



We are proud to announce our STEM Summit IV Agenda



## SCHEDULE OF EVENTS

STEM Summit IV is Presented by:





Time	Day 1 - Oct 27, 2020
8:30 - 9:00	Kick-off Day 1
9:00 - 9:30	Matthew Choy, FL Chamber of Commerce, How Business Can Grow FL to 10th largest in world
9:30 - 10:00	Henry Mack, FLDOE Future Career&Tech-Ed in FL
10:00 - 11:30	Peter R. Classen * Emma Laurin, Florida Next Decade Futurist forecast for Mfg, Healthcare&LifeSci, Logistic&Distr, Financ&ProfSvc 10 minute break included
11:30 - 12:15	Lunch
12:15 - 12:45	Sean Gallagan, Aviation Workforce Skills Gaps in Aerospace/Aviation
12:45 - 1:15	Dale Ketcham, Space Florida Talent to lead into Space
1:15 - 1:45	Adelle Ratcliff, Dod Closing Defense Industrial Skills Gaps: A National Imperative
1:45 - 2:15	Marc Hoenstine, FEDC, Topic Coming Soon
2:15 - 3:15	Ted Norman, FLDOE Apprent. Registered Apprenticeship
3:15 - 4:00	Stuart Rogel/ Kumaravel/Rosato/Yoder/Manero Next Gen Success Stories
4:00 - 4:30	Roy Sweatman, SMT Filling the Talent Pipeline
4:30 - 4:45	Wrap-up Day 1





**Tuesday, October 27**

Tues. 10/27  
8:30 – 9:00am

**STEM Summit IV – Kick-off and Participant Voting**

Tues. 10/27  
9:00 - 9:30am

**How the Business Community Can Help to Grow Florida into the 10th Largest Economy in the World**

By Matthew K. Choy  
Director of Talent, Education and Quality of Life Policy at the Florida Chamber of Commerce

Florida is the 3rd largest state by population and the 17th largest economy in the world. Long recognized as a place to live and visit, Florida increasingly is ranked highly as a place to learn, work, and do business. Florida boasts a large and diverse workforce, global connections, and leadership in industries as varied as agriculture, aerospace, and life sciences.

Going forward, we must plan effectively for our next 5 million residents by addressing needs for additional jobs, housing, transportation, water, energy, and other services. In particular, we must continue to ensure future growth occurs in a way that builds on our quality of life and creates a path to prosperity for all of Florida’s communities.

Tues. 10/27  
9:30 – 10:00am

**Future of Career and Technical Education in Florida**

By Henry Mack  
Chancellor, Florida Department of Education

Overview of the current state of career and technical education (CTE) in Florida. Discussion of the state of Florida’s workforce and economic development priorities and the future of STEM in CTE. I will also include a brief discussion of key legislative ideas and policy recommendations around a new effort defining Florida’s credentials of value.



Tues. 10/27  
10:00 – 11:30am

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*at 10:45am  
there will be a  
10-minute  
break*

**The Competencies, Skills, and Mindsets needed to Survive and Thrive in Florida’s STEM Eco-system for the Next Decade**

By Peter R. Classen  
Representing Grahampton & Co, Washington D.C.  
By Emma Laurin  
CEO and founder at Visionalley, Valencia, Spain

An informed look at the mega-trends driving Florida’s top economic segments as seen from a Futurist’s perspective, and a discussion of the implications for workforce competency & skills development. Working with lecturers from Imperial College London, Cardinal Herrera University, Spain and the President’s Information Fellows, Washington DC, Mr. Classen is presenting a futurist’s forecast for Manufacturing, Healthcare & Life Sciences, Logistics & Distribution, and Finance & Professional Services. These forecasts make clear, what trends are accelerating, decelerating and emerging in our new economic and social reality. He will explore commonalities across these four industries: where they align and where they diverge on their respective pathways to growth and success. He hopes to moves us towards action by deep diving into the competencies, skills, and mindsets needed to not to only survive but thrive for the next decade in the STEM space.

Tues. 10/27  
11:30am –  
12:15pm

**Lunch break**

Tues. 10/27  
12:15 - 12:45pm

**Filling the Skills Gap in the Aerospace/Aviation Workplace**

By Sean Gallagan, Ph.D.  
President, Consultant, Educator, Aviation Workforce Solutions, Inc.

