



**May 9, 2014**

**What you need  
to know!**



The webinar will begin at 11am Eastern Daylight Time.  
In the meantime we recommend you perform an Audio Check.  
Go to: Tools >Audio >Audio Setup Wizard

This webinar will be recorded for planning purposes.



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# FLATE: Florida Advanced Technological Education Center of Excellence

A National Science Foundation Regional Center



Advanced Technological Education: DUE 1204751



*Partners with Industry for a New American Workforce*



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# TODAY'S HOSTESSES



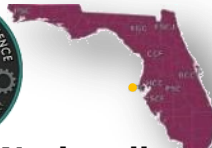
❖ **Marilyn Barger**, [barger@fl-ate.org](mailto:barger@fl-ate.org)



❖ **Desh Bagley**, [bagley@fl-ate.org](mailto:bagley@fl-ate.org)



❖ **Janice Mukhia**, [mukhia@fl-ate.org](mailto:mukhia@fl-ate.org)



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# Blackboard Collaborate Orientation



## POLLS

The screenshot shows the Blackboard Collaborate interface for a poll. At the top, there is a 'PARTICIPANTS' section. Below it, the name 'Deshjuana Bagley' is listed with the role 'Moderator'. A row of icons is visible, including a smiley face, a person icon, a hand icon, and a green checkmark icon. A green arrow points to the green checkmark icon. A dropdown menu is open below the checkmark icon, showing three options: 'Yes' (with a green checkmark), 'No' (with a red X), and 'None'. To the right of the poll, the results are shown as '✓ 1' and '✗ 0'. Below the poll, the text 'MAIN ROOM (1)' is visible. At the bottom of the poll section, the name 'Deshjuana Bagley' is listed again with the role 'Moderator (You)'. Below the poll section, there is a 'CHAT' section.



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# Blackboard Collaborate Orientation



## CHAT WINDOW

File Edit View Tools Window Help

▼ PARTICIPANTS

**Deshjuana Bagley**  
Moderator

MAIN ROOM (1)

**Deshjuana Bagley**  
Moderator (You)

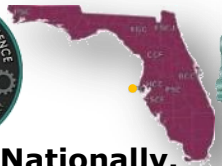
▼ CHAT

- You joined the Main Room. ( 12:01 AM ) -

- Your chat permission is off; however, you may send chat messages to moderators. ( 12:01 AM ) -

- Your chat permission has been enabled. ( 12:01 AM ) -

Deshjuana Bagley  
I have a question for Pat  
I have a question for Marilyn  
Thanks Dave, that answered my question



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# WEBINAR AGENDA



1. National Manufacturing Day Overview
2. Overview of Manufacturing Day in Florida 2013
3. 2013 Manufacturing Day Speakers Panel
4. Questions & Answers / Discussions



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# OBJECTIVES



*Participants in this webinar will gain valuable information*

1. Establish partnerships and collaborations among RMAs, colleges, manufacturers, schools, and local governments (proclamations)
2. Understand the logistics involved in coordinating MFG Day activities including surveying students
3. Work with school district personnel to match schools with companies, request transportation, and request teacher support
4. Host meaningful MFG Day events for everyone



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# TODAY'S PRESENTERS



- ❖ **Pat Lee**, Fabricators & Manufacturers Association International
- ❖ **Marilyn Barger**, FLATE / Made in Florida Tours
- ❖ **Ernie Friend**, FL State College at Jacksonville
- ❖ **Sara LeFils**, MRMA/Marion County Schools
- ❖ **Mike Ramsey**, Hillsborough County Schools
- ❖ **Dave Gonzalez**, HOERBIGER Corporation



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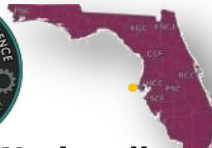
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# NATIONAL MANUFACTURING DAY OVERVIEW



- ❖ **Pat Lee**, Fabricators & Manufacturers Association International



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# MFG DAY™

10.03.14

[www.mfgday.com](http://www.mfgday.com)



