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## TA3 Connections



TA3 Secretariats

**Danish Agency for  
International Education**



The [TA3 \(Trans-Atlantic Technology and Training Alliance\)](#) is a consortium of leading community and technical colleges in the U.S. and Europe that promotes learning and innovation across borders, supports regional economies, and promotes the value and importance of a global perspective.

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"If not for TA3, I would not have been able to learn the things I've learned or meet the people that have shaped me and my career."

~President of York Technical College, Greg Rutherford

### Past Events

#### **STEM, STEAM, and Dream: Educating an Imaginative and Skilled Workforce**

The TA3 held its 25th annual international symposium in June at Ivy Tech Community College in Indiana.



The theme of multidisciplinary learning and activities to enrich technical education—STEM, STEAM, and Dream: Educating an Imaginative and Skilled Workforce.



Innovation today depends on technological competence, but requires something more. Leading businesses are discovering the value of teaming engineers, line staff, marketing, and design on particularly vexing problems. Fatma Mili, Head of Department of Computer & Information at Purdue University, set the stage by [discussing the new Purdue Polytech](#) to develop and demonstrate a transdisciplinary mode of learning. Learners are immersed in various group environments with others from diverse fields.

Martha Eldredge Stark, Executive Director of NSERVE in Chicago, described in detail the value of [interdisciplinary learning and design thinking](#) to STEM skills and creativity to Chicago's schools. Jill Cush from SouthWest College in Northern Ireland provided the European Commission's policy perspective on [ways to use STEM to drive innovation](#) and how that is playing out in Northern Ireland.



John Winzeler, CEO of Winzeler Gear in Chicago and Keith Bird, Corporation for a Skilled Workforce and Chancellor Emeritus, Kentucky Community & Technical College System.

Kay Bokowy from General Electric Heath Care in Milwaukee described how art and design students from the Milwaukee Institute of Art and Design worked with GE engineers and technicians to help address health care issues in developing countries. John Winzeler, CEO of Winzeler Gear in Chicago led a spirited discussion of experiences and issues related to multidisciplinary learning that included Eric Brownlie from Glasgow Clyde College in Scotland, Craig Clark from Alfred State College in New York, and Angie Taylor from Gateway Community & Technical College in Kentucky.

Practitioners led afternoon panels on maker spaces and improving STEM skills among populations that are under-enrolled in conventional technical occupations. The Makerspace panel was led by moderator Doug Webster from Vermont, who has led the development of Makerspaces across the state, and included [Dean Sommerfeld from Fox Valley Technical College in Wisconsin](#), [Torkel Milling of Copenhagen Technical College in Denmark](#), and Greg Rutherford, York Technical College in South Carolina.



Torkel Milling, Copenhagen Technical College and Greg Rutherford, York Technical College.

The discussions of getting STEM to underserved populations was led by Darlene Miller of the National Council for Workforce Education (NCWE) and included [Jess Niebuhr from Minneapolis Community & Technical College](#), Margaret Semmer from Ivy Tech, and Carissa Schutzman from Gateway Community & Technical College.

### **Basque Conference on Vocational Education Draws from 45 countries**

TKNIKA's Jose Luis Fernandez Maure was one of the organizers of an [International Conference on Vocational Training](#) held in San Sebastian in the Basque Country, May 28–30, 2014. About 400 delegates from 45 countries across five continents met to analyze, discuss and share different experiences related to the changes and transformations occurring around the world and to search for new common goals and challenges for Vocational Training. The conference aims included establishing enduring modes for cooperation and forming a basis for collaboration to improve workforce preparation in the face of new and complex challenges brought about by advances in technologies and the globalization of markets, and examining vocational training as a way out of the crisis and achieving a more sustainable and fairer economy.

TA3 members Dr. Annette Parker and Marsha Danielson from South Central College participated on a panel representing the U.S.'s Advanced Manufacturing Partnership and touched on career pathways, competency

models, stackable credentials, and workplace education. Others offered innovations in delivery and access to attract young people, including "guaranteed" placements in appropriate fields upon completion of training. The "skills gap" message was consistent in all ten presentations, specifically in "middle-skill" jobs. Other speakers were officials of industrial programs Training in U.S. and in South Korea; managers of support projects from the Innovation Vocational Training centres in Canada, Australia, and Hong Kong; and managers of new advanced training centres in Finland. The delegates toured Usurbilgo Lanbide Eskola and Tknika Center for Innovation in Vocational Education where participants were able to see how Basque Country educators are making applied research a common platform for technical education and training.