Dr. Gallagan will discuss the current state of the technical aerospace/aviation workforce as well as projections of what the future holds. Discussion will also include on how training is changing and what future training and training programs will look like.



Tues. 10/27  
12:45 - 1:15pm

**Talent to lead into Space**

By Dale Ketcham  
VP Government & External Relations of Space Florida

After Shuttle retirement Florida was trying to find commercial space work for a skilled workforce. Now, we're scrambling to find the skilled workforce for all the commercial space work.

Tues. 10/27  
1:15 - 1:45pm

**Closing Defense Industrial Skills Gaps: A National Imperative**

By Ms. Adele Ratcliff  
Director, Industrial Base Analysis & Sustainment of United States Department of Defense

Presentation will focus on the Office of the Secretary of Defense (OSD) Industrial Policy Office's initiative to help catalyze public-private efforts to close gaps in defense-essential industrial skills needed to produce and sustain Department of Defense (DoD) systems by promoting manufacturing careers and by increasing the scale and velocity of workforce education and training pipelines.

Tues. 10/27  
1:45 - 2:15pm

**Topic Under Construction**

By Marc Hoenstine  
Florida Economic Development Council



Tues. 10/27  
2:15 - 3:15pm

### **Apprenticeship 101**

By Richard "Ted" Norman III, Ed.S.  
State Director of Apprenticeship, Division of Career and Adult Education,  
Florida Department of Education

The basics of what Registered Apprenticeship in Florida is and how it can be integrated as a viable education and workforce solution. Topics will range from understanding the national system of apprenticeship, common terms, value of registered apprenticeship for both individual apprentices and employers, various on-the-job training models, and basic funding sources. Attendees will gain a better understanding of Registered Apprenticeship.

Tues. 10/27  
3:15 - 4:00pm

### **Next Gen Success Stories**

Panel Lead Stuart Rogel  
President of Graylan Ventures, LLC  
Tarun Kumaravel  
Mechatronics Apprentice at OneWeb Satellites and  
Mechatronics engineering student at Eastern Florida State College  
Dan Rosato  
Undergraduate research assistant in the Propulsion and Energy Research Lab  
at the University of Central Florida, and Aerospace Engineering Ph.D. student  
Michelle Yoder  
Industrial Engineer at Collins Aerospace, completing her masters  
in mechanical engineering from University of Central Florida  
Albert Manero  
President of Limbitless Solutions

STEM was introduced in 2001 by the U.S. National Science Foundation (NSF). What have we learned from the first formally STEM-educated generation? Join Stuart Rogel, a leading entrepreneur and economist with 30 years of experience building paths to prosperity for fortune 500 companies. Stuart will lead a panel of inspiring STEM-centric next generation successes. You'll be impressed by STEM education avenues done exceptionally well, and you'll learn how passionate technology looks to the newest generation.



Tues. 10/27  
4:00 - 4:30pm

**Filling the Talent Pipeline**

By Roy Sweatman  
President, Southern Manufacturing Technologies, Inc.

Southern Manufacturing Technologies, Inc. (SMT) began in 1983 as a machine shop with 5 employees. Today SMT has grown to over 90 employees and generates over \$13 million in sales. Specializing in precision machined components and assemblies primarily for the aircraft, aerospace, defense industries requires highly skilled talent. SMT has fostered some innovative ways to expose more students to manufacturing and to fill the highly skilled talent pipeline. Roy talks about his tours, tips, internships, and mentorships.

