

Welcome!

FLATE INDUSTRIAL ADVISORY COMMITTEE

Meeting #31

**Micro-Lumen
Oldsmar, FL**

**WEDNESDAY, SEPTEMBER 17, 2015
4:30 – 6:00 PM
6:00 COMPANY OVERVIEW & TOUR**



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September 2015

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Welcome and Overview MicroLumen

Introductions

FLATE Overview

Education Trends & FETPIP Data

Smart Grid Technicians

Manufacturing Day 2015 & summer camps

FLATE Awards transitioning

Stakeholder survey 2015

Manufacturing Association and FL TRADE Updates

Activity – Technology Specializations

Next Industrial Advisory Committee meeting

Thursday, January 14, 2015 @ Lake Sumter State College

MicroLumen Tour

Wrap up and Adjournment

Vision



FLATE will be Florida's leading resource for education and training expertise, leadership, projects, and services to promote and support the workforce in the high performance production and manufacturing community.

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FLATE goals

GOAL 1. To ensure that FLATE's mission is **sustained**.

GOAL 2. To implement a statewide unified **education system** for manufacturing that positions manufacturing education as a convergent curriculum that optimizes technician preparation in manufacturing and its enabling technologies.

GOAL 3. To provide an effective **outreach platform** for Florida's high school, community college, industry, and legislature to access information related to the requirements for and impact of manufacturing education.

GOAL 4. To present **professional development** opportunities for technical faculty to develop, refine or certify their knowledge base within manufacturing and/or its related enabling technologies and educational pedagogies.



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NSF Advanced Technological Education

ATE CENTERS



www.atecenters.org

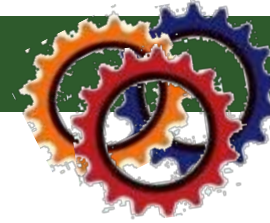
Partners with Industry for a new American Workforce



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Outreach



Curriculum Reform



Professional Development



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FLATE Updates



FLATE Updates

- ET College View Books & ET Degree updates; ET Forum; Curriculum Framework review
- Machining curriculum frameworks update
- Status of international student internships
- MFG DAY 2015 (www.madeinflorida.org/manufacturring-day/)
- Summer camp partners – all over Florida
- Student outreach & educator PD