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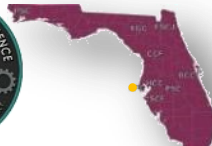


# Manufacturing Day Year 3



<b>2012 – 240 Events</b>	<b>8 in Florida</b>
<b>2013 – 832 Events</b>	<b>71 in Florida</b>
<b>2014 – Goal: 1200 Events</b>	<b>?? in Florida</b>

*Congratulations to FLATE and all of its partners  
and participating companies for outstanding  
participation in 2013!*



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# New Features for 2014



- Website updates make it more user-friendly for host companies to register events and track attendees
- New resources being created for manufacturers and guests
- New student/educator resources will include a scholarship search feature for students interested in manufacturing careers
- Continued partnership with Science Channel
- New partnership with American Made Movie
- Major market media push in September
- New invitational videos are in production



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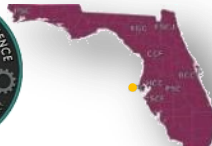
# MANUFACTURING DAY IN FLORIDA 2013



- ❖ **Marilyn Barger**, Florida Advanced Technological Education Center of Excellence



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# STATEWIDE PLANNING



- ✓ Student tours of manufacturing industries
- ✓ Open houses / college visits for everyone
- ✓ Mfg-student tour lunches
- ✓ Student t-shirts
- ✓ Surveys from students, tour hosts, educators, all
- ✓ State & regional proclamations
- ✓ Press



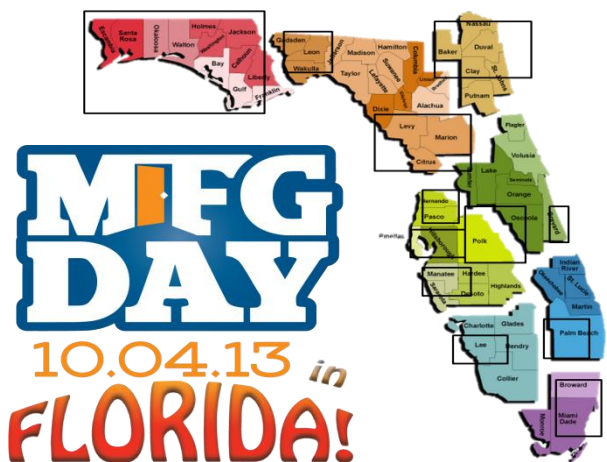
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# STATEWIDE OUTCOMES

<http://madeinflorida.org/manufacturing-day/>



**Florida Statewide Totals\***  
**24** Counties participated  
**2,331** students  
**1,391** student surveys returned  
**110** teachers  
**71** parents  
**67** Florida schools  
**225** employees from  
**72** manufacturers & colleges

*\*events that partnered with FLATE*



"It was really cool and interesting, and provided a unique experience."

Based on 1,175 individual responses, student interest in advanced manufacturing careers increased by +32.8 % statewide.

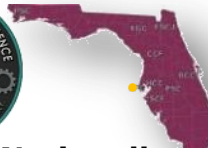
# QUESTIONS FOR:



**PAT LEE**



**MARILYN BARGER**



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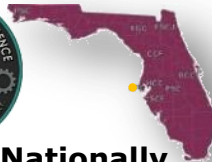


# MFG DAY 2013 PARTICIPANT PANEL

- ❖ **Ernie Friend** – Building Effective Partnerships
- ❖ **Sara LeFils** – MFG Day Logistics
- ❖ **Mike Ramsey** – School District Involvement
- ❖ **Dave Gonzalez** – Hosting Great MFG Day Events



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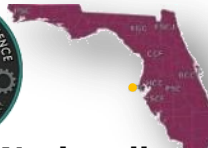
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# 2013 MFG DAY PARTNERSHIPS & COLLABORATION



❖ **Ernie Friend**, Florida State College at Jacksonville



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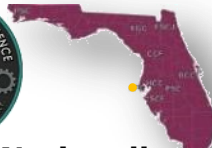
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# COLLABORATIVE EFFORT FOR MFG DAY 2013