Tues. 10/27  
4:30-4:45pm

**STEM Summit IV – Wrap Up for Day 1**

**AGENDA**

**DAY 2**



Time	Day 2 - Oct 28, 2020 - Track 1	Day 2 - Oct 28, 2020 - Track 2	Day 2 - Oct 28, 2020 - Track 3
8:30 - 9:00	Kick-off Day 2		
9:00 - 9:30	MITRE Topic Coming Soon		
9:30 - 10:15	Jamal Sowell, Enterprise FL, Diversification		
10:15 - 10:45	Marshall Criser III Chancellor of FL Universities Topic Coming Soon		
10:45 - 11:15	Mike Nager – FESTO Bringing Industry 4.0 to the Classroom / Mfg Reshoring		
11:15 - 11:45	Kevin Carr, FL Makes CEO, Tech Defining Mfg Competitiveness		
11:45 - 12:30	Lunch		
12:30 - 12:45	Kick-off Track 1	Kick-off Track 2	Kick-off Track 3
12:45 - 1:45	Kevin Lothridge, FIU LaPorte/ Houck/ Chemicoff Forensics Panel: Moving Forensic Science Forward	Curtis Carlson 12:45 - 1:30 Mastering Value Creation	Tom Mudano, AmSkills Creative Recruitment Strategies - AmSkills Mobile Workshop & Virtual Reality
		Robert Mino 1:30 - 1:45 Investments in Life Sciences	
1:45 - 2:15	Josh Cramer, NCDMM, America Makes: Building additive manufacturing "K-Grey" career pathways	Roto Reuter, R-Squared Completing-the-Square of a STEM Education	Dehryl McCall, CareerSource FL Talent, Florida's Key to Recovery and Prosperity
2:15 - 2:45	Tracy Albers, Rapid Prototype, Next Gen Additiv Mfg	John Krug, Niagara Bottling - STEM and the Beverage Industry - A Perfect Mix	Art Hoelke, Knight's (KAC) One size can't fit all - Apprenticeships
2:45 - 3:15	Mitch Mitchell Eglin AFB STEM Outreach We Need STEM Outreach, What We Get Wrong, How We Fix It	Charlie Camarda NASA Astronaut Topic Coming Soon	Greg Jones – Smartforce Impact of Transformational Technologies on Mfg. Skills Gap
3:15 - 3:45	Ed Degnan Air Force LVC Future Need for an M&S Workforce	Sunita Williams, NASA Astronaut, Topic Coming Soon	Tolga Cengiz & Ron Bergh Kelly Engr Students and Aerospace Benefit from Digital Transformation
3:45 - 4:15	Dr. Karen Molek, UWF Success Story in Retention and Graduation of STEM Students	Mabry Gaboardi Calhoun Collaborating to Increase Persistence in STEM: Mentoring Young Women	Christina Heard, Sofwerx Solving Warfighter problems
4:15 - 4:45	Mike Kepner, Valencia Accelerated Skills Training – A Pathway to Career Success	Jon Dudas, Sr VP of UA, No Matter What Career You Choose	Tonya Elmore - TB Innov Ctr, Startups: The Engine of Innovation





Wednesday, October 28

Wed. 10/28  
8:30 – 9:00am

**STEM Summit IV – Kick-off and Participant Voting**

Wed. 10/28  
9:00 – 9:30am

**Topic Under Construction**

By MITRE

Wed. 10/28  
9:30 - 10:15am

**Diversification: Challenges & Opportunities for Florida’s Economy**

By Jamal Sowell  
President & CEO of Enterprise Florida, Inc., Florida Secretary of Commerce

Topic Under Construction

Wed. 10/28  
10:15 - 10:45am

**Topic Under Construction**

By Marshall Criser III  
Chancellor of the State University System of Florida



Wed. 10/28  
10:45 - 11:15am

### **Bringing Industry 4.0 to the Classroom: Not as Hard as You Think!**

By Mike Nager  
Business Development Mgr., FESTO Solutions Center

The COVID-19 pandemic is accelerating a trend that has slowly been gaining momentum over the last decade: the reshoring of American Manufacturing. With break-downs in the manufacturing supply chain readily visible and felt by the public, the shortages ranging from critical medical equipment to mundane paper towels, the country has experienced a wake-up call. Manufacturing coming back to the US is a great thing, but the education system will need to provide the talent to sustain it. This presentation will address what Smart Manufacturing, the kind coming to the US, is and how students can start their learning journey in high school. Equipment, certifications, and curriculum sets have been developed to meet this need.

Wed. 10/28  
11:15 - 11:45am

### **The Role of Technology in Defining Manufacturing Competitiveness**

By Kevin Carr  
CEO, FloridaMakes

Provide an overview of the role of technology, including the need for the requisite skills, in defining the competitiveness of Florida's manufacturing economy, the resilience of our state's economy, and as a pathway to prosperity for our citizens.

