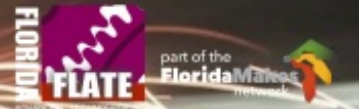


FLATE FOCUS

January 2024



2024 FLATE Manufacturing Education Awards



2024 FLATE Award Nominations Open until February 9th

The 17th annual FLATE awards will recognize educators and industry professionals who have made outstanding contributions to manufacturing or engineering technology outreach or educational programs in our public or private educational institutions.

Do you know an educator or manufacturing professional who goes above and beyond? **Make your nomination today for:**

- FLATE Distinguished Manufacturing Secondary Educator-of-the-Year Award
- FLATE Distinguished Manufacturing Post-Secondary Educator-of-the-Year Award
- FLATE Distinguished Manufacturing Partner Service Award
- FLATE Most Innovative Manufacturing Student Event Award

If you are interested in sponsoring the 2024 FLATE Awards, [click here for the Sponsorship Packet](#).

[Click here to make a nomination](#)

FLATE Professional Development Series - Spring 2024 Overview of Teaching PLCs - February 2nd

The 2024 FLATE Webinar Series provides educators with training on ways to attract and retain students and/or understand new, complex technologies.

The series will kick-off in 2024 with a webinar covering everything you need to know in order to teach PLCs including how to set up your PLC course, download the software (AB Micro Lite) and other low-cost options for teaching PLC courses.



- **Friday 2/2/2024 at 10:00 AM**

Spring 2024 ET Forum
April 4 - 5, 2024 - Bradenton, FL



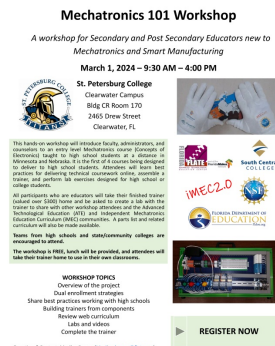
Register Now

Spring 2024
ET Forum

Mechatronics 101 Workshop
St Petersburg College, Clearwater Campus
March 1, 2024

A workshop for Secondary and Post Secondary Educators new to Mechatronics and Smart Manufacturing

This hands-on workshop introduces an entry level Mechatronics course (Concepts of Electronics) taught to high school students at a distance in Minnesota & Nebraska. Attendees will learn best practices for delivering technical coursework online, assemble a trainer, and perform lab exercises designed for high school or college students. All educator participants will take their finished trainer (valued over \$300).



Space is limited. Register Now!

FLATE News

Spotlight on SETIAB - Florida's Statewide Engineering Technology Industry Advisory Board



In an ongoing effort to streamline the ET degree and related curriculum, and in coordination with FloridaMakes and state and community colleges offering the ET Degree, FLATE launched the Statewide Engineering Technology Industry Advisory Board (SETIAB) in the spring of 2023. The Florida SETIAB is a key vehicle in engaging and building in-roads between Florida manufacturers and colleges offering two and four-year degrees in engineering technology.

Following the inaugural meeting in March 2023, the Board recruited additional members to set up its initial organizational structure and bylaws. The Board consists of 1-2 industry representatives from each of the Florida colleges, each of whom supports their college's

engineering technology advisory board. Colleges may have more than one industry representative in order to ensure that there is broad geographic representation and includes representatives of all manufacturing sectors found in Florida.

The Board also includes one member each from FloridaMakes, Florida's K-12 education system, and the Florida Department of Education's Adult and Career Education division. There are also supporting members which include representatives from each of the colleges that have an industry member on the board and representatives from FLATE.

[Read full article](#)

2024 Florida Career Pathways Network Symposium



The FCPN Symposium, held this year on January 10-12, 2024 in Jensen Beach, FL, is an effective annual venue for providing career and technical educators, employers, and workforce development partners across Florida with resources and best practices to foster professional leadership and partnership.

During this event, FLATE had the opportunity to network with CTE educators and administrators from across the state and to present these

sessions:

- Resources & Strategies for Building Partnerships for CTE Career Readiness focused on resources and strategies for building cross-sector partnerships to include the latest online tool “Manufacturing Matters Dashboard”, a data visualization tool that monitors and displays CTE programs that support manufacturing industries in FL.
- Statewide Industry Engagement for CTE Programs about the pros and cons of a statewide industry advisory board for a CTE program. See SETIAB article above.