- ✓ Strong support from First Coast Manufacturers Association (FCMA)
- ✓ Collaboration with FSCJ's TRADE grant
- ✓ Heavy involvement from local manufacturing companies
- ✓ MFG Day proclamations from Jacksonville Mayor and the Board of Commissioners of Baker, Clay, Nassau, Putnam and St. Johns counties



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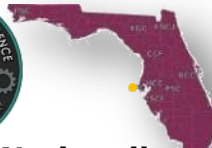
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# TEAMWORK FOR MFG DAY 2013



- ✓ 12 Manufacturing companies participated
- ✓ 420 local high school students attended
- ✓ MFG Day activities varied by type and location
- ✓ FCMA, FSCJ TRADE, and manufacturers donated money to ensure that all students had shirts and lunches



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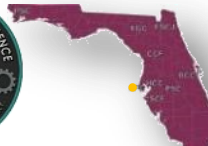
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# MFG DAY 2013

## *Companies Included:*

- Soler Palau
- Vac-Con
- Vistakon
- Johnson Controls
- JAXPORT
- Main Recycling
- Safariland
- Gerdau
- SAFT
- Boeing
- Flightstar
- FL Machine Works
- Kaman



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# PICTURES FROM MFG DAY 2013



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# 2013 MFG DAY LOGISTICS



❖ **Sara LeFils**, MRMA/Marion County Schools



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# MARION COUNTY LOGISTICS



- Getting Schools and Businesses **ENGAGED**
- Transportation – paid for by the school
- Lunch – paid for by business partners
- Shirts – paid for by Workforce & MRMA
- Surveys – distributed by coordinator
- Press – written & distributed by coordinator

<b>SPX</b>			
10:45-11:30		DHS/P2 (30)	
11:30-12	Lunch	DHS/P2 (30)	
12:15 -1 pm		WPHS (25)	
<b>Quality Banner</b>			
12:30-1:15	Lunch	MTI - Toney (20)	
1:15-2		MTI - Toney (20)	
<b>E-One</b>			
10:30 -11:15		MTI - Attenhoffer (20)	
11:15 -11:45	Lunch	MTI (20) & FHS (10)	
12:15 - 1:15		FHS (10)	
<b>Winco</b>			
10:30 -11:15		DHS (40)	
11:15 -11:45	Lunch	DHS (40)	
12:15 - 1:15		DHS/P2 (30)	
<b>Closetmaid</b>			
10:15-11:15		WPHS (25)	
11:15-12	Lunch	WPHS (25)	
<b>Townley</b>			
Thursday		BHS (12)	
<b>Training Unit at CF</b>			
10:30-11		FHS (10)	
11:30-12		MTI - Toney (20)	
12-12:30		MTI - Attenhoffer (20)	
12:30-1		DHS (40)	

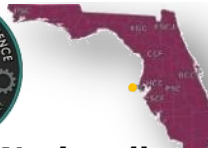
<b>Pathways 2 Prosperity group (DHS)</b>			
10:45-11:30		SPX	
11:30-12		Lunch at SPX	
12:15-1:15		Winco	
<b>Dunnellon High School</b>			
10:30-11:15		Winco	
11:15-11:45		Lunch at Winco	
12:30-1		tour the welding	
<b>MTI- Attenhoffer</b>			
10:30-11:15		E-One	
11:15-11:45		Lunch at E-One	
12-12:30		tour the welding	
<b>MTI- Toney</b>			
11:30-12		tour the welding	
12:30-1:15		Quality Banner	
1:15-2		Lunch at Quality B	
<b>West Port High School</b>			
10:15-11:15		Closetmaid	
11:15-12		Lunch at Closetm	
12:15-1		SPX	
<b>Forest High School</b>			
10:30-11		tour the welding	
11:15 -11:45		Lunch at E-One	
12:15 - 1:15		E-One	

