



Faculty: Scroll down to the Opportunities section for professional development and grant opportunities including an FSI Semiconductor Course (\$250 stipend), a free CNC Machine Tool Calibration Workshop at Indian River State College and grants to fund manufacturing summer camps (\$2,000).

October is Manufacturing Month!

Manufacturing Month 2025 kicked off on National Manufacturing Day, the 1st Friday in October! Have you scheduled your Manufacturing Month student tour to a local manufacturer? Let's show our students the many high-wage careers available and help grow the next generation of high-tech workers for the manufacturing industry that drives our economy. If you have already planned your event, please let us know so we can amplify the message so that everyone in Florida knows that October is Manufacturing Month!

☐ [Click here to register your event](#) or email events@flate.org.

☐ Share pictures of your event on social media using:

- #MFGDay25
- #FLMFGMonth25
- #MEPNationalNetwork

The FLATE webinar held on August 26th covered strategies and best practices to help you maximize your Manufacturing Student Event. Watch the 30-minute webinar on demand for step-by-step instructions.

MFG Month Webinar

MFG Month Resources

Manufacturing Month Activities for Middle & High School!

skillsgapp

Manufacturing Month Video Game

Enjoy using the Maker Mojo Skillionaire Game to engage your students in learning about Advanced Manufacturing careers and the skills

DISCOVER
ENGINEERING

Manufacturing Month Problem Solving Activity

Using simple materials like paper, markers and rulers, students work in teams to design, test, and refine their own assembly line — racing to

needed to succeed! SkillsGapp created a [landing page for Florida](#) for October, which you can use to plan activities for middle (7th/8th) or high school!

Game Instructions

produce as many quality “bricks” as possible in just 10 minutes. Highest scoring teams are as quick and efficient as possible while upholding quality control criteria.

Activity Instructions

Upcoming Manufacturing Month Events

Manufacturing Month Industry 4.0 Symposium October 17, 2025, 1:00pm-3:00pm St. Petersburg College



Industry 4.0 Symposium

October 17, 2025 | 1-3 PM | SPC, St. Petersburg

Join BAMA and SPC for the Industry 4.0 Symposium, a forward-looking event celebrating Manufacturing Month. Hear from five distinguished experts in AI, cybersecurity, IoT, 3D printing, and operations as they discuss the technologies reshaping the future of manufacturing.

Attendees will also tour SPC's new SMART Industry 4.0 labs, built to train the next generation with real-world, hands-on experiences.

Friday, October 17, 2025
1:00 PM - 3:00 PM
SPC, 1300 22nd Street South, St. Petersburg
Room MT 141 Community Room



About this Event
• Emerging Tech
• Training in Industry 4.0
• Workforce Innovation
• Tour of SPC

OUR PANELISTS



Joe Verano
National Center for
Defense Manufacturing
and Modeling, VP & CIO



George Barnich
Manufacturing
Technology Development
Group, VP & CTO



Charlotte (Ward) Brodey
Goldman, Head of
Customer Success



Roy Kirchner
Ultimate 3D Printing
Store, CEO



Wendell Kraemer
Honeywell, Sr.
Operations Manager

REGISTER NOW



For Accessibility Assistance, please contact:
Tiffany Kozsa - Accessibility Coordinator
(Kozsa.Tiffany@SPCCollege.edu, and/or 727-362-6445)

BAMA and St. Petersburg College spotlight the future of advanced manufacturing. Five nationally recognized panelists will explore the trends, challenges, and opportunities shaping the next era of industry. Attendees will also tour the new SMART Industry 4.0 classrooms and labs—designed to give students hands-on training with automated systems and industry certifications.