Wed. 10/28  
11:30am –  
12:15pm

**Lunch break**



Wed. 10/28  
12:45 - 1:45pm  
Zoom Track 1

### Moving Forensic Science Forward

Moderator: Kevin Lothridge

Executive Director, National Forensic Science Technology Center (NFSTC),  
Florida International University

Gerald M. LaPorte

Director of Research Innovation, Global Forensic and Justice Center

Max M. Houck, Ph.D., FRSC

Forensic Portfolio Innovator, Global Forensic and Justice Center

Michelle Chernicoff

Senior Communication Specialist, Global Forensic and Justice Center &  
National Forensic Science Technology Center (NFSTC),  
Florida International University

Join the Global Forensic and Justice Center for a panel discussion on the unique diversity of forensic science – both in the people who pursue the career field and the varied positions they take. The panel will also address how the industry can adapt – including in science communication efforts – to continue to unite the sciences for justice.

Wed. 10/28  
12:45 - 1:30pm  
Zoom Track 2

### Mastering value creation for a lifetime of significance and meaning

By Curtis Carlson, Ph.D.

Distinguished Executive in Residence for Worcester Polytechnic Institute;  
Former President and CEO of SRI International

The job of every professional is the creation and delivery of value to their customers. Value creation is an essential, lifelong skill that can be learned, mastered, and shared. Dr. Curt Carlson is a prominent technologist and pioneer in developing and using innovation best practices. Curt talks about his Value-Creation methodology, transforming the way we innovate. He will outline essential teamwork skills to leverage diversity, build engagement and motivation, generate trust, and create compelling outcomes. Build human value and continuously create innovation.



Wed. 10/28  
12:45 - 1:45pm  
Zoom Track 3

### **Creative Recruitment Strategies Utilizing AmSkills Mobile Workshop & Virtual Reality**

By Thomas A. Mudano  
Executive Director of AmSkills, Inc.

We must get creative in order to recruit into the trade industries. A recent survey of high school seniors indicated that only 5.3% considered going to a vocational/technical college. This presentation will highlight the AmSkills Career Discovery Bootcamp program which brings job training to multiple locations utilizing the AmSkills Mobile Workshop, which travels and setups up a temporary training center within neighborhood centers and manufacturers. AmSkills recruits, assesses, and trains entry-level and apprentice candidates for manufacturers identified within a 10-15-mile radius of the Bootcamp. This reduces transportation problems and helps residents to secure jobs close to where they live. The program replicates a real-work environment, with up to 80% hands-on training and assessments to prepare candidates for real-world jobs, consisting of a 1-day workshop, followed by a 2-week Bootcamp. Completion guarantees a job interviews with multiple local manufacturers. Virtual Reality training is incorporated allowing the candidate to experience different jobs in a safe environment. Come learn how this program, which is gaining national attention, is helping our youth, veterans, women, low-income and those destined for college launch their careers in the manufacturing and other industries.

Wed. 10/28  
1:30 - 2:00pm  
Zoom Track 2

### **Why Investments in Life Sciences Innovation Is Important for Florida**

By Robert P. Mino, JD, MBA, MS  
VP of Life Science for the Business Dev't Board of Palm Beach County

Life Sciences companies, including pharmaceuticals, medical devices, biotech, environmental sciences, and many others will continue to be growth industries in the foreseeable future. Florida is a solid competitor for the Life Sciences Industry, but needs to focus additional resources to support early-stage companies in our state. Early-stage companies provide unmatched educational opportunities and, when successful, create large numbers of high-paying STEM jobs in their community.



Wed. 10/28  
1:45 - 2:15pm  
Zoom Track 1

**America Makes, leveraging your collaborative partner to build additive manufacturing “K-Grey” career pathways**

By Josh Cramer

Director of Education and Workforce Development – America Makes/NCDMM

America Makes is the nation’s leading and collaborative partner in AM and 3DP technology research, discovery, creation, and innovation. Structured as a public-private partnership with member organizations from industry, academia, government, non-government agencies, and workforce and economic development resources, we are working together to innovate and accelerate AM and 3DP to increase our nation’s global manufacturing competitiveness. America Makes is the flagship institute of the Manufacturing USA network established in 2012, and now comprised of 14 institutes across the nation. Josh will share ways to collaborate and engage with America Makes. As a national innovation institute we have executed over 116 education and workforce development projects since our inception and impact over 8000 students, professionals and warfighters each year through educational programs and training. It is our mission to help bring our best practices, expertise, and resources/assets to your local community through partnership to build talent in our manufacturing pipeline for today and tomorrow.

