



## MEETING SUMMARY

### **FLATE INDUSTRIAL ADVISORY COMMITTEE**

#### **ST. PETERSBURG COLLEGE**

**Clearwater Campus  
Teaching Auditorium  
2465 Drew St.  
Clearwater, FL 33765**

**JOINT MEETING with the  
SPC Engineering Technology & Building Arts Advisory Committee**

**Thursday, January 21, 2010  
4:30 – 6:30 PM**

#### **FLATE Participants**

Members Present: Drew Hoff, Mark Snyder, Adrienne Gould-Choquette, Ernie Helms, Tina Brudnicki, Mark Gaudio, Mark Ericksen, Alex Anzalone, Andy Holloway.

Member Call-ins: Ed Niespodziany, Bruce Driggett, Nancy Stephens

FLATE and HCC members: Marilyn Barger, Richard Gilbert, Brad Jenkins, Kim Wilson, Dave Gula, Lourdes Fleurima, Marie Boyette, Janice Mukhia, Jody Sutton.

Members Excused: JoAnne Larsen, Peter Straw, Steven Meitzen, Wende Huehne-Brown, Meer Almeer, Ruly Lopez, Ernie Friend, John Debella, Stan Sidor, Sherry Reeves, Chet Sadler, Idelia Phillips, Patti Gander, Leigh Haller, Eric Dickinson, Carlos Soto, Ginger Clark, Eric Owens, Don Gugliuzza, Denise Sanderson.

#### **SPC Advisory Participants**

Members Present: Lou Grilli, Ellis Rue, Ken Conforti, Don Houdek, Bill Venz, Bob Hudson, Lisa Maciolek, Ed Homan, Marcus Heiler, Tina Brudnicki, Mark Snyder.

Member Call-ins: Bill Venz, Matt Smith, David Reese, Randy Swanson

Members Excused: Joe DiPasqua, German Jaramillo, John DeBella, Keith Matthews, Greg Seay, Jim Bittner, Rodney Fischer, Johnny Moore, Ned Stacy, Frank

Cain, Jack Tremblay, Maryanne Litteri, Roger Harvey, Clint Mells, Steve Askew, Ellis Rue, Debra Jaramillo, Bill Erdmann,

Special Guest: Stan Vittetoe, Provost, Clearwater Campus and Vice President of Workforce & Continuing Education, St. Petersburg College.

### **SPC and Clearwater Campus Welcome:**

Brad Jenkins introduced Dr. Stan Vittetoe, VP and Provost of the Clearwater who welcomed everyone to St. Petersburg College and thanked them for their support of both FLATE and the help they provide as advisory committee members. Brad also remarked that this meeting was unique in that this Joint Advisory Committee agenda will cover both groups and work back and forth on the agenda items. This format provides an opportunity for both committees to see what the different topics and concerns are that each group is focused on.

### **Introduction of Committee Members and Guests:**

Mark Snyder welcomed the advisory members, the call in members, and guests to the FLATE IAC Joint Meeting with the SPC Engineering Technology & Building Arts Advisory Committee. The Adobe Connect conference call connection was provided by HCC for those members calling from around the state.

### **Old Business:**

Marilyn Barger reported on the review of the current industry certifications and what recommendations that the IAC would make for additional certifications that are being used by industry. The members were able to identify those certifications that would be compatible with the engineering technology certificates. Marilyn reported that she is looking for additional data using the college program advisory boards to add to that listing. The list will be sent to all members.

Ernie Helms reported on the progress of the action items from the Stakeholders Summit that was held over a year ago and remarked that the Banner Center for Manufacturing is now housed at Polk State College and Eric Roe is the Director. Ernie remarked that one of the Banner Center IAC objectives is to reach out to industry as part of their strategic planning initiative. To bring these groups closer together a member of the Banner Center will serve on the FLATE IAC and a member from FLATE will be on the Banner Center Advisory Committee.

Richard Gilbert reported on Science Technology Engineering and Mathematics (sTEM) at Work that the funding from the National Science Foundation (NSF) and other funding sources are not going to the technology and engineering related projects, but to the science and math projects. The state of Florida Department of Education (DOE) money needs to go to the Technology and Engineering part of sTEM as well as than math and science.

### **A.S. Degree Enrollment and Graduate Report:**

Marilyn Barger and Marie Boyette presented the enrollment and graduate statistics from DOE, for the Engineering Technology and Related Technology certificates and degrees from 2008-2009. Total program enrollment is 4,458 with 178 in certificates. There were 531 associate degree graduates and 202 certificate graduates. There are now 10 colleges that are offering the Engineering Technology program in the state with 5 degree specializations. 3 additional specializations will be approved for 2010 in Alternative Energy Systems, Biomedical Systems,

and Digital Design and Modeling. There are also 10 college credit certificates with 4 additional certificate approved for 2010.

### **SPC - Course Enrollment and Graduates:**

Brad Jenkins presented SPC's graduate data for the year 2009 and it included 33 AS degree graduates with 82 students receiving their certificates. He reported that the spring enrollment 2010, for engineering technology, has increased 7% from spring of 2009. Brad also reported on the new energy related course now offered through the Building Arts program. The enrollment was 22 in the Introduction to Solar Energy for Residential Design this past fall, with 20 enrolled this spring in the Energy efficiency for Buildings and 13 in Environmental Technology.

### **Report on BSET degree at Daytona State College:**

Brad Jenkins reported that the BSET degree has been relocated from the University of Central Florida (UCF) to Daytona State College this spring. The faculty from UCF will not be working for Daytona. Ed Niespodziany, Central Florida Community college reported that he has 43 students in the ET program.