Dr. Annette Parker at Usurbilgo Lanbide Eskola, a vocational school in the Basque Country of Spain.

## Upcoming Events

### Fall Policy Forum

Please hold the date for a Policy Forum in Washington, DC on December 3–4, 2014. The Policy Forum is a great opportunity to hear from key agencies, influencing policy around the issues important to members. We are also accepting requests for speakers from particular agencies to maximize value.

### TA3 Annual Symposium 2015 – Belfast, Northern Ireland

Planning is underway for the 2015 TA3 Symposium. The two possible date ranges are Sunday, June 7–10, 2015 or Sunday June 14–17, 2015. Stay tuned for more information soon!

## Member News

### Burke Murphy Joins CSW

Burke Murphy joins CSW as a Senior Policy Fellow this fall where she will be working closely with the TA3 network and is the Project Director for the RTI/US AID El Salvador project. This five year partnership between CSW/TA3, Rutgers, and RTI will contribute to improving and increasing faculty development, particularly in high demand fields, with the

goal of transforming the Higher Education Institutions of El Salvador.

Burke brings years of experience building effective collaborations across systems, with community and technical colleges, universities, state & local government, and the private sector. She has helped lead cluster-focused regional competitiveness projects in Minneapolis/Saint Paul, MN as well as Puebla, Mexico. This past December, Burke was inducted into the Hall of Fame at the Institute for Strategy and Competitiveness, Harvard Business School, for her outstanding contributions to the Microeconomics of Competitiveness (MOC) International Affiliate Network. As faculty, advisor and practitioner, she has been teaching the MOC course on clusters and economic competitiveness since 2006 at the University of Minnesota and at UPAEP and CETYS Universities in Mexico. She is dedicated to bringing relevant economic development theory, strategy, and methodology to the classroom, integrating education and workforce development as priority factors of economic competitiveness.



Burke Murphy

As a lifelong learner herself, Burke earned an Associate's degree in business at Becker College; a Bachelor's degree in a mid-career program at Smith College in Anthropology with a focus on education and immigrant populations; and a Masters of Public Affairs in Sustainable Community and Economic Development, focused on education reform, youth development, and civic engagement at the Humphrey School of Public Affairs, University of Minnesota.

### **CSW and TA3 kick off workforce development initiative in El Salvador**

The Corporation for a Skilled Workforce, under a subcontract with the Research Triangle Institute (RTI) based on a Memo of Understanding between the TA3 and RTI, began work under a contract from USAID to help El Salvador's Higher Education institutions work more effectively with industry partners and employers in selected industry clusters to ensure that students acquire the skills needed to succeed in the workplace



and that school curriculum is more closely tied to the needs of the local economy. Jeannine La Prad and Burke Murphy represented CSW and TA3 along with representatives from the lead contractor, RTI, Rutgers University (to help strengthen the university sector), and USAID met in San Salvador in late August to begin to frame the work plan. The team visited five of the top seven universities among the nation's 38, various industry association leaders, but no technical schools. TA3 members Alfred State, Gateway, and Howard will lead the TA3 participation, with expected participation from other members to help El Salvador develop the technical and vocational education sector needed to support industry growth.

Burke Murphy and Jeannine La Prad visit the Universidad Don Bosco (UDB) aerospace lab where they train students in engine maintenance.

### EUC Syd and Project Zero visit Oberlin, Ohio in April 2014

Division Chair Elisabeth Ibing Holm and Vice Principal Hans Lehmann from EUC-Syd visited Oberlin College and the Oberlin Project. They participated in a POWER Board Meeting, a local initiative to develop and secure sustainable homes; visited Trail Magic, the positive energy home of Carl & Mary McDaniel; toured the Adam Joseph Lewis Center at the Oberlin College; participated in an Oberlin Business Partner meeting; and made a presentation at the meeting on cooperation between [Project Zero](#) and [EUC Syd](#). The tour also included Paul Allen, Rebecca Sullivan, and Joanna Wright from The Center for Alternative Technology (CAT) in Wales, UK. Paul is CAT's Media and Communications Officer, was founding director of EcoDyfi, and leads the ground-breaking [Zero Carbon Britain](#) research program.