Wed. 10/28  
1:45 - 2:15pm  
Zoom Track 2

**Completing-the-Square of a STEM Education – The Rest of the Story**

By Captain Bill “Roto” Reuter

President and Founder of R-Squared Solutions, LLC

Topic Under Construction



Wed. 10/28  
1:45 - 2:15pm  
Zoom Track 3

### **Talent, Florida's Key to Recovery and Prosperity**

By Dehryl R. McCall Jr.  
Senior Director, Business & Workforce Development of CareerSource Florida

This presentation will provide an overview of the CareerSource Florida network, made up of 24 local workforce development boards, as well as CareerSource Florida's initiatives and valuable resources to help supply businesses with the talent needed for recovery and prosperity during and post COVID-19 pandemic. You will learn about CareerSource Florida's partnerships and services provided to both employers and job seekers through special initiatives like Sector Strategies, Apprentice Florida and FloridaFlex training grants to name a few. Whether businesses need help recruiting specialized talent, hiring new team members, training existing employees, or all the above, CareerSource Florida can help. CareerSource Florida's team of business and economic development professionals offer expertise, funding and resources – including labor market data – to help Florida's businesses succeed.

Wed. 10/28  
2:15 - 2:45pm  
Zoom Track 1

### **The Next Generation of Additive Manufacturing**

By Tracy L Albers, Ph.D.  
President and CTO of Rapid Prototype and Manufacturing LLC

The speaker will cover the basics of 3d printing and how this technology is changing the way the world makes things, including a vision as to "what's next"!



Wed. 10/28  
2:15 - 2:45pm  
Zoom Track 2

### **STEM and the Beverage Industry – A Perfect Mix**

By John F. Krug  
Economic Development Manager of Niagara Bottling

The beverage industry has never been more dynamic and technologically focused than it is today. The world's most successful beverage producers have implemented cutting-edge management sciences and advanced manufacturing technologies to meet consumer demands for delicious, safe, convenient and affordable products. Accelerated trends in health awareness and sustainability are fueling the beverage industry's most exciting innovations. This presentation offers a rare glimpse inside the most advanced bottling operations in the world and provides a unique insider's perspective on how the broad array of STEM occupations is to a globally competitive "essential industry."

Wed. 10/28  
2:15 - 2:45pm  
Zoom Track 3

### **One size can't fit all**

By Art Hoelke  
Vice President and General Manager of Knight's Armament Company

Knight's Armament Company is committed to recruiting and retaining the best talent in the defense industry and niche commercial technology. KAC has experienced great success with apprenticeships. Business succeeds when we have the right fit and the right personnel in job slots. Education is pinnacle to both business and employee success. Apprenticeships play an important role in our talent pipeline. Apprentices develop new skills and knowledge from on and off-the-job training, and that growth allows us to harness specialist skill gaps. By embracing the diversity in student apprentices we bring in a new, fresh perspective to business. Our collaboration with student apprentices gives us the opportunity to grow our own talent, creating a collaboration that bridges skills gaps.



Wed. 10/28  
2:45 - 3:15pm  
Zoom Track 1

**Why We Need STEM Outreach, What We Get Wrong, How Do We Fix It**

By Brian “Mitch” Mitchell  
AFRL Munitions Directorate’s STEM outreach coordinator, Eglin Air Force Base

STEM is everywhere. It is a part of nearly every aspect of our lives and to sustain that we need an ever-growing number of students in the STEM pipeline. But we don’t have that. We have a deficit and it needs to be addressed. We have to look at every part of how and why we do STEM Outreach and fix the things we’ve been getting wrong and inspire more and more students to seek out the pathways to a STEM career and be successful. We can do it. In fact, we have to.

Wed. 10/28  
2:45 - 3:15pm  
Zoom Track 2

**Topic Under Construction**

By Charlie Camarda  
Founder/CEO of the Epic Education Foundation,  
President Leading Edge Enterprises LLC, Retired NASA Astronaut

Coming Soon!