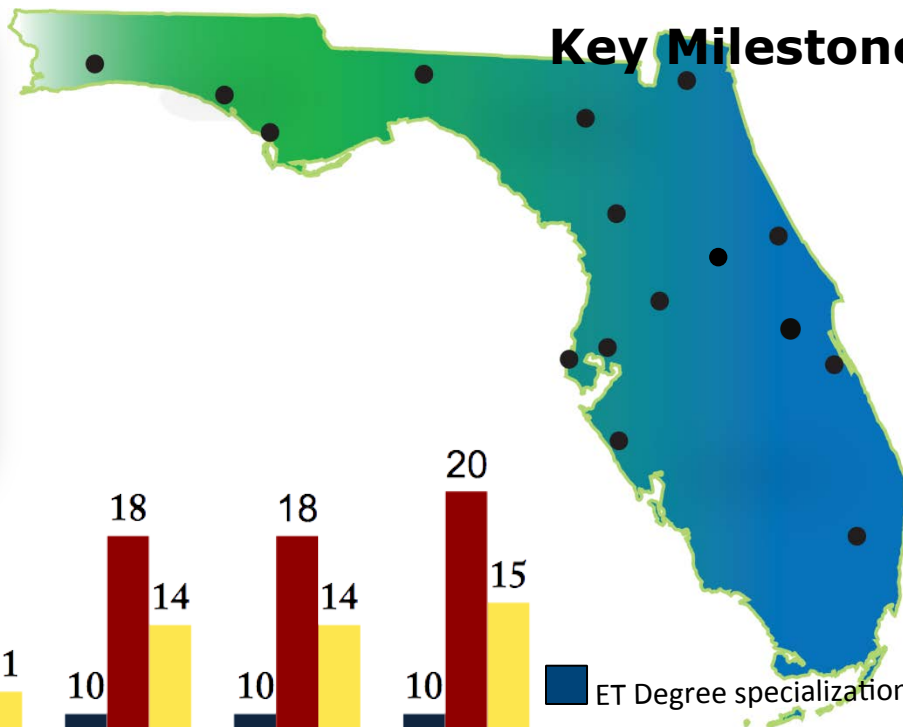


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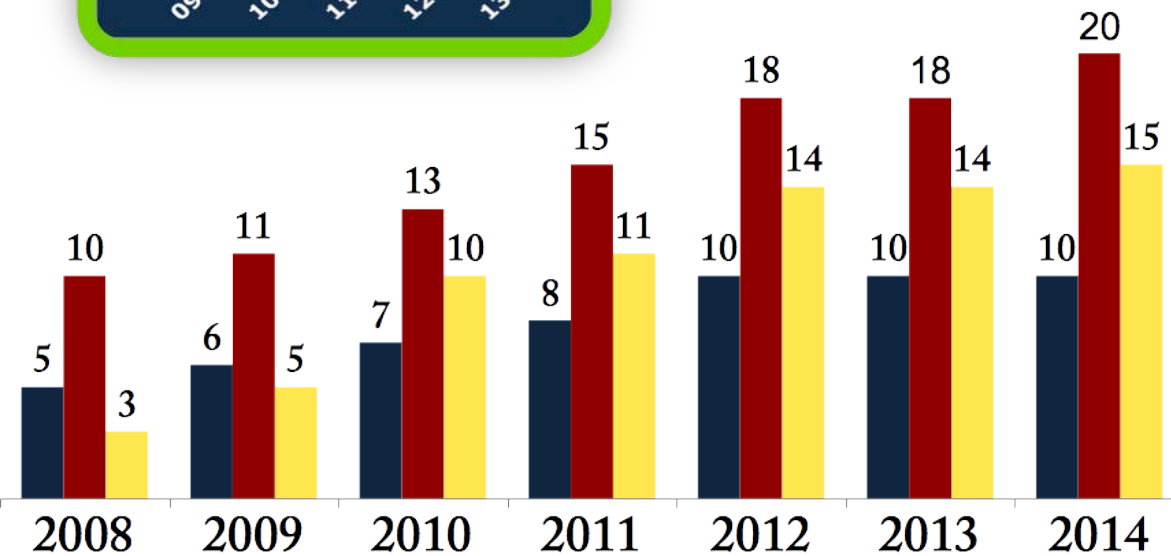
Engineering Technology A.S. Degree



Key Milestones 2008 - 2014

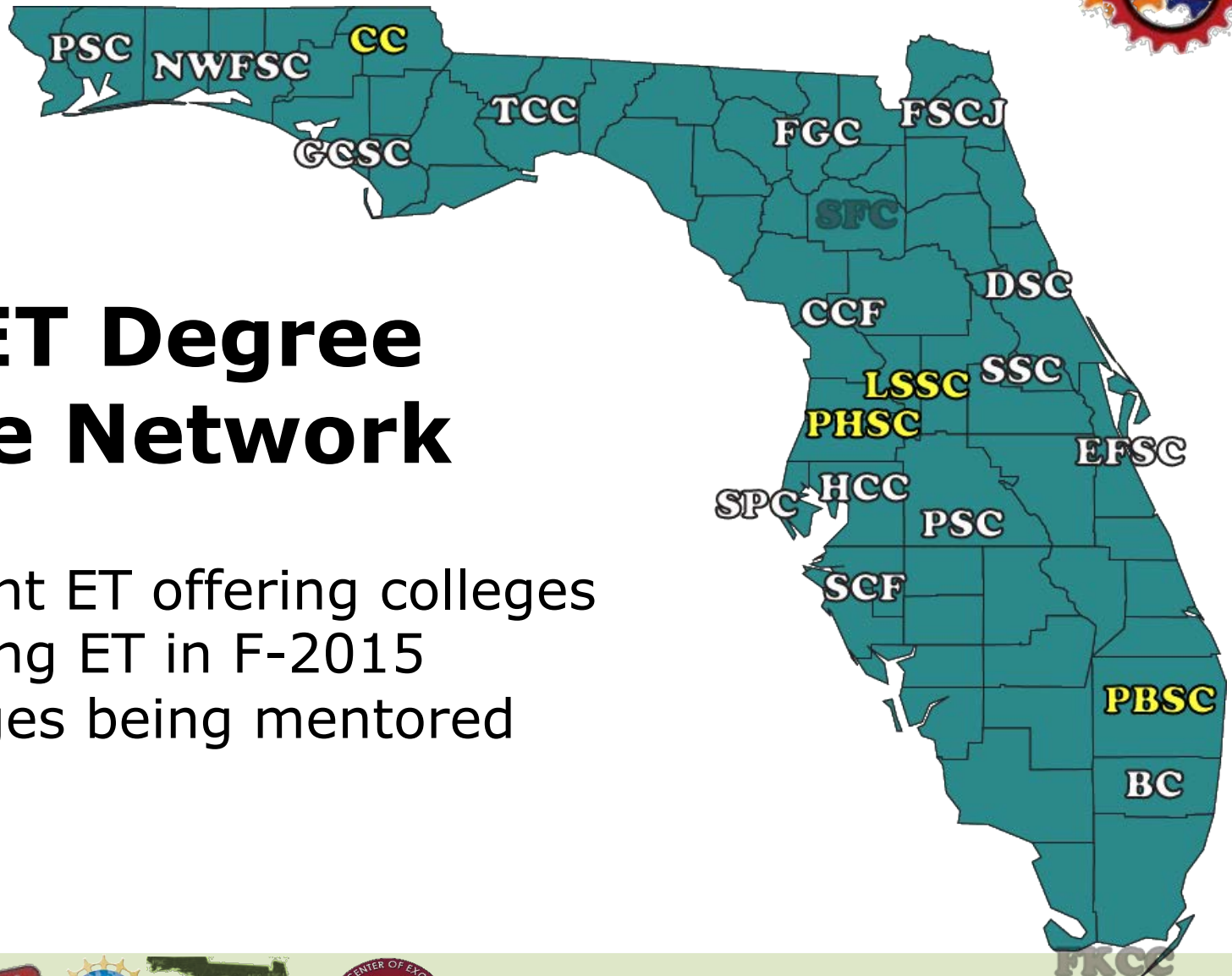
• Indicates the locations of colleges offering the ET Degree Program