[Click here to view these presentations on the FLATE wiki.](#)

AmSkills & Local Colleges Establish Articulation Agreements to Build Enrollment

AmSkills, a regional resource for manufacturing training on Florida's west coast, met recently



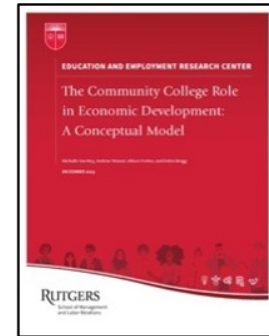
with FLATE in a discussion about expanding articulation agreements with local schools. AmSkills believes strongly in productive collaboration between post-secondary education providers and has established articulation agreements with several colleges. The focus has been on agreements with schools that offer the Associate in Science in Engineering Technology (ASET) degree, allowing AmSkills participants who receive industry certifications to receive college credit towards the ASET degree.

According to Dr. Anzalone, COO of AmSkills in Holiday, FL, the common goal is increasing the number of students pursuing post-secondary education in STEM, more specifically in Engineering Technology. FLATE encourages the development of articulation agreements between Florida's colleges around the state and partners offering programs like these by AmSkills that offer alternative pathways to learning manufacturing and soft skills. For step-by-step instructions on how to establish articulation agreements, [click here watch the FLATE Webinar on Developing Local Articulations.](#)

[Read full article](#)

Updates on FLATE's partnership with Rutgers' University Education and Employment Research Center (EERC) – Hidden Innovation Infrastructure: Understanding the Economic Development Role of Technician Education in the Changing Future of Work (HII)

Dr. Barger, Senior Educational Advisor for FLATE, has served as a co-principal investigator for an NSF ATE-funded Technician Education Research (NSF 2026262) project since 2020. This project is researching community college technical programs' contributions to and interactions with local and regional economic development organizations. Over the 2023 Winter break, the HII project released a publication sharing its conceptual model that has evolved during the research phase of this project – [The Community College Role in Economic Development: A Conceptual Model](#). Additionally, the Hidden Innovation Infrastructure project has developed 3 interactive data visualization tools that can provide charts or graphs of trends over time of graduates per career and technical education program by name, nationally, by state, or for multiple states.



[Read full article](#)

2023 Florida Manufacturing Report

2023 Florida Manufacturing



With the support of  FloridaMakes

The *2023 Florida Manufacturing Report* provides a comprehensive understanding of the importance of manufacturing to our economy and the role it will continue to play in advancing our standard of living. Working with the Florida Department of Commerce, FloridaMakes had the opportunity to compile the initial draft under their direction and review. The report highlights the impactful work the stakeholders in our manufacturing ecosystem collectively undertake to support and elevate the manufacturing economy in Florida.

The purpose of this publication is to report on the state of Florida manufacturing in 2023, while also identifying some of the key challenges to be addressed. The report provides a summary of key technology, workforce, growth, and supply chain strengths as well as several opportunities, both local and national, to further improve Florida's

manufacturing strengths and capabilities. Further, the report provides an analysis of key manufacturing sub-sectors that drive Florida's economy as well as the distribution and relative importance of those sub-sectors at a regional level.

[Read the report](#)

Upcoming Events

**FANUC 2D iRVision Operation & Programming
College of Central Florida - April 8-10, 2024**



The College of Central Florida Corporate College is the only FANUC Authorized Satellite Training (FAST) facility in Florida and will be presenting FANUC Robotics training at the Ocala Campus. The course covers basic tasks and procedures required for an operator, technician, engineer, programmer or instructor for iRVision applications.

Register by Feb 23, 2024

ASEE 2024 Annual Conference and Expo Portland, OR - June 23-26, 2024



Whether you're a teacher striving to enhance your pedagogical approach, a professor with innovative insights to share, or a professional shaping the future of the industry, the American Society for Engineering Education Conference is your platform for empowerment and growth.

Early Registration now open!

2024 FACTE Conference & Trade Show Call for Presentations



The 58th Annual conference will be held at the Sawgrass Marriott, July 15-17, 2024. If you would like to present a workshop during the conference, please complete the form by February 15, 2024. All presentations will be live and in-person. Notification regarding your proposal will be sent by March 1.

FACTE Call for Presentations by Feb 15

2024 HI-TEC Conference Call for Proposals - Due Feb 15 - 29



There are three opportunities to present at the HI-TEC conference. Proposals for Preconference Workshops due Feb.15. Proposals for Main Conference & Poster Sessions due Feb. 29. **Hotel Reservations** now being accepted - Registration opens in March.