#### THE EXTRAORDINARY STORY OF HUMAN BEINGS, ENERGY & GREEN URBAN TRANSITION



Paul Allen is Centre for Alternative Technology (CAT) External Relations Officer. Allen will share how the Zero Carbon Britain project is linking up smart approaches to food production, diet, buildings, transport, energy and land use to reduce emissions fast enough to prevent serious climate change. To find out more visit: [www.zerocarbonbritain.com](http://www.zerocarbonbritain.com).

Hans Lehmann is Division Chair at EUC Syd. The institution is a partner in Project ZERO, which *participates in the same of the Clinton Climate Initiative Climate Positive Development Program along with Oberlin*. He will share information about Sonderborg's (Denmark) progress toward a sustainable society, and how education can be seen as a driver for change.



**Tuesday, April 1; 7:15 pm  
Kendal at Oberlin  
Heiser Auditorium**

[WWW.OBERLINPROJECT.ORG](http://WWW.OBERLINPROJECT.ORG)

RETHINKING THE FUTURE IN THE EXTRAORDINARY STORY OF HUMAN BEINGS

THE PROCESS TOWARD A SUSTAINABLE FUTURE

ZERO CARBON BRITAIN PROJECT

DENMARK'S PROJECT ZERO



For more information contact:

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The teams discussed ways to develop and secure a more sustainable future and roles for education and learning as drivers in the process. They attended the Oberlin Business Partner meeting where the Oberlin Project and city were awarded a diploma as one of 18 Clinton Foundation [Climate Positive Development Program](#) cities—among only three in the U.S.—committed to reducing greenhouse gas

emissions below zero. The city is on target to reduce its emissions by 50% of 2007 levels by 2015, with 90% of its electricity from renewable sources. Sean Hayes of Oberlin College demonstrated the Oberlin Project dashboard. During the visit, partners agreed to organize a webinar in September 2014 and then meet in Sønderborg in the spring of 2015 to develop the partnership and ways to cooperate to secure a more sustainable future. These include platforms for learning from each other; taking the partnership into a virtual level, including a possible ZERO Carbon Academy; establishing a sister city agreement between the cities including exchanges of staff and students; and sharing learning programs.

### **EUC Syd visits South Regional College in Northern Ireland**

The South Regional College in Northern Ireland organized and hosted a visit from a Danish TA3 member EUC–Syd in March 2014. Principal Finn Karlsen, Vice Principal Bente Lyck–Damgaard, and Vice Principal Hans Lehmann represented EUC–Syd. The program, organized by Michael Gould, Assistant Director of the Skills and Industry Division, and his staff, included a visit to the Newry West Campus where they discussed employer engagement, European and international engagement, financial challenges, and staffing challenges and to the GreenTEC, a new Centre of Excellence for the Construction Industry on the Greenbank campus. While at the Greenbank campus, they met with staff, toured the facilities, and discussed potential partnerships.



Left to right: Finn Karlsen, Bente Lyck–Damgaard, EUC–Syd, Dr. Stephen Farry, Minister of Employment and Learning, and Hans Lehmann, EUC–Syd.

The EUC–Syd visitors also met informally with the Minister, Dr. Stephen Farry and his Special Adviser, Christine Robinson at Stormont Buildings, followed by a guided tour of the Parliament Buildings. They then attended a meeting with the Skills and Industry Division and Departmental officials to discuss a New Further Education strategy, review youth training, and review apprenticeships. The delegation had lunch at IFEX, Northern Ireland's premier showcase for the latest food & drink products, catering equipment, interiors, technology, and services to the food, retail, and hospitality industries. The trip included a visit to one of the college campuses located in the area with the historical conflict, where they

discussed education as a means of securing development and prosperity. The EUC–Syd delegation expressed gratitude to Michael Gould, John Quinn, and all of its hosts in Northern Ireland for organizing such a useful, interesting, and enjoyable visit. The delegation looks forward to returning in June for the next TA3 meeting.