Register here

Manufacturing Month Open House for Local Manufacturers October 17, 2025, 8:30am-10:30am Valencia College

Valencia College
MANUFACTURING MONTH
OPEN HOUSE

VISIT ONE OF OUR TWO LOCATIONS

FRIDAY OCT. 17 8:30-10:30 AM

Advanced Manufacturing Center

- Welding Technology
- Automated Production (CNC) Lab featuring Additive Manufacturing
- Heavy Equipment & Forklift Technician Training Lab

Osceola Campus

- Precision Optics & Photonics Lab
- Soldering & Cable Wire Harness Assembly Lab
- Industrial Automation Lab
- Intelligent Automation Labs featuring Robotics Technician and Semiconductor Training

Meet Instructors | Scan to Register | Tour state-of-the-art labs | Find out about upcoming graduate talent

Manufacturers can get an exclusive look at how Valencia College is training the next generation of skilled talent: meet the instructors and tour state-of-the-art labs. Visit the **Osceola Main Campus** for Optics, Semiconductor, Robotics, and Electronics industries and/or the **Advanced Manufacturing Training Center** for Welding, CNC-Machining and other technician programs

More information

Robotics Careers Virtual Workshop
October 28, 2025, 6:30pm-7:45pm

Made in Central Florida Expo
Orlando, FL
October 30, 2025 8:00am-3:30pm

This interactive workshop is designed to help students learn how to connect their experience competing with robots into a career working in robotics. Employers will provide insights into various job roles managing and implementing robotics in manufacturing. Learn job search and resume best practices and how to connect to jobs and training through The Arm Institute's free resource: RoboticsCareer.org.

Register



Manufacturers of all sizes will give students (middle, high & college) a first-hand look at career pathways in manufacturing. Event Schedule:

- 8:00 AM – 12:00 PM: Middle & High School Students
- 12:30 PM – 3:30 PM: College & Post-Secondary Students, General Public

Register to Attend

FLATE Connects Educators & Manufacturers in Northeast Florida at Speed Networking Event

The timer buzzed, but no one moved. The conversations were too good. On September 25, 2025, a unique partnership of FLATE, CareerSource Northeast Florida, the First Coast Manufacturing Association (FCMA) Workforce Committee, and St. Johns River State College brought together educators and manufacturers for a "Speed Networking" event. The energy was electric as 13 educators from Duval and St. Johns counties sat down with eight local manufacturers. For five fast-paced minutes at each table, they connected, swapped contact information, and forged relationships that will directly benefit students. The overwhelming positive feedback proves that these new partnerships are already a huge success.



We're excited to see what comes next, as these new connections spark new outreach events that will give students a better understanding of the many career options in manufacturing.

We're always looking for new ways to bridge the gap between education and industry and will keep you posted on future opportunities. If you're an educator or a manufacturer looking to build a talent pipeline, reach out to [FLATE](#)—we're here to help you connect.

FSI | FLATE Paid Semiconductor Internship Opportunity

FLATE has partnered with the Florida Semiconductor Institute (FSI) to manage a paid internship program at semiconductor companies throughout Florida. **Who is eligible?** University, state college, technical college and high-school students from across Florida who are in engineering, manufacturing, chemical or related programs. Please share the flyer with your eligible students. Those interested can fill out the interest form at the link below or through the QR code on the flyer.



Introducing Etch - Florida's Newest Semiconductor Workforce Development Program



Etch

Etch is a state-led initiative that bridges the gap between education and careers in semiconductors and connects Floridians to opportunities in the growing field. Join the Etch Talent Network to discover a wide range of career paths

and to access exclusive resources including:

- Guidance for students, parents and advisors
- Support for schools and educators
- Programs that meet local job demand

The Etch Talent Network connects professionals and employers through anonymous, algorithm-driven matching. Candidates can explore contract and full-time roles, pursue advancement, and grow in a vital industry. Employers gain direct access to skilled talent at every level without traditional barriers.