- Broward College
- Central Florida College
- Daytona State College
- Eastern Florida State College
- Florida State College at Jacksonville
- Florida Gateway College
- Gulf Coast State College
- Hillsborough Community College
- Northwest Florida State College
- Pensacola State College
- Polk State College
- Seminole State College
- State College of Florida - Manatee
- St. Petersburg College
- Tallahassee Community College



- ET Degree specializations
- ET Degree college credit certificates
- Colleges offering ET Degree







A.S. Engineering Technology





A.S. Engineering Technology

VERY IMPORTANT!!!



FLORIDA DEPARTMENT OF
EDUCATION
fldoe.org

Curriculum Framework Review

- Legislatively mandated tri-annual review
- Managed by the Adult & Career Education Division of FLDOE
- Requires over 50% industry participants
- Updates KSAs (knowledge/skills/abilities) in the ET degree program)



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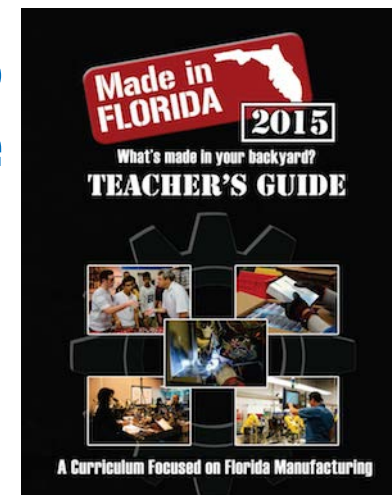
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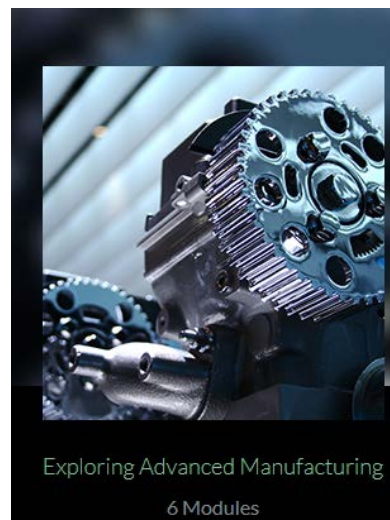
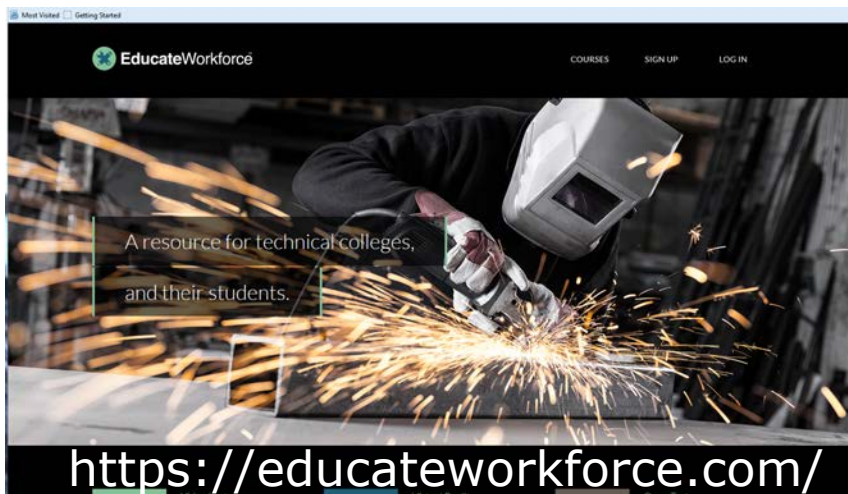
NEW!!