### **Gateway Students Win 8 ADDY Awards at American Advertising Federation Cincinnati Competition**

Four students won a combined eight [ADDY Awards](#) in a competition conducted by the Cincinnati chapter of the American Advertising Federation: four were Gold ADDYs, for product packaging, personal stationery and a personal logo, and book cover design. The other four were Silver ADDYs, for book illustrations and logos. All four students are Visual Communication majors. "We're very proud of our students," Division Chair Toni Bloom said. "The AAF Cincinnati ADDY awards are the first leg of the national competition. The work of all eight students will move forward to the district competition."

### **Alfred State Rebuilding in New Orleans**

The building trades program at Alfred State College in New York includes a "Semester in the South," a 12 week project-based learning/civic engagement experience. A group of 14 students spent six weeks building homes for Habitat for Humanity in Biloxi, Mississippi before going to New Orleans to rebuild the 1846 historic Marsaudet–Dodwell House, which had been badly damaged by Katrina. The work on the latter, estimated by the site supervisor to be worth well over \$250,000, was recognized by the New Orleans City Council.

### **Gateway Community and Technical College and Northern Kentucky University announces Reverse Transfer Program**

[The program](#) will offer students the option of obtaining an associate's degree even after transferring from Gateway to NKU. According to Gateway President/CEO Ed Hughes, "our new reverse transfer program will properly reward those students who are making progress toward their bachelor's degree at NKU. This is a great way to recognize the work they do at Gateway while also encouraging students to complete a bachelor's degree." It also recognizes the degree completion for the community college, which receives no "credit" for the degree through current measures tracking completions. The program targets students who earn at least 20 credit hours from Gateway before transferring to NKU and go on to earn a minimum of 90 total credit hours, with at least 15 at NKU.

### **Ivy Tech Community College Is Among Winners of Grants for Career Training**



Ivy Tech Community College, in Indiana, is among the 24 winners that will split \$107 million in grant money as part of an effort to help high-school students work toward college degrees and earn industry credentials in high-demand fields such as technology and health care, the White House [announced](#) on Monday. President Obama introduced plans for the grant program, known as [Youth CareerConnect](#), last fall. The two dozen winners also include school districts and nonprofit groups. President Obama spoke about the grant program at a Maryland high school on Monday.

### Members & Friends in the News

**TA3 member Dr. Marie Foster Gnage** has left her position at West Virginia University at Parkersburg to become the new president for the Downtown Campus at Florida State College at Jacksonville. In June, Dr. Gnage, WVU Parkersburg's first female and first African-American president and second-longest serving president, was named president emeritus. In 2012, she was elected to serve as Board Chair for the American Association of Community Colleges, the first community college president from West Virginia to serve and be elected to this national organization. During her time at the college, she expanded the main campus with additions of the Applied Technology Center and the Center for Early Learning and added the Downtown Center location in Parkersburg; increased the number of bachelor degree programs offered from two to 12; and reached record enrollment numbers, becoming one of the state's largest institutions of higher education.



Dr. Marie Foster  
Gnage

**TA3 member Dr. Anne McNutt** announced her retirement as President of Beville State Community College in Alabama, a position she has held since January 2009. Among her many accomplishments, Dr. McNutt streamlined the college's organizational structure and stabilized the college budget while preserving the integrity of instructional programs and student services. Accomplishments during her tenure included, among others: receiving approximately \$5 million in competitive grant monies in the last year; securing Southern Association of Colleges and Schools Commission on Colleges reaffirmation for the college; increasing opportunities to college employees for professional development; enhancing the focus on student success as part of the Achieving the Dream program; increasing opportunities for dual enrollment; and creating the college's first Diversity Committee to promote conversation, exchange, and an increased

awareness of diversity issues affecting the college. "My professional life has been spent in education and I am very gratified that Bevill State has been a part of it. I am proud of all that I have been able to accomplish for the college's students, employees, and communities. I am especially proud of the student successes, which have gained a regional and national reputation since I came here."

**Marc Tucker**, President and CEO of the National Center on Education and the Economy (NCEE), long-time friend of the TA3 and speaker at past meetings, received the 2014 James Bryant Conant Award from the Education Commission of the States (ECS). Congratulations Marc, on being awarded one of the most prestigious honors in education. The award, made by ECS Chairman Governor Sandoval of Nevada, was for Marc's long time leadership in and influence on education dating back to the 1970s. He has long championed learning from other places and has had particularly close connections to Denmark and Roland Østerlund. Marc also has a new report out at NCEE, "Fixing Our National Accountability System," his views on and prescription for educational accountability and testing in America.