[Learn More](#)

Events

FLATE Engineering Technology (ET) Faculty Mentorship November 3, 2025 - 1st Monday of month at 11:00am

Join us on the first Monday of the month 11:00 AM - 12:00 PM ET for our Monthly ET Mentorship meetings, designed to help new faculty with questions about curriculum, labs, advisory committees, and much more. We also invite experienced faculty to share their knowledge. At the October meeting, faculty discussed ideas on what equipment to use for each course, learning outcomes, shared curriculum and how to build strong advisory committees to connect industry and education. The group also explored a draft standardized curriculum guide for Electronics Engineering Technology and Robotics. Click on the button below to sign-up and share this invitation with colleagues who may be interested!



Level 1 Robotics Curriculum Feedback Needed

Your input matters! We're refining the Level 1 Robotics curriculum and need your feedback on its usefulness and real-world applicability. The root directory contains all curriculum guides, with "Student Materials" in a subfolder for future student access online. These guides will be shared with faculty adopting the Robotics program—your insights will shape a valuable resource for both instructors and students. [Click here to review.](#) For more information contact: [Dr. Ron Eaglin](#), Senior Professor, Angela and D.S. Patel School of Engineering Technology, Daytona State College

[Register for Mentorship Meetings](#)

Semiconductor Education Day for K-20 Educators
November 6, 2025 8:00am-4:00pm
University of Florida, Gainesville



This engaging one-day event at the University of Florida is designed for K-20 educators, administrators, and guidance counselors who are

eager to integrate semiconductors and STEM career exploration into their curriculum. Through interactive sessions, hands-on activities, and expert-led discussions, you'll gain insights into the rapidly growing semiconductor industry. Walk away with practical tools, fresh ideas, and inspiration to spark student interest and prepare the next generation of engineers, scientists, and innovators.

Register

MakeMore Manufacturing Summit
October 22-23, 2025



Register

10th Annual Manufacturing Education 5K
October 26, 2025

Join us on Sunday, October 26, 2025, for the 10th annual 5K for Manufacturing Education. **Note the new location: Chi Chi Rodriguez Golf Club, 3030 N. McMullen Booth Rd. Clearwater** This year's Halloween-themed event "Ghouls for Tools" encourages entrants in costume and includes a Kid's Dash with themed activities planned. The past 9 events have netted nearly \$232,000 for deserving engineering and manufacturing workplace students' scholarships.



It's not too late to register!

Florida Career Pathways Network (FCPN) 2026 Symposium January 21-23, 2026 - Jensen Beach



Join other Florida Career Pathways and Career and Technical Education leaders and practitioners for a variety of workshops, professional dialogues, and best practice showcases from around the state. Hotel reservations can be made from their [website](#). Breakout Sessions represent the core of the symposium offerings and feature a successful practice, program, or key issue. Breakout Sessions are 45 minutes in length, may include up to 3 presenters, and are intended for 20 - 25 participants. [Session Proposals due by November 7, 2025](#)

Early Bird Registration until November 1, 2025

Opportunities

Manufacturing Summer Camps Spotlight MFG Careers! 2026 SparkForce Grant Application | \$2,000 per Camp Deadline: December 1, 2025



Celebrate Manufacturing Month by bringing a Manufacturing Camp to Your Community - Inspire the next generation of manufacturers by hosting a summer manufacturing camp at your school. Formerly known as Nuts, Bolts & Thingamajigs (or NBT), SparkForce, the charitable foundation of the Fabricators and Manufacturers Association, provides grant funding to

help cover the costs of running an engaging, hands-on camp that introduces students to rewarding careers in manufacturing. **Camps include visits to local manufacturers!!**

To Apply

FSI Faculty Semiconductor BRIDGE Course Professional Development | \$250 Faculty Stipend

This program is designed to support faculty and teachers from Florida schools (middle & high school, technical, community or state college) who are interested in learning more about the semiconductor industry in Florida and sharing this knowledge with their students.



Selected participants will complete three online modules, averaging one hour each:

- What is it like to work in a Clean Room?
- What is the Semiconductor Industry?
- Jobs in the Semiconductor Industry.

