



2017 MID-ATLANTIC HTEC MANUFACTURING CONFERENCE

TRANSFORMING TODAY'S STUDENTS AND TOMORROW'S WORKFORCE



FEATURING KEYNOTE PRESENTATION
**DESIGN AND
MANUFACTURING
CHALLENGES BEHIND THE CURTAIN**

TAIT & The Live Entertainment Industry



Haas Factory Outlet

A Division of Phillips



April 29, 2017



• THADDEUS STEVENS COLLEGE OF TECHNOLOGY •
750 E King Street, Lancaster, PA 17602

SCHEDULE

AT-A-GLANCE

TIME	EVENT	LOCATION
8 a.m.	Registration Continental Breakfast	MAC
8:30 a.m.	Welcome General Session Dr. William Griscom, <i>Thaddeus Stevens College President</i> Mr. Ed Kilgallon, <i>Sr. VP, HFO-Phillips Corp.</i> Mr. Ronald Schwartz, <i>Assoc. Professor, Machine Tech.</i>	MAC
9 a.m.	Workshop Session 1	Various
10 a.m.	Workshop Session 2	Various
10 a.m. – 2 p.m.	Industry Networking Expo Meet with 25 companies one-on-one. Ask questions about their scope of work, careers in their fields, products, materials for curriculum and other areas of interest. <i>Note: Expo will be closed 12:45 to 1:30 for keynote.</i>	MAC
11 a.m.	Workshop Session 3	Various
11:45 a.m.	Buffet Lunch <i>Sponsor:</i> HAAS Factory Outlets – A Division of Phillips <i>Remarks:</i> Dr. Zoann Parker, <i>VP Academic Affairs</i>	MAC
12:45 p.m.	Keynote Presentation <i>Design and Manufacturing Challenges Behind the Curtain</i> Adam Davis, <i>Chief Creative Officer at Tait Towers</i> (<i>see page 7</i>)	MAC
1:35 p.m.	Scholarship Awards Michael DeGroft, <i>Dean of Enrollment Services</i> Sponsors: National Novelty Brush, Inc. & Clark Service Group	MAC
2 p.m.	Workshop Session 4	Various
3 p.m.	Conference Closes	

AGENDA

Industry Track

Educator Track

Student Track

*Agenda of workshops is continued on Page 6.

9:00 -
9:45

Manufacturing Software to Make Great Products

Learn how Autodesk Manufacturing Software helps machine, print, inspect and fabricate better quality parts faster.

Presenter: Brian DiNola

Company: Autodesk

Location: LRC

Primary Audience: Industry

Getting Hired with the Right Skills

Discover how to balance technical expertise with leadership skills, the importance of your passion and energy in pursuing the right career, and how to think like an entrepreneur.

Presenter: Brad Bougher

Company: Tait Towers

Location: MAC

Audience: Students

Closing the Skills Gap through Pre-Apprenticeship and Apprenticeship

Tooling U-SME provides online Workforce Education Training Solutions for Manufacturing to increase capacity, improve student performance and give consistency to your machining program.

Presenter: Therese Schustrich

Company: Tooling U-SME

Location: Jones Conference Room

Audience: Industry

Machine Shop Session: Live Tooling Lathe Demonstration

See how to reduce setup and cycle time as well as increasing accuracy through using live tooling in our HAAS lathes.

Presenter: TSCT Students

Company: TSCT | HAAS | Lance

Location: Leonard Building

Audience: Students | Educators

10:00 -
10:45

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Preparing the Next Generation of Leaders

Gain tips for being more creative both in concepts and in execution, and learn about innovation in manufacturing behind the show-business curtains.

Presenter: Brad Bougher

Company: Tait Towers

Location: MAC

Audience: Educators | Industry

Finding Career Success in our New Economy

Learn about the high-demand, high-wage, high-skill jobs available in manufacturing today!