**Regional Technology Strategies, Inc.**, the past Secretariat of TA3, has received a new grant from and is entering into a partnership with Farm Credit to update and expand its database on courses and programs in sustainable food systems at community colleges, [GrowGreenEd.com](http://GrowGreenEd.com). Developed initially with support from the Appalachian Regional Commission and Ford Foundation by the Alliance for Sustainability, a subsidiary of TA3. The Farm Credit System is a nationwide network of borrower-owned lending institutions and specialized service organizations established by the U.S. Congress in 1916 to provide a reliable source of credit for the nation's farmers and ranchers.

### Research and Articles

McKinsey & Company's Center for Government has just released [Education to Employment: Getting Europe's Youth to Work](#). The 118 page report, which is based on surveys of 5,300 young people, 2,600 employers, and 700 education providers, plus relevant statistics in eight EU countries, provides a detailed description of issues and problems related to Europe's current economic problems and some possible solutions. The recommendations provide few surprises; most have been suggested before, like developing or strengthening "integrators" for systems, employment services, and skills—some new forms of intermediaries—and more collaboration regionally and across sectors or clusters. They suggest

increasing opportunities for workplace education, largely paid for by employers; education tailored to the individual; collaboration among SMEs; and transferable qualifications. Even if very few of their suggestions are new, this is a very comprehensive look at what's happening in Europe and includes many best practices, including AMTEC (conceived at a TA3 meeting) as an example of sector collaboration.

[Developing Apprenticeships](#), is a new report from CEDEFOP, the European Centre for the Development of Vocational Training, which is under the European Commission. Located in Greece, since 1995 it has worked to strengthen European cooperation and provide the evidence on which to base European Vocational Education and Training policy.

### **Member Profile: Patricia A Hannaford Regional Technical School District in Vermont USA**

#### **Patricia A Hannaford Career Center**

The Center is located in Middlebury, Vermont and serves the workforce and career and technical education needs of Addison County. The Center owns and operates two campuses in Middlebury. One campus houses our automotive and diesel programs, as well as our sustainable campus farm. The main campus is home to programs in art, business and service, and STEM. The Center offers over 50 dual enrollment credits in a variety of career pathways, as well as offering industry recognized credentials. In addition, the Center offers a wide variety of career pathways training via Adult Technical Education, as well as business specific training for various workforce development needs of our community. The Center has been recognized for its efforts in integrating science, mathematics, and language arts into career and technical education, as well as for our efforts in working to promote gender equity in STEM education.

Our agriculture program is the largest of its kind in the state and is the only program that offers both high school and post – secondary programs at the same location.

#### **Programs**

The high school programs are all aligned to one of four academies. Those academies are: Agriculture, Art and Humanities, Business and



Services, and Science, Technology, Engineering, and Math (STEM). We have developed a 9–14 curriculum model that establishes pathways to post-secondary studies as diverse as Diesel Technology and Culinary Arts. We also offer a wide range of programs of study in sustainable agriculture, forestry and natural resources management, design and illustration, performance and technical theater, human services, medical professions, engineering, manufacturing, architecture, and green building.

Our adult technical Education division offers a broad variety of workforce development programs. These programs are aligned with the industries in Central Vermont and include basic to advanced job specific training. The newest program in this division is Meat and Poultry Processing. This program was



developed to answer a statewide industry need and is presently one of two approved meat cutting apprenticeship programs in the United States.

### **Connections**

The Center has developed connections with Vermont Technical College, Community College of Vermont, and Burlington College to offer dual enrollment credit. We are members of the Vermont Farm to Plate Network, the Vermont Agriculture and Forest Product Development Board, the University of Vermont Extended Studies Program, and a new member of the Transatlantic Alliance.

### **Business Support**

The center enjoys outstanding working relationships with businesses in our community as well as statewide. We are supported by business organizations such as the Addison County Chamber of Commerce, Addison County Economic Development Corporation, the Addison County Regional Development



Corporation, and Porter Medical Center. On the state level, we have healthy working relationships with the Vermont Working Lands Enterprise Initiative, Middlebury College Food Works Program, and Vermont Works for Women.

We have many private businesses that we work closely with to provide individualized workforce development programs as well as use their space and product to teach courses.

## TA3 Secretariat

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