HI-TEC Call for Proposals

Other News, Opportunities & Resources

SME Education Foundation - Scholarship Applications Open through February 1, 2024



The SME Education Foundation scholarship program awards millions of dollars to hundreds of graduating high school seniors and current college students pursuing an associate or bachelor's degree in manufacturing, engineering or related discipline. With more than 60 distinct scholarship programs, the Foundation provides merit and need-based

scholarships, issues renewing and one-time awards, and seeks applications from all eligible students, including but not limited to young women and underrepresented communities. The Foundation has awarded \$18 million to over 5,000 future industry leaders since 2005 and awards nearly a million dollars in scholarships each year.

To Apply

Mentor Up Pre-Application Mentoring Program Apply by March 15



Do you have an idea for a National Science Foundation Advanced Technological Education (NSF ATE) proposal? Thinking about applying to Mentor Up? Register for our Pre-Application Mentoring Program! Participants will work with a mentor for up to 10 hours to develop their applications for the Mentor Up

Program, including a one-pager describing the idea for your NSF ATE proposal. Up to two faculty from your team will be eligible to receive a \$250 stipend if an application is submitted to the Mentor Up Program by March 15, 2024.

More information

Inclusive STEM Teaching - Online Course March 4 - April 26



The [Inclusive STEM Teaching Project](#), a NSF Improving Undergraduate STEM Education program, is hosting a six-week Massive Open Online Course (MOOC) from **March 4 - April 26, 2024** via edX. Join our community of over 11,000 faculty, postdocs, graduate students, and staff. By participating in this course, you will learn how to:

- Advance your awareness, self-efficacy, and ability to

cultivate inclusive classroom environments;

- Support your development as a reflective, inclusive practitioner;
- Engage in reflection and discussion around topics of equity and inclusion across a variety of institutional contexts;
- Implement inclusive teaching methods in your classes which will remove common barriers and enhance learning in STEM for all students.

In addition, there are nearly 500 trained facilitators running optional learning communities at institutions around the country. If you are interested in joining a learning community, please express that interest [here](#).

More information & Registration for Online Course

\$7,500 Grant to Add Propane-Specific Training to your Alternative Fuel Program Curriculum

The need for diverse energy sources on the road is accelerating — along with future career opportunities for students. To support this, the Autogas Vehicle Inspection Program from the Propane Education & Research Council (PERC) is offering up to \$7,500 in grants when you expand your automotive course curriculum to include propane-specific autogas training. Outfit your facilities with propane-related equipment — and give students the kind of elevated, hands-on learning experience that leads to more productive career opportunities.

Apply for PERC's Grant

Lowe's Foundation Gable Grants Program for Skilled Trades Postsecondary Education Programs

Grant cycle for community & technical colleges opens March 1. Grants are for sustainable, scalable skilled trades postsecondary education programs with an emphasis on appliance repair, carpentry/construction, electrical, heating, ventilation, and air conditioning (HVAC) and/or plumbing. They must serve one or more underrepresented communities as follows: a. Women b. People of color c. Rural areas d. Individuals who are justice-involved and/or participating in second chance programs

Apply for Lowe's Grant

FLATE 2022-23 Webinar Series - Watch on Demand

- Developing Local Articulations to Increase Enrollment in College Programs
- How to Create Work-based Learning Opportunities
- Recruiting Strategies Best Practices
- Robots for AI and Industry 4.0 Training and Demo
- Creating Videos using Classroom Projects and Student Success Stories
- How to Increase Student Diversity in ET Programs
- How to Develop ET Dual Enrollment or Early College Programs
- Cybersecurity for Manufacturing Series (4-part)



View Webinars on Demand

FLATE Resources



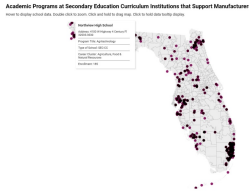
flate.org



[FLATE wiki](http://flate.org/wiki)



madeinflorida.org



FLATE's Manufacturing Matters Dashboard

A tool highlighting manufacturing education, careers, industry, and their impact on Florida's economy.

[Click here for FLATE's Manufacturing Matters FL Dashboard](#)

Florida Department of Education Resources



With Career, Technical and Adult Education (CTAE), you can train for a better career quickly and affordably.



Apprenticeship programs are a proven training method benefiting job seekers and businesses.

Check Out Our Previous Newsletters:

[Dec 2023 Focus](#) | [Nov 2023 Focus](#) | [Oct 2023 Focus](#) | [Newsletter Archive](#)

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