunities and how all of these lead up to the culminating career-based graduation project.

5:00 p.m. – 6:00 p.m. **RECEPTION IN EXHIBIT AREA**

Blue Room

6:00 p.m. – 8:00 p.m. **DINNER**

Nigerian Room

Featured Speaker

The Honorable Ron Tomalis – Secretary of Education, Pennsylvania Department of Education

7:00 a.m. – 8:00 a.m. **CONTINENTAL BREAKFAST**

Red Room

8:00 a.m. – 9:00 a.m. **BREAKOUT SESSIONS**

Wild Rose A

The Future Is Mine

Mr. Stephen Seliy – Associate Executive Director, The Consortium for Public Education
Ms. Gina Barrett – Project Coordinator, The Consortium for Public Education

The Future Is Mine (TFIM) is The Consortium for Public Education's initiative that reaches into high, middle and elementary schools to connect students to authentic career awareness experiences, civic engagement, leadership development and service learning. There are currently teams of up to 75 members in 25 different school districts. TFIM helps students focus on learning how to drive their careers, from accessing appropriate academic opportunities to packaging skills and talents to navigating the world of work. Its goal is to help all students find their passion and pursue their dreams, but in an informed way that leads to future success.

Wild Rose B

Preparing Pennsylvania's 21st Century Workforce: Milton Hershey School's Exemplary Career and College Program

Mr. Robert J. Kemmery – Director of Career/Technical Education & Transition Services,
Milton Hershey School

For more than 100 years, Milton Hershey School has been helping children from poverty rise above the challenges of their family circumstances to lead successful and productive lives. The Hershey's original dream and the career focus of the school have evolved dynamically and positively to meet the challenging education and workplace needs of Pennsylvania and the nation. This presentation will focus on the following components of the MHS Career/Technical Education Program.

- *College Preparatory Academic Curriculum (Plans of Study)*
- *Career Development Opportunities Pre K-Postsecondary*
- *Minimum of Four Credits in a Career Pathway*
- *Work-based Learning Opportunities*
- *Extensive Out-of-Classroom Resources and Partnerships*
- *Industry Recognized Certifications/Licenses*

Magnolia A

Is Pennsylvania Meeting the Challenge?

Dr. John Foster – President/CEO, NOCTI

The report from the Pathways to Prosperity focuses on the limitations of a narrowly focused academic educational preparation. The report advocates, among other things, high quality CTE. Similar recommendations can be seen on the international front in OECD's Learning for Jobs. Using the lens of technical assessment scores from the largest technical assessment firm in the country, find out how we are progressing as a nation and how the state of Pennsylvania compares as well. Are we delivering high quality CTE?

Magnolia B **Preparing the Workforce of Tomorrow with TANF Youth Services Funding**

Ms. Marla Doddo – Youth Services Manager, Luzerne Schuylkill Workforce Investment Board, Inc. (LSWIB)

Ms. Jeanne Yoho Miller – Director of Carbon and Schuylkill County Educational Services, Lehigh Carbon Community College

LSWIB developed a creative initiative to distribute TANF Youth Services funding for programming. Initially the Youth Council of the LSWIB funded an asset map to identify the gaps in programming for youth PreK-22 in their two county service region. The map identified programs in public schools, nonprofit organizations, and institutions of higher education that focus on career awareness, literacy, and STEM. It was determined that programming was limited and not available to the majority of youth. As a result, the Youth Council determined to distribute their TANF dollars through a RFP process to support this type of programming. In performance year 2010, the Youth Council's TANF dollars provided programming for over 450 TANF-eligible youth. One of the most successful programs funded was the SHINE afterschool program.

