Agenda

CTE Innovation Summit

The Summit is a national event to explore the techniques, tools and approaches to teaching CTE in a changing world of work. As the workplace evolves to incorporate new technologies and changes the way in which people interact with them, so does the need to educate our learners to be successful in this new world of work.

Wednesday, April 1, 2020

7:00 a.m. – 8:00 a.m.  Breakfast

8:00 a.m. – 8:10 a.m.  Why We Are Here and Where CTE Is Going
In 2016, ACTE’s Board of Directors adopted a 3-year strategic plan focusing on five core activities. Fostering Innovation in CTE is not just a priority, but fundamental for CTE to thrive in a world where artificial intelligence, automation and other new technological advances are changing the workforce, and as a result, the way we teach learners for a new world of work.
Speaker: Nancy Trivette, ACTE President

8:10 – 8:45 a.m.  Setting the Stage – The Looming Revolution in the Workforce
The world of work is rapidly changing and the future state is being addressed now. While this is not new news the data around this topic might be for you. During this session you will hear from a data-driven futurist who will share the skills of the future and the impact it is having on the current workforce.
Speaker: Dr. Joyce Smith, Director Strategic Initiatives in Workforce and Human Development at Education Development Center

8:50 – 9:20 a.m.  Preparing for the Digital Work Economy
Charting how the innovative technologies of today will transform not only the way business is done but society itself is the theme of Ninja Future, the latest book from the CTA President. The author will share how being prepared to succeed in today’s turbulent environment means adopting the mindset of “ninjas”—adapting to technological change to capitalize on opportunities at lightning speed.
Speaker: Gary Shapiro, President, Consumer Technology Association

9:25 – 10:00 a.m.  National Policies That Influence Innovation in CTE
Addressing the changing nature of work in companies across the country must include what will happen over the next 3-5 years in small and mid-sized businesses. Congress is particularly interested in ensuring that the Federal government supports the state of readiness of employers to ensure that they survive and thrive in the new reality of work.
Speaker: Cierra Mitchell, Division Director, Office of Apprenticeship, U.S. Department of Labor

10:00 – 10:15 a.m.  Break
10:15 – 11:15 a.m. **Concurrent Sessions – Innovative Practices From the Field**

- **Innovation in Agricultural Education** – Carl Aakre, CASE
- **Innovation in Information Technology** – Amy Kardel, CompTIA
- **Innovation in Digital Marketing** – Ellie Hoban, Facebook
- **Innovation in Advanced Manufacturing** – David Linger, CEO TechSolve, Jon Graft, CEO Butler Tech

11:15 – 12:15 p.m. **Innovative Teaching in Career and Technical Education**

A focus on where automation, artificial intelligence and other innovations will impact the skill needs of business and industry and what changes in CTE may need to be adapted to support career readiness for the workplace of the future. Hear from this panel of industry representatives about new technologies that will impact the way CTE programs are taught.

- **Automation** – (Invited) Scott Anderson, director of Amazon Robotics Fulfillment
- **Manipulables** – Timm Boetcher, President & CEO, Reality Works
- **Artificial Intelligence** –

12:15 – 1:15 p.m. **Lunch / Keynote Speaker**

The way in which we teach will be enhanced as new tech tools emerge that better simulate and replicate a variety of workplace environments. Hear from a leading developer of such tools, ZSpace, and see an early glimpse of the innovative solutions they are developing today for the classroom of tomorrow.

Speaker: Michael Carbenia, Executive Director for CTE, ZSpace

1:30 - 2:30 p.m. **Concurrent Sessions: Innovative Practices from the Field**

- **Rural CTE Innovation** – Frank Reed - Director & PI, Rural Iowa Photonics Education
- **CTE Research on Innovative Programs in CTE** – Kathy Hughes, AIR
- **New Skills for Youth Innovation** – (Invited), Advance CTE
- **Digital Literacy and Code Fluency** – Jennifer Vaden Barth, Program Manager, Google

2:30 – 3:30 p.m. **How Can Your CTE Programs Be Prepared – Panel Discussion**

Hear from industry leaders what they suggest needs to happen in CTE programs in order to meet the challenges brought about by the changing workplace.

- Tess Henthorne, Brittney Davidson – The Aspen Institute
- Jeffrey Brown, Manager, Future of Work & Artificial Intelligence, Bertlesmann Foundation
- Anthony Salcito, Global Education Director, Microsoft

3:30 – 4:30 p.m. **Wrap-up and Closing Session**

We will review the day’s activities and highlights of the discussion and review remarks and questions shared on the digital comment board. We’ll wrap up the day with a look at technology ecosystems and economic development and on digital trends, automation, advanced industries, and regional development issues.

Our nationally recognized speaker will discuss the “digitalization of everything” as it affects efforts to construct an “advanced economy that works for all.”

Speaker (Invited): Mark Muro, Brookings Institution.