Wed. 10/28  
2:45 - 3:15pm  
Zoom Track 3

### **The Impact of Transformational Technologies on the Skills Gap in Manufacturing**

By Greg Jones  
Vice President, Smartforce Development,  
The Association for Manufacturing Technology

At AMT, Greg is leading a priority project to develop content around six transformational technologies that are impacting the advanced manufacturing industry. Greg will discuss the impact of these technologies on the skills gap relative to new duties areas and job functions that will be required to support these technologies:

- Additive Manufacturing
- Artificial Intelligence (AI) and Machine Learning
- Augmented Reality (AR)
- Automation with a focus on Robotics
- Digital Twin
- Generative Design

Wed. 10/28  
3:15 - 3:45pm  
Zoom Track 1

### **Future Need for an M&S Workforce**

By Dr. Edward J. Degnan  
Director for Modeling and Simulation (M&S) Foundations  
at the Air Force Agency for Modeling and Simulation (AFAMS)

The United States and Florida are facing a critical shortage of skilled workers equipped with the requisite digital skills along with modeling and simulation (M&S) expertise required to meet the challenges in utilizing advanced technology for all work sectors including entertainment, medical, defense base industries, etc. This presentation will describe what this workforce will be required to do along with the associated competencies for this workforce. An overview of the verification, validation, accreditation and integration processes will be presented in order to demonstrate the complex and dynamic challenges and competencies the M&S and technology workforce will be required to have in order to analyze, plan, coordinate, manage, execute and evaluate implementation of digital and M&S events/activities. Finally, an approach for measuring Return on Investment (ROI) will be presented.



Wed. 10/28  
3:15 - 3:45pm  
Zoom Track 2

**Topic Under Construction**

TBA

Wed. 10/28  
3:15 - 3:45pm  
Zoom Track 3

**Flexibility Matters: How Students and Aerospace can Benefit from Digital Transformation**

By Tolga Cengiz

Senior Director of Domain Intelligence at Kelly Services

By Ron Bergh

Southeast Regional Business Development Manager of  
Kelly Engineering Resources

While we hear of many emerging technologies, there are a few that truly will create an outsized and transformative impact. In this session, we'll discuss how these trends apply to the aerospace industry and what students and engineers can do to best position themselves and create value.



Wed. 10/28  
3:45 - 4:15pm  
Zoom Track 1

### **A Success Story in Retention and Graduation of STEM Students**

By Karen Sinclair Molek  
Department Chair and Associate Professor of Chemistry  
at University of West Florida

Our national and state STEM talent pipeline hinges on ensuring *all* academically talented students have access to an education in STEM fields. All too often at-risk students aren't afforded the same opportunities in STEM because when they hit a "bump in the road", or experience a less than stellar grade in their entry level STEM courses, they cannot afford the additional resources necessary for their success. Chemistry Scholars at UWF, modeled on the Meyerhoff Scholars Program, began in 2011 as a grass-roots, faculty led, and alumni-backed effort designed to support high-potential disadvantaged chemistry students. The Chem Scholars success led to establishing a NIH-funded MARC Scholars program in 2014. MARC Scholars expanded the model into the Biology and Physics departments for the purposes of increasing the number of financially disadvantaged and underrepresented minority students pursuing graduate school and subsequently biomedical research careers. The success of both Chem and MARC Scholars led to the NSF funded S-STEM, Scholarships for STEM Scholars, expanding the program to all STEM majors in 2016 with the goal of increasing STEM graduation rates for financially disadvantaged, academically talented students. The results of these programs show the tremendous success at-risk students achieve when provided adequate support. These programs are multi-faceted and provide support early and often because financial assistance without support programs is not enough to increase persistence in STEM, especially for minority and financially disadvantaged students, just as capable of succeeding in STEM as their peers.

Wed. 10/28  
3:45 - 4:15pm  
Zoom Track 2

### **Collaborating to Increase Persistence in STEM: Mentoring Young Women in North Florida**

By Dr. Mabry Gaboardi Calhoun  
STEM Educational Consultant

Through a partnership that began in 2017, multiple North Florida educational institutions have annually collaborated to celebrate the International Day of Women and Girls in Science by hosting mentoring forums aimed to increase the participation and persistence of girls in STEM. Organizations that have helped host the forums include: Florida Agricultural and Mechanical University, Florida State University, Leon County Schools, National High Magnetic Field Laboratory, Panhandle Area Educational Consortium, and Tallahassee Community College.