Magnolia C **Novel Nanotechnology Applications for Agriculture: Need and Opportunity for Trained Workforce and Informed Educators**

Dr. M. V. Pattarkine – Associate Professor Biotechnology, Harrisburg University of Science and Technology

Ms. Cathy Thomas – Integrated Pest Management Coordinator, Bureau of Plant Industry, Pennsylvania Department of Agriculture

Nanotechnology is being considered as a revolutionary science for the 21st century. Agriculture, energy, medicine and environment are the major industries that stand to benefit tremendously from nanotechnology. Nanotechnology allows resource conservation coupled with cost-effective, greener, and sustainable technologies. There is a need to proactively create awareness among students and educators about the potential applications of innovative nanotechnologies for agriculture and the projected need for a nanotechnology-trained workforce for this industry in the near future. This presentation covers potential nanotechnologies and job opportunities for these fields, focused on nanobiopesticides, green and controlled-release fertilizers and field sensor systems which allow the minimal use and targeted application of pesticides, fertilizers and water inputs.

Magnolia D **A CTE Special Education Liaison Mode**

Ms. Lisa Tzanakis – Special Education-Community Based Instruction Supervisor, Chester County Intermediate Unit

Mr. Richard Weber – Learning Support Teacher, Chester County Technical College HS

Mr. Paul Houghton – Learning Support Teacher, Chester County Technical College HS

Ms. Danielle Horvat – Learning Support Teacher, Chester County Technical College HS

This session will describe a successful model for building participation at IEP meetings with sending schools and CTE instructors. Participants will learn how CTE instructors, administrators and support staff utilize a district liaison model as a tool to represent CTE student transition and special education programming in a part-time CTE setting. Participants will be provided with an overview of how CTE instructors participate in IEP team meetings. The role of the learning support teacher as liaison

between the CTE center and the sending school will be explained. The process of aligning career objective forms with the transition plan will be discussed.

9:15 a.m. – 10:15 a.m.

BREAKOUT SESSIONS

Wild Rose A

Educational Partnerships are Vital to Pennsylvania

Dr. Kathleen Howley – Senior Associate Vice Chancellor for Academic and Student Affairs,
Pennsylvania State System of Higher Education

Dr. Ira Blake – Provost and Senior Vice President for Academic Affairs, Bloomsburg
University

Dr. Clyde Hornberger – Executive Director, Lehigh Career and Technical Institute

Mr. Donald Snyder – President, Lehigh Carbon Community College

Dr. Timothy Phillips – Department Chairperson, Instructional Technology, Bloomsburg
University

Learn how a Pennsylvania State System of Higher Education (PASSHE) University, a Pennsylvania Community College, and Career and Technical Institute is paving the way to address a recognized need in Pennsylvania! Prepare to engage in an interactive discussion with three visionary educational partners who collaborated to develop the 2+2+2 model for the first Bachelor of Applied Science (BAS) degree in the Commonwealth of Pennsylvania. Also, learn how to translate this model into partnerships with other Pennsylvania community colleges and career and technical schools so that students in your area will have an opportunity to advance in their careers.

Wild Rose B

Making the Transition to the Common Core

Dr. Alice Davis – Director, Susquehanna County Career and Technology Center

Dr. Daniel Perna – Owner and President, James Daniel & Associates, LLC

Ms. Susan Birtch – Cosmetology Instructor, Susquehanna County Career and Technology
Center

Ms. Kim Cosklo – Cosmetology Instructor, Susquehanna County Career and Technology
Center

Mr. Kevin Nolde – Automotive Technology Instructor, Susquehanna County Career and
Technology Center

Mr. Bruce Castelli – Carpentry Instructor, Susquehanna County Career and Technology
Center

Susquehanna Career and Technology Center has an established written curriculum that clearly identifies both technical and academic expectations for student performance. This curriculum is designed in a unit-based pattern that merges the Pennsylvania's technical Programs of Study with the Pennsylvania academic standards. Teachers and students can see how technical skills and academic skills are interrelated. Currently, the school is editing the documents so that the Common Core Standards become the focus of the academic performance. Using a web-based program, the model helps in alleviating teacher fears that everything is changing now that Core Standards are here. This model helps teachers see that they do not need to fear the Core Standards.