Manufacturing Educational Resources

“Made in Florida” 2015 Video Teacher Guide



“Exploring Advanced Manufacturing” FREE 6 module online course + e-book



In partnership with
CAVES



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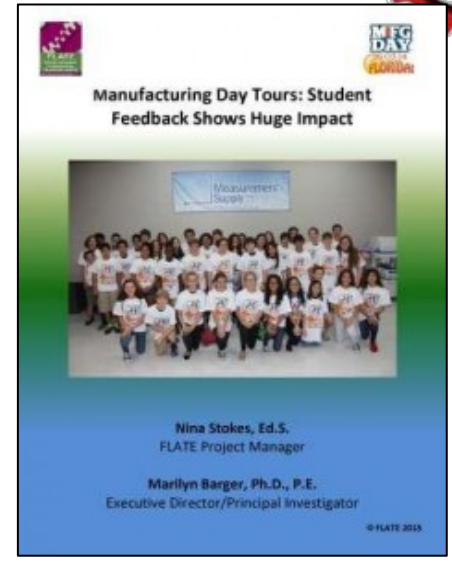


MFG DAY/Month in FLORIDA!

“Manufacturing Day Tours: Student Feedback Shows Huge Impact”

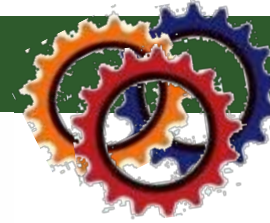


Manufacturing Day Poster



Manufacturing Day T-shirt





LEGO MINDSTORMS Education EV3

2015

ROBOTICS CAMPS



@ HCC Brandon

- Intro Girls
- Intro Boys & Girls
- Intermediate
- High School-engineering



- 2015 Locations:**
- Ocala
 - Sarasota
 - Palm Beach
 - Crystal River
 - Pensacola
 - Lake City
 - Jacksonville
 - Leesburg



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Coming soon!

FLATE's bi-annual Stakeholder Survey

*Your chance to tell FLATE how we are doing
and what you might like to see us do.*

Email survey link will come for Phil.Centonze@pos-impact.com



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The background features abstract, overlapping geometric shapes in various shades of green, ranging from light lime to dark forest green. The shapes are primarily triangles and polygons, creating a dynamic, layered effect. The overall composition is clean and modern, with the text centered in the white space.

FLATE Bi-Annual Stakeholder Survey

2015

Purpose

- ▶ Collect data and feedback to:
 - ▶ Monitor stakeholder satisfaction
 - ▶ Judge stakeholder perceptions
 - ▶ Identify improvement opportunities
 - ▶ Identify new program opportunities

2013 Stakeholder Survey

- ▶ 2423 emails - 301 respondents (12.4% response rate)
- ▶ Mostly Post-Secondary & K-12 Educators/Administrators (over 70%)
- ▶ Other Stakeholders including
 - ▶ Business/Industry, Workforce/Economic Dev, FL DOE & Government, Educational Suppliers/Vendors

2013 Results

- ▶ Easy access to FLATE staff & products
 - ▶ 80% agreement, down
 - ▶ 7% disagreement, up
- ▶ Usefulness of FLATE-provided PD activities
 - ▶ 67% agreement, about the same
 - ▶ 3% disagreement, down
- ▶ Usefulness of FLATE-provided PD activities
 - ▶ 67% agreement, about the same
 - ▶ 3% disagreement, down

2013 Results

- ▶ Usefulness of curriculum initiatives
 - ▶ 49% agreement, down
 - ▶ 3% disagreement, down
- ▶ Usefulness of curriculum materials
 - ▶ 51% agreement, down
 - ▶ 4% disagreement, down
- ▶ A number of written comments made substantiating the quantitative results