### **Energy Framework and Curriculum :**

Marilyn Barger reported that the new Alternative Energy System Specialization frameworks were being submitted to the state this spring. Along with the specialization, there is also a 15 credit hour certificate in Alternative Energy Specialist. These will be available for colleges to adopt for the new 2010-2011 academic year.

### **SPC - Curriculum Proposals from this past fall and spring sessions:**

Brad Jenkins presented the two new courses being offered this year to the committee; ARC 2180 Digital Design and Fabrication Course and EGS 1001 Introduction to Engineering. The ARC 2180C was approved by the committee last year and the committee needs to approve the EGS 1001 course at this meeting. As an action item, the advisory committee gave the recommendation for this new course through a show of hands.

### **National Visitation Committee Meeting:**

Richard Gilbert reported that this meeting will be held at Valpak Manufacturing here in St. Petersburg, January 28-29. This committee serves as a reporting tool for the NSF.

### **SPC Updates:**

Brad Jenkins provided the updates on the action Items from the May 26, 2009 meeting, the development of a new certificate, the articulation with local high schools, and the update on grants.

1. The department's webpage has been developed, under the Clearwater Campus site, on the SPC website and additional corrections and additions are being made to include and highlight the activities with the new projects that are underway in the Building Arts, Architecture, and Engineering Technology areas. Brad is arranging for another meeting with the web designer.
2. The department will investigate the possibilities of providing dual enrollment classes to the students of Dunedin High School during this spring session and the department met with Osceola HS and reviewed their new engineering academy curriculum and will award 6 credit hours toward the ET degree.

3. The Engineering Technology and Building Arts Advisory Committee expanded the membership this spring.
4. The department is developing a new certificate in rapid prototyping and will send information out to the advisory members for comments and suggestions.
5. Grant Information:
  - The Medical Devices Industry Education Consortium (MDIEC) has applied through the NSF for a planning grant to establish a National Center for Medical Devices. The announcement for this grant will be later this spring.
  - The Bimolecular Identification and Targeted Therapeutics (BITT) grant received a continuation through December 2010 and the department will be researching the Nanotechnology needs for the biotechnology and medical devices companies.

### **FLATE Updates:**

#### **Outreach Activities:**

Dave Gula presented information on the three Lego Mindstorms Summer Robotics Camps that was conducted this summer at the HCC Brandon Campus. Dave also indicated he would like to set up a robotics camp at St. Petersburg College. Ed Niespodziany visited the camps this summer at HCC and mentioned that he is in the preliminary stages to run two summer camps in July at CFCC.

#### **Partner Projects:**

BITT – Kim Wilson reported that the survey for the biotechnology industry was completed in July 2009 and that HCC now has a A.S. degree in Biotechnology offered at the Brandon Campus with a beginning class of 23 students. This program was a direct result of the funding from the BITT grant.

Hi-TEC Conference – Marilyn Barger provided information on this Technology Conference that is coming to Orlando and the state of Florida for the first time, July 26-29, 2010. Marilyn reported that we will have a Florida Showcase with an industry panel so the participants can meet the community college leaders and interact with the Florida industry.

Engineering Technology Forum - will be held at the Florida State College at Jacksonville, April 22-23. Brad Jenkins will be sending out the first announcement concerning the Forum later in February.

### **New Business:**

Industry Liaison for FLATE – Marilyn Barger reported that with the 5<sup>th</sup> year in existence for FLATE, the size of the geographical region has changed and we need to expand to other parts of the state, not just the central Florida region.

Marilyn said that we need to really hire someone, with industry experience, to go out to the schools and colleges and visit with the regional manufacturing associations (RMAs). We also need to get industry into the schools so they can promote manufacturing.

Tina Brudnicki suggested that perhaps a visit to one of the SME Chapter meetings, held in the south part of the state, would help to make that part of the state more aware of FLATE.

Ernie Helms remarked that FLATE could piggyback with the Manufacturers Association of Florida (MAF) to work with the SMAs and also perhaps get involved with the educational outreach programs, career academies, and other engineering associations. After some additional discussion on this subject, it was decided that this is a major action item for FLATE.

Nancy Stephens, Executive Director, Manufacturers Association of Florida, provided an update on the MAF agenda for this year that includes working closely with the state in education issues, especially in workforce training and certification.

Adrienne Gould-Choquette, from the State College of Florida -Manatee-Sarasota, reported that she is offering the Industrial Safety course, for the first time on-line with an enrollment of 26 students. The response from industry has been very good for her program. She also made the offer to hold the next FLATE IAC meeting at the Manatee Campus

Marilyn Barger reported that the Florida Trend NEXT magazine Advertorial for 2010 will be only one page, and she is looking for sponsorship. Distribution to all high schools in Florida is approximately 700,000 copies. The data is captured by zip code and this information is forwarded from FLATE to the various technical schools and colleges by zip code for targeted recruiting as well as responding to each student requesting information.

Marilyn also provided copies of the new release of the “Made in Florida” DVD to all FLATE IAC members.

**Date for next Industrial Advisory Meeting:**

**Thursday, May 6, 2010, 4:30-6:30 pm, Hoerbiger Corporation of America, 3350 Gateway Drive, Pompano Beach, 33065.**

Mark Snyder thanked all the FLATE IAC and SPC advisory members, along with the participants on the Adobe Connect for their support. The meeting was adjourned at 6:20PM.

Respectively submitted,

Brad Jenkins