

**College of Engineering & Computer Science
Dean's Fall Industrial Advisory Board Meeting
HEC101**

Saturday, November 14, 2015

Members Present: Siva Banda, David Bettner, Sharon Bauer, Nancy Clutts, Paul Grimes, Chuck Hardison, Ian Ippolito, Gregg Melanson, Craig Miller, Ben Patz, Jeffrey Pridmore, Zachary Quandt, Mike Sarpu, Beverly Seay, Pat Simpkins, Jeff Snyder, Sonserae Toles

Members Absent: James Brown, Kamran Cheema, Christos Christodoulou, Tim Cowan, Carol Craig, Brian Crutcher, Carl D'Allessandro, Greg Hanson, Philip Holt, Chester Kennedy, Dennis Lind, William Miller, Massoud Moradi, Leila Nodarse, Vinod Philip, Arun Ramaswamy, Dan Rini, Oscar Rodriguez, Jennifer Szaro, Eric Singleton, Tim Yang

Ex-Officio Present: Michael Georgiopoulos

Guests Present: Kara Colangelo, Brian Fitzgerald, Waldemar Karwowski, Tim Kotnour, Ranganathan Kumar, Gary Leavens, Yoav Peles, JC Perez, Charles Reilly, Robin Knight, Michael McLaughlin, Kimberly Lewis, Kate Hurt, Everett Tackett, Zhihua Qu, Nicole Huie, Jiyu Fang

Minutes: Deb Williams

Welcome, Introductions (Bev Seay)

Welcome to everyone with special introductions by our new board members, Mike Sarpu, Chuck Hardison, Gregg Melanson, Paul Grimes, and Ian Ippolito

1...Eli2/Employability Briefing (Kotnour, Perez, Toles, Colangelo)

Kotnour gave an update about what has happened within eli2 since the last meeting. He spoke about the "pipeline" challenge of increasing the inflow of students, increasing retention and ownership and enhancing the quality of eli2. eli2 needs to work on the portfolio and communicating the information to the students.

JC Perez shared his experiences with eli2 and the positive impact it has had on his career/life.

Toles spoke on: CECS Employability Project and Development Circles.

1. The Employability Project is a pilot program to ensure that CECS students are competent to enter industry upon graduation from UCF. Fifty students and thirteen facilitators signed up to participate. Students self-assess and decide what skills they need to work on within a small group led by an industry facilitator. At the end of the program, students will again self-assess and provide feedback about the program.
2. Development Circles are designed to support the professional development of employees that high have high potential of professional ascent within an organization. It

enables these employees to receive development support and guidance from leaders with similar backgrounds. A similar program will be adapted for CECS.

DISCUSSION: Points were introduced about the need to not only focus on the soft skills, but also re-address the technologically sound commitment eli2 has made about CECS student graduates. This would reaffirm the commitment to the core technical skills that each engineering/CS graduate must have to succeed in industry, primary the skill of solving real-world problems.

TODO: Extend the development circle program to student club leadership. Initiate a new committee to address the enhanced development of technical skills of all CECS students.

NEEDS: Volunteers from industry are needed to provide/lead efforts in both programs (Sarpu, Simpkins and Toles volunteered.)

2....Advancement Progress Report

95% of the board has made either personal or business contributions to the college. Thank you. Last year, the college raised \$10M in philanthropy. Since July, the college has raised \$6.5M. The goal for the university in the UCF Campaign (by end of 2018) is to raise \$500M total, of which CECS's goal is \$29M. This goal will likely change to more accurately represent CECS' resource needs and potential related to the many new initiatives under way (e.g., the Faculty Cluster Initiative by the Provost; CECS is leading three clusters, participating in all six).

3...Business Higher Education Forum (BHEF) (Fitzgerald)

BHEF's Brian Fitzgerald talked about some of the activities that BHEF is involved with, such as: (a) addressing workforce shortages in high-skill, high-demand fields (e.g., cyber-security, data science), (b) creating the appropriate curricula and co-curricular activities to produce these high-deman, high skilled graduated, (c) connecting all stakeholders with each other.

TODO: Meet with key stakeholders in industry and BHEF to address the need for new curriculum and focus on cyber and data science and analytics.

NEEDS: how do we create new opportunities for our students based upon the needs of industry?

4...Evaluation and Proficiency Center (DeMara)

The purpose of the center is to pursue electronic evaluation of students' work to help attain increased learning for our students, enhance tutoring opportunities for our graduate teaching assistants and provide an automated student learning assessment environment. It provides timely and detailed information on what the students are learning and allows multiple opportunities to help those that are having difficulties to understand the STEM concepts. It also provides more time for faculty to meet with students and teach. This model also provides teaching experiences (not just grading papers) for TA's. This model is scalable to more courses but requires additional facilities. There are some limitations on the types of courses in which this model can be successful. Courses where content changes rapidly are generally not a good fit for this model. The Evaluation and Proficiency Center will be put into broader practice in the near future.

5.....College Update (Georgiopoulos)

Dr. Georgiopoulos first provided information that UCF's Provost wanted him to communicate to the board (e.g., 200 new UCF hires last year, successes of CECS student teams, the effort to create a strategic plan for UCF, and the future of downtown campus).

Dr. Georgiopoulos continued by providing an overview of last year's teaching and research productivity by the College. Dr. Georgiopoulos also emphasized the 50 new CECS faculty hires over

the next two years. He detailed the new CECS cluster-hires, CECS's participation and how they came to fruition. He stated that with increased faculty lines for CECS, increased research funding is expected. Finally, he spoke briefly about the BOG grant that is a collaboration between UCF, FIU and USF that has resulted in an increased CS/IT/CpE student graduates for all institutions and especially UCF (more than 40 percent more CS/IT/CpE graduates in a two year time span, since the grant's inception).

Reminders: Please send Dean feedback on what we're doing well and what we can do better.

Meeting adjourned.