Wed. 10/28  
3:45 - 4:15pm  
Zoom Track 3

### **Developing Skills to Excel in the Innovation Space**

By Christina Heard  
Public Relations and Communications Specialist at SOFWERX

The SOFWERX team plans to talk at the SOFWERX :

- Who we are
- What we do
- Needed skills to work in this environment
- Our internship program
- What we look for in the hiring process
- How can educators begin cultivating the skills that we look for in students

Wed. 10/28  
4:15 - 4:45pm  
Zoom Track 1

### **Accelerated Skills Training – A Pathway to Career Success**

By Michael Kepner II, M.A.  
Director, Valencia College Advanced Mfg. Training Center

Workforce Development/Career and Technical Education  
Description of Speech: Valencia College's Continuing Education (CE) division provides multiple technical education programs/Accelerated Skills Training (AST) programs throughout Central Florida. Valencia's Centers for Accelerated Training (CAT) sites meet the region's need for skilled employees by providing intensive, short-term skills training that result in industry recognized credentials. These programs are offered outside of a traditional academic calendar with small cohorts of individuals mastering the skills that will result in high-wage, high-skill, and high-demand jobs.



Wed. 10/28  
4:15 - 4:45pm  
Zoom Track 2

### **No Matter What Career You Choose**

By Jon Dudas

Senior Vice President, Senior Associate to the President and Secretary of the University, University of Arizona

From serving the government as an Under Secretary of Commerce and Director of the US Patent and Trademark Office to the President of a Nonprofit or a Senior Vice President at a company and a university, STEM matters. My career path has been varied, but one constant is the need for innovation, entrepreneurship and an understanding of STEM.

Wed. 10/28  
4:15 - 4:45pm  
Zoom Track 3

### **Startups: The Engine of Innovation**

By Tonya Elmore

President and CEO, Tampa Bay Innovation Center

Enterprise Tech startups play an important role in job growth and help define the future workforce. Jobs in this sector will be generated by the wide-scale adoption of enterprise technology across all types and sizes of industries. This allows companies to transition their existing employees while attracting new talent. Additionally, those firms focused on cyber, data, AI, IoT, supply chain and other related sectors have been creative in their recruiting efforts. Due to high demand in this sector, companies are waiving the four-year or advanced degree requirement and are working with new collar workers via internship/apprenticeship programs and training.

**AGENDA**

**DAY 3**



Time	Day 3 - Oct 29, 2020 - Track 1	Day 3 - Oct 29, 2020 - Track 2	Day 3 - Oct 29, 2020 - Track 3
8:30 - 9:00	Kick-off Day 3		
9:00 - 9:30	Keynote Speaker Coming Soon!		
9:30 - 9:45	Breakout Room Move Participants		
9:45 - 11:15	Breakout Solutions	Breakout Solutions	Breakout Solutions
11:15 - 11:30	Return Breakout Room Participants		
11:30 - 12:30	Paul Sohl HTCC Epic Topic - Coming Soon		
12:30 - 12:45	Breakout Room Move Participants		
12:45 - 2:15	Breakout Roadmap	Breakout Roadmap	Breakout Roadmap
2:15 - 2:30	Return Breakout Room Participants		
2:30 - 3:30	Results / Wrap-up / STEM Consortium Sign-up		





**Thursday, October 29**

<p>Thurs. 10/29 8:30 – 9:00 am</p>	<p><b>STEM Summit IV – Kick-off and Participant Voting</b></p>
<p>Thurs. 10/29 9:00 – 9:30am</p>	<p><b>Topic Under Construction</b></p> <p>Speaker To Be Announced Coming Soon!</p>
<p>Thurs. 10/29 9:30 – 9:45am</p>	<p>Choose a Skills Gap Problem – <b>Go to a SOLUTIONS Workshop</b></p>
<p>Thurs. 10/29 9:45 – 11:15am Zoom Track 1 Zoom Track 2 Zoom Track 3</p>	<p><b>Solutions Workshop Breakout Sessions</b></p>
<p>Thurs. 10/29 11:30am – 12:15pm</p>	<p><b>LUNCH &amp; LEARN</b></p> <p>By Rear Adm. Paul Sohl (USN Ret) CEO, Florida Hi-Tech Corridor Council</p> <p><b>Topic to be announced – Don't miss this one!!!</b></p>
<p>Thurs. 10/29 12:30 – 12:45pm</p>	<p>Choose a Skills Gap Problem – <b>Go to a ROADMAP Workshop</b></p>

**AGENDA**

**DAY 3**



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Thurs. 10/29  
12:45 – 2:15pm  
Zoom Track 1  
Zoom Track 2  
Zoom Track 3

**Solutions Workshop Breakout Sessions**

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Thurs. 10/29  
2:30 – 3:30pm

**Skill Gap Roadmap to Success**  
The results / Wrap-up / STEM Consortium Sign-up

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