## Shirts

	Total	Small	Med	Large	XL	XXL	XXXL
FHS Michael Murray	12	0	5	6	1	0	0
WPHS Jim Hickman	26	4	14	4	3	1	0
MTI Dale Toney	20	3	12	2	1	1	1
MTI Attenhoffer	21	1	8	8	3	2	0
DHS Don Slocum	40	7	21	3	6	3	1
P2- Carol Mack-							
DHS Harrell	35	7	18	8	4	0	0
BHS Jeff Dofing	13	2	8	3	0	0	0
	167	24	86	34	18	7	2



# SUCCESSFUL MFG DAY RESULTS



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# SURVEY RESULTS PROVE SUCCESS



✓ FLATE compiles student survey results and shares statewide comparison data with regional partners



Post-Visit Survey – FLATE Advanced Manufacturing Tour  
Thank you for joining our tour today!



Please tell us something about yourself:

Male  Female  Grade in School: \_\_\_\_\_

Ethnicity: Asian  Black  Hispanic  White  Other \_\_\_\_\_

Instructions: Read the statements carefully. 1) is a short answer question.  
Please indicate your level of agreement with each statement by circling the appropriate number.

- 1 = Strongly Disagree (No)
- 2 = Disagree (No)
- 3 = Agree (Yes)
- 4 = Strongly Agree (Yes)

1) What did you like most about this tour? (Please write at least two sentences and use the back of this page if needed.)	
1 2 3 4	2) Before going on this tour, I had not considered a career in advanced manufacturing.
1 2 3 4	3) Today I learned about technologies used in advanced manufacturing industries.
1 2 3 4	4) I learned something new and interesting about manufactured products.
1 2 3 4	5) The tour made me think about careers in advanced manufacturing.

### Manufacturing Day 2013 State and Regional Totals

<b>Statewide Totals:</b>	<b>23 Counties participated</b>	<b>1,175 Student Surveys Collected Statewide</b>
2,307 Students	110 Teachers	66 Parents
67 Florida Schools	225 Manufacturing Employees	71 Manufacturers and Colleges

Based on individual student responses, student interest in advanced manufacturing careers increased by +32.8% statewide.

FLATE Student Survey Questions	State Averages (n=1175)	Marion County Averages (n=119)
2. Before going on this tour, I had not considered a career in advanced manufacturing.	2.5	2.8
3. Today I learned about technologies used in advanced manufacturing industries.	3.5	3.6
4. I learned something new and interesting about manufacturing products.	3.5	3.6
5. The tour made me think about careers in advanced manufacturing.	3.4	3.1
6. The tour helped me understand how STEM subjects learned in school (science, technology, engineering and math) are put to work in advanced manufacturing industries.	3.2	3.4
7. This tour gave me new information about careers in advanced manufacturing.	3.4	3.5
8. After taking this tour, I think I will consider a career in advanced manufacturing.	2.7	2.8
9. I would recommend that other students have the opportunity of this tour.	3.6	3.7

492 Students participated in manufacturing day tours in the Marion County Region

#### Sample student comments:

I personally enjoyed watching the process of creating a part by way of casting. The way the molten melt flowed and formed was awe inspiring.



# SCHOOL DISTRICT INVOLVEMENT IN MFG DAY



❖ **Mike Ramsey**, Hillsborough County Schools



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# SCHOOL DISTRICT INVOLVEMENT IN MFG DAY



## How does Manufacturing Day benefit School Districts

- CTE/ACT/CAPE programs and teachers can build on-going relationships with manufacturers, colleges, and government officials
- Tours and open houses allow teachers to connect the dots for students between classroom instruction and industry uses
- Students can explore careers in manufacturing



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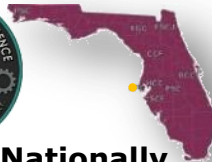
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# SCHOOL DISTRICT INVOLVEMENT IN MFG DAY



## What can School Districts offer

- Typically Career and Technical Education personnel are the best contacts for MFG Day coordination
- District personnel can provide information about schools for best matches with industry hosts
- District personnel can arrange and provide bus transportation and substitute teacher compensation
- District personnel can arrange additional press releases for MFG Day events