Presenter: Laurie Grove | TBD





Company: TSCT | Lancaster Co. CTC

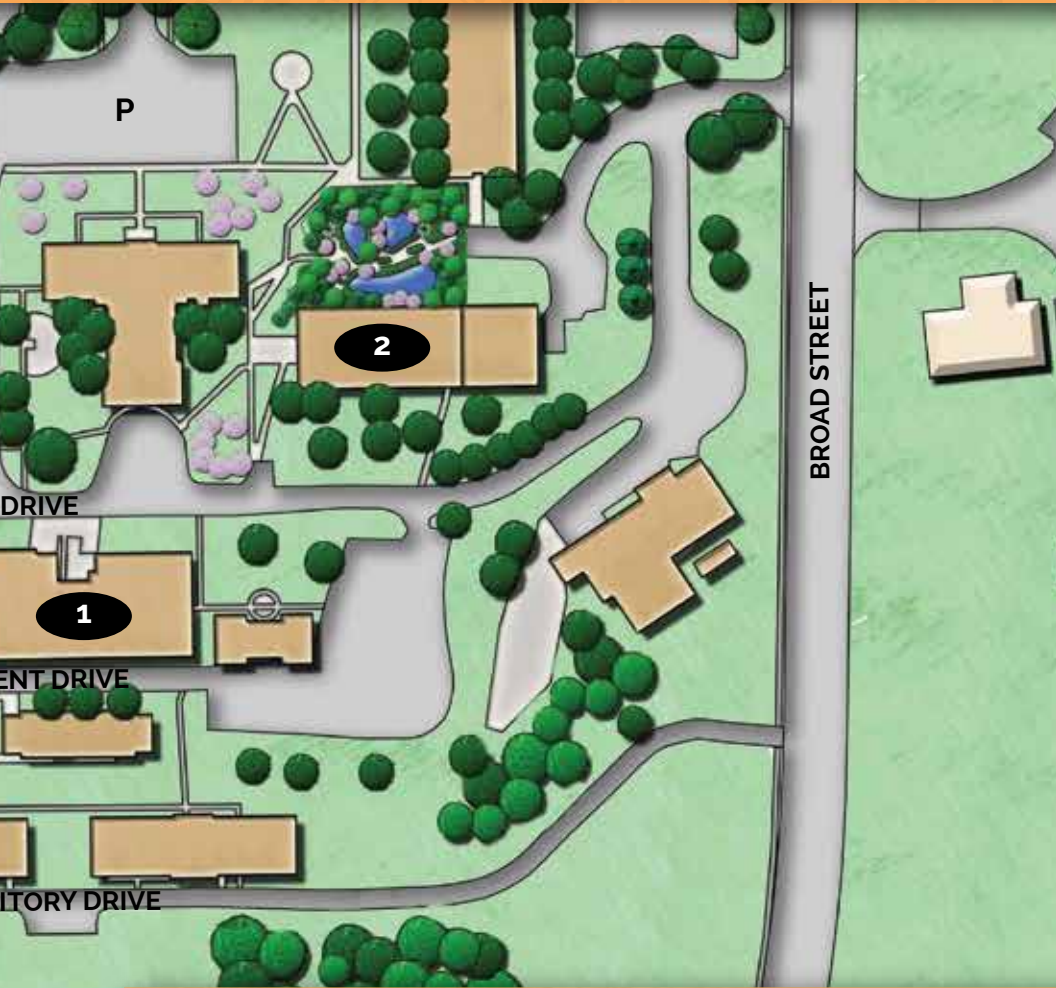
Location: Jones Conference Room

Audience: Students



KEY

-  Multipurpose Activity Center
-  Learning Resource Center (LRC)
-  Jones Conference Room
-  Leonard Building



EXHIBITORS

Arranged alphabetically in the MAC - East Court

Astro Machine Works	Lancaster County CTC
Brentwood Industries	Master CAMa
Carel	Mold Based Industries
Chase Brass	Morgan Corporation
Clark Services Group	MPC Industries
Electron Energy	MSC
Fastening Products	Solar Innovations (unconfirmed)
Flex/Cell	Tait Towers
Greiner Industries	Thaddeus Stevens College Admissions
HAAS	Weaver Industries

10:00 - Machine Shop Session: Introduction to Swiss Machining

10:45

Lancaster County is the fifth largest pocket of Swiss machining in the nation. Many small, intricate parts are created with these unique machines. Learn the basics of how a Swiss machine operates.

Presenter: Ron Schwartz

Company: TSCT | Lance

Location: Leonard Building

Audience: Students | Educators

11:00 - Haas Automation: American Machine Tools for the Future of Manufacturing

11:45

Watch video of the Haas Factory. Hear how Haas Automation got started. Learn about Gene Haas Foundation scholarship opportunities, and walk away with Haas Educator Tips of the Day.

Presenter: Ken Wawrzyniak

Company: Haas Automation

Location: LRC

Primary Audience: Educators | Students

Lean Problem Solving

Find the root cause of your nagging, repetitive costly business problems. Implement permanent corrective action through Lean Problem Solving Training. Come away with a tool to help production, service, and office employees correct problems and maximize profits by using this simple approach.

Presenter: Michael Roth

Company: Go-Lean-Six Consulting and Training

Location: MAC

Audience: Industry

See it to Be It: Recruiting Women into STEM careers

Women remain underrepresented in high-paying in-demand careers, such as manufacturing, despite making up half of our population. Through exposing them to the dynamic and challenging careers in STEM fields, we hope to change this paradigm to help decrease the wage gap.

Presenter: Kathleen Surra

Company: National Science Foundation/Advanced Technological Education

Location: Jones Conference Room

Audience: Educators | Industry

Machine Shop Session: Milling Demonstration

See and hear about the projects current students are machining. They will demonstrate production of parts for both the desk clocks and emergency brake handles.

Presenter: TSCT Students

Company: TSCT

Location: Leonard Building

Audience: Students | Educators

SPONSORS

Meal Sponsors



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Keynote Presentation

DESIGN AND MANUFACTURING CHALLENGES BEHIND THE CURTAIN

Adam Davis | Chief Creative Officer | **TAIT**

With an innate passion for creating, Adam Davis has developed some of the live entertainment industry's most revolutionary technologies and design concepts. He manages a team of specialists across the globe skilled in the areas of staging, scenic design, LED integration, show control and automated rigging.

Under his leadership, TAIT has played a pivotal role in producing many of the largest, most spectacular, live productions of all time.

**2:00 -
2:45**

Intro to CMM Inspection with ZEISS CALYPSO Software

Get an introduction to basic metrology concepts and how they apply to manufacturing education. Learn about tactile and optical measurement technologies and experience CALYPSO CMM programming software.

Presenter: Stephanie McCartan
Company: Zeiss Industrial Metrology
Location: LRC
Primary Audience: Educators

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Presenter: Michael Roth
Company: Go-Lean-Six Consulting and Training
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Technology in Tooling

OSG USA is the largest manufacturer of solid, round cutting tools worldwide. Our expansive line includes drills, taps, and end mills capable of machining a wide range of materials.

Presenter: Erik Egland | Steve Kreiser
Company: OSG USA
Location: Jones Conference Room
Audience: Students

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Conference Sponsors



OPENING IN 2018 at
THADDEUS STEVENS COLLEGE *of* TECHNOLOGY



THE GREINER CAMPUS

For Advanced Manufacturing