Magnolia A**SOAR Programs of Study Articulation Updates**

Mr. David Garnes – Career and Technical Education Advisor, Bureau of Career and Technical Education, Pennsylvania Department of Education

Ms. Tamalee Brassington – Division of Adult and Postsecondary CTE Manager, Bureau of Career and Technical Education, Pennsylvania Department of Education

This session will provide updates of the PDE/Bureau of Career and Technical Education's Students Occupationally and Academically Ready (SOAR) Programs of Study (POS) Initiative. Information on the resources to implement POS will be explained by utilizing the Pennsylvania Department of Education (PDE) website and sharing the newest information on SOAR statewide articulation opportunities with Perkins-allocated postsecondary institutions. Specific information concerning the SOAR Program of Study revision process and data reported on the Course Equivalency Management Center at www.collegetransfer.net will be shared in the current SOAR programs offered.

Magnolia B**The 21st Century CEO...Career Exploration Online**

Mr. Jamie Emery – Business and Computer Technology Instructor, Milton Area High School

Ms. Debra Bleistein – Business and Computer Technology Instructor, Milton Area High School

Two business and computer technology teachers will showcase how ninth grade students at Milton Area High School experience career exploration 21st century style. Two courses, Computer & Information Technology and Career Exploration Online, are offered in a blended format. This one-credit, semester-long course helps students develop 21st century skills while meeting common core standards relating to career development and technology. The course also provides an introduction to the students' graduation projects which involves career research as well as creating and delivering a presentation. Experiencing education in a virtual learning environment, with the advantage of having face-to-face contact with their teacher in this "blended" format, prepares students with the skills to become lifelong learners in whatever career path they pursue.

Magnolia C**Roundtable Discussion on Joint Operating Committee/Superintendent Relations**

Mr. Hans Meeder – President, Meeder Consulting Group, LLC

Ms. Jennifer Grams – Senior Consultant, Meeder Consulting Group, LLC

CTC directors have important roles to play in working with their Joint Operating Committees and in building strong partnerships with the superintendents of their sending school districts. The Meeder Consulting Group, working with the Bureau of Career and Technical Education, is creating a set of guidebooks focusing on building strong relationships with JOCs and superintendents. During this interactive session, participants will be asked to share their positive experiences, lessons learned and challenges with their colleagues and the consultants working on this project. Don't miss this opportunity to give your input and shape the direction of this effort.

Magnolia D**Pennsylvania Builders Association's Endorsed Construction Trades Program**

Mr. Thomas Turnbaugh – Endorsement Operations Director, Pennsylvania Builders Association

The Endorsed Construction Trades Program was developed by the Pennsylvania Builders Association (PBA), in collaboration with educators, local builders associations and other industry stakeholders, to give technical school graduates more credibility in the job market and provide local builders with a highly skilled workforce. PBA has the only program that offers comprehensive support for schools and develops relationships with students through the cooperation of local (county) builders association. By requiring that curricula meet industry standards, ensuring that facilities are adequate for proper hands-on training, assisting schools in the development of home builder student chapters, facilitating local internships, and providing a process to ensure that students can connect with builders, PBA's program accelerates the placement process for students to transition successfully into the workforce.

10:30 a.m. – 12:00 p.m.

CLOSING GENERAL SESSION**Red Room****Keynote Speaker**

Mr. William Symonds – Pathways to Prosperity Project Director, Harvard Graduate School of Education

Response Panel

TBD

TBD

TBD

Closing Remarks

Dr. Alice Davis

President

Pennsylvania Association of Career and Technical Administrators

**THE PENNSYLVANIA ASSOCIATION OF CAREER AND TECHNICAL ADMINISTRATORS
ACKNOWLEDGES AND THANKS THE FOLLOWING ORGANIZATIONS
FOR THEIR COOPERATION AND SUPPORT**

Association of Workforce Investment Board

Ben Franklin Technology Partners

Community Action Association of Pennsylvania

Pennsylvania Association of Career and Technical Education

Pennsylvania Association of Private School Administrators

Pennsylvania Commission for Community Colleges

Pennsylvania Department of Community and Economic Development

Pennsylvania Department of Education

Pennsylvania Department of Labor and Industry

Pennsylvania Nanomanufacturing Partnership

Pennsylvania Partners

Pennsylvania State System of Higher Education

Mark Your Calendar

2013 EDUCATION AND WORKFORCE DEVELOPMENT SYMPOSIUM

February 26 & 27, 2013

Hershey Lodge and Convention Center, Hershey

www.pacareertech.org