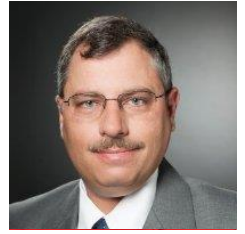


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# HOW TO HOST A GREAT MFG DAY EVENT



❖ **Dave Gonzalez, HOERBIGER Corporation**

# HOW TO HOST A GREAT MFG DAY EVENT



- Open the doors to your future workforce
- Involve the whole company for maximum impact
- Host tours for students during the day or host open houses for adult workers at night
- Invite government officials and manufacturing associations to attend the tour / open house
- Review the pros and cons of partnering with another manufacturer to host students



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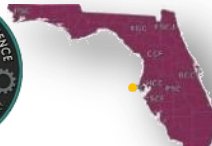
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# HOW TO HOST A GREAT MFG DAY EVENT



- Prepare a short (5-10 minute) overview of what the company manufactures and how the products are used
- Show examples of products that are manufactured
- Organize students in small groups (6-8 students per group) to tour the facility
- As students rotate, each station should show a part of your company's manufacturing process

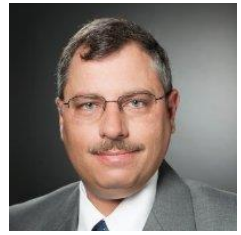


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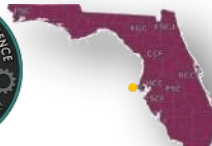


# HOW TO HOST A GREAT MFG DAY EVENT

- Choose tour guides and station leaders that are engaging and loud enough to be heard by students
- Discuss careers, education, and technical skills needed for various jobs in your company
- Provide lunch and special giveaways (t-shirts, flash drives, etc.)
- Distribute and collect surveys before students leave



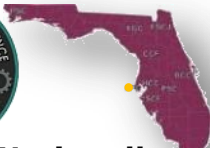
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# HOW TO HOST A GREAT MFG DAY EVENT



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# QUESTIONS FOR: PARTICIPANT PANEL



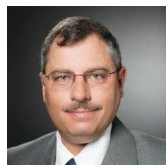
❖ **Sara LeFils**, MRMA/Marion County Schools



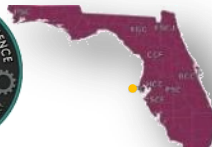
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❖ **Mike Ramsey**, Hillsborough County Schools



❖ **Dave Gonzalez**, Hoerbiger Corporation



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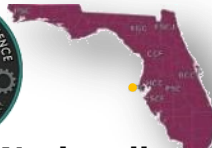
MFG DAY in FL  
Webinar  
May 9, 2014

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# TODAY WE LEARNED ABOUT:



1. The national effort for Manufacturing Day and why it's important
2. The 2013 statewide MFG DAY activities in Florida
3. Logistics for regional implementation and partnerships in Florida in 2013
4. Additional ideas for having and measuring impactful events in 2014
5. How all parties can participate in MFG Day 2014



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# PREPARATION FOR 2014

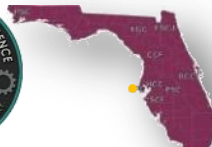


A follow up email will be sent to everyone who pre-registered on survey monkey for this webinar. The email will include:

- a link to the recording of this session
- links to the websites that were mentioned
- a link to this power point presentation on FLATE's wiki site
- a timeline for next steps to prepare for Florida's Statewide MFG Day 2014



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**JOIN US!**

**MFG DAY**

10.03.14

**in FLORIDA!**



# MFG DAY in FL Webpage

<http://madeinflorida.org/manufacturing-day/>

# MFG DAY sign up link

<http://www.surveymonkey.com/s/WR8NBBT>

**THANK YOU** for attending our webinar  
"Manufacturing DAY in Florida 2014 – what  
you need to know"

**The FLATE team**



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