Other requirements: complete a brief pre-survey and post-survey.

Faculty and teachers who are selected and successfully complete the three BRIDGE courses and surveys will receive a \$250 stipend.

To Apply

Discover Engineering Grants Available Engineers Week Outreach and Girl Day Grants Deadline: November 3, 2025



DiscoverE's grant opportunities are designed to support volunteer and educator efforts to inspire the next generation of innovators through hands-on exploration of engineering. Grants range from \$250 to \$1,000.

- **Engineers Week Outreach Grants** support activities and events that engage K-12 students during (or around) Engineers Week (Feb 22-28, 2026) to inspire an interest and understanding of engineering.
- **Girl Day Grants** support events and activities for *Introduce a Girl to Engineering Day*, an annual campaign (Feb 26, 2026) that takes place during Engineers Week with the goal of introducing K-12 girls (and boys – all are invited!) to the fascinating world of engineering.

To Apply

CNC Machine Tool Calibration Workshop December 4-5, 2025 Indian River State College, Ft. Pierce



CNC MACHINE TOOL CALIBRATION WORKSHOP
December 4-5, 2025 | 9 am - 4 pm
Indian River State College
3209 Virginia Avenue, Fort Pierce, FL 34981

Renishaw Process Control for Haas CNC Machines
-Hands-On Training with Process Foundation, Setting/Inspection, Ballbar, and Probing/Tool Setting

Ballbar Diagnostics & Machine Health

- Live demonstration of ballbar analysis
- Hands-on machine adjustment based on results

Machine Tool Calibration & Curriculum

- Learn how to integrate calibration training into your programs
- Explore Process Foundation, the first level of the Productive Pyramid of Manufacturing

Advanced Concepts:

- 6DOF (Degrees of Freedom) Coefficients of Expansion (CoE)
- Correcting scaling errors electronically by changing the 1003 value on Haas controllers

Who should attend?

- College Instructors
- Industry Professionals

Next steps:

- Register to confirm participation
- Please share with college machining instructors in Florida
- Industry partners welcome—feel free to share with your network
- Let us know if you have questions or need details

Register



For more information contact Alex Wrobel at awrobel@irsc.edu or 772-462-7042

Indian River State College
Indian River State College is an SAC/OTI educational institution.

In partnership with Renishaw and HAAS, Indian River State College is hosting a two-day, hands-on training: Renishaw Process Control for Haas CNC machines. The training will be held December 4–5, 2025 at Indian River State College in Fort Pierce, FL.

The two-day workshop is completely free of charge and machining educators and manufacturers are encouraged to attend. Participants will be responsible for their own travel and lodging expenses.

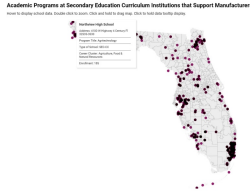
To ensure high-quality, hands-on learning, participation is limited to 15 attendees, so register early!

Register here

FLATE Resources

FLATE's Manufacturing Matters Dashboard

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



Manufacturing Matters Dashboard

FLATE Webinar Series - Watch on Demand

- Insights into the Workforce of the Future (April 2025)
- AI & Machine Learning Workshops (March & April 2025)
- Data Analytics in Manufacturing (November 2024)
- Necessary Skills Now: Resources for Integrating Employability Skills into Technical Programs (October 2024)
- Edge Computing: A Feasible & Integrated Approach to Collecting System Data
- A Universal Programming Approach for any make of Programmable Logic Controllers (PLCs)
- Best Practices for your CNC Course or Program
- Overview of AI in Manufacturing
- Overview of Teaching PLCs
- Leveraging an Open Lab to Provide Greater Access for Students in your Manufacturing Program
- 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.org



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



[madeinflorida.org](https://www.madeinflorida.org)

Florida Department of Education Resources



Florida's Workforce Education Initiative

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



Apprenticeship programs are a proven training method benefiting job seekers

quickly and affordably.

and businesses.

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