Sample of FLATE Actions

- ▶ Outreach efforts redoubled particularly noted with MFG Day activities, collaboration and communication with industry & RMAs, increased adoptions of ET Program
- ▶ Increased hours and targeted PD activities
- ▶ Additional curriculum specializations

2015 Survey

- ▶ Targeting this week
- ▶ Survey Monkey link to about 1500 potential respondents in same demographic groups
- ▶ 3 Week window to respond
- ▶ Analysis of data & comments - External Evaluator
- ▶ Review of results & action planning - FLATE Leadership Team
- ▶ Report to IAC, NVC, NSF; Results & analysis accessible to stakeholders on the FLATE website

Sunday

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

SEPTEMBER

13	14	15	16	17	18	19
					18	X
20	21	22	23	24	25	26
X	X	X	X	X	X	X
27	28	29	30			
X	X	X	X			
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday

OCTOBER

				1	2	3
				X	X	X
4	5	6	7	8	9	10
X	X	X	X	X	9	
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

2015 OPEN Dates



International Internship Program

Supporting Engineering Technology & Manufacturing in Florida!

PROGRAM UPDATES

6-12 months Internship 100% financed by the Basque Government (Spain).

- **April 2015**: Host companies complete placement forms for "Global Training" internships. HeatPipe/ MiTEck
- **September 2015**: Selection of candidates by GT.
- **October 2015**: Matching process & interviews by FL Host company. Complete paper work (visa forms)
- **Nov-Dec. 2015**: Logistics, housing etc.
- **January, 2016**: Internships begin



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Exploring Educational Exchange in Slovenia

Supporting Engineering Technology & Manufacturing in Florida!

**Global
Business
LogistiX**

Think Local ~ Act Global
eXceptional Project Leadership
Trade • Industry • Education • Workforce

- SEPT 2:** Meeting with the American Embassy
- SEPT 3:** Meeting with the ministry of Education & Slovenia universities, colleges
- SEPT 28:** Follow up Skype call for next steps



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More International Partnerships

Supporting Engineering Technology & Manufacturing in Florida!



Summers: 4 years of hosting summer interns at FLATE Robotics Camps & invited talks



JAN 10: Invited presentation at Council of community Colleges of Jamaica Conference



OCT 13: Visit FLATE Deputy Director of Articulation & Academic Vice-Rectorry Department from Santiago, Chile

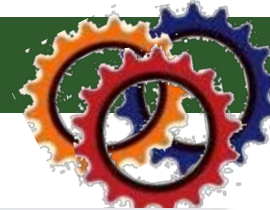
JUN 2016: Host Bahamian HS students for robotics



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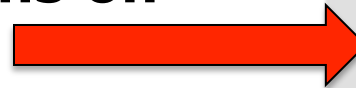
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Coming Soon! 2015-16 Nominations

- look for these icons on www.fl-ate.org
- submit nominations online



FLATE - Florida Advanced Technological Education Center

Industry Honors & Professional Recognition Program

2014




[Awards Timeline](#)

April 2014 – Criteria published and nominations open at www.fl-ate.org/awards

August 31, 2014 – Nominations Close

September 2014 - Award elections are made by FLATE IAC award subcommittee, followed by review and approval by the FLATE Executive Committee.

October 2014 - Award recipients and principal nominators are notified of their selection.

November/December 2014 - Awards presented during the Manufacturers Association of Florida (MAF) Annual Manufacturers Summit and Global Marketplace.

Awards Timeline

NEW!!

December 2015	Nominations open
May 2015	Nominations close
June 15	Winners announced
July 2016	Awards ceremony @ FACTE Conference



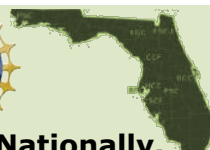
FLATE – FACTE Awards Program Transition Analysis & Recommendations

• Recommendations

- Recommendations – Timeline / Who Owns Process / Actions
- Pending Actions
- Budget

• Analysis

- FLATE / FACTE Organizational Background
- FLATE / FACTE Current Award Processes
- Websites
- eNewsletters
- Social Mediums
- Stakeholders / Members / Advisory Boards
- Sponsors
- Budget





Manufacturing Association and FL TRADE Updates

Tina Brudnicki



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Activity – Engineering Technology Specializations

BRAD JENKINS



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New Business Open Forum Action Items?

Tina Brudniki



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Next Meeting!



Lake Sumter
State College



Thursday
Jan 14, 2016

**Lake Sumter
State College,
Sumterville**

***Electrical Substation & Power
Distribution Program***



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