AGENDA

I. CALL TO ORDER
   Robert Garvy
   Chair of Educational Programs Committee

II. ROLL CALL
   Susan Tracy
   Senior Administrative Assistant

III. MEETING MINUTES
   Chair Garvy
   • Approval of November 17, 2016, Educational Programs Committee meeting minutes

IV. NEW BUSINESS
   Chair Garvy
   • Provost’s update
     - Faculty Spotlight:
       UCF Natural Language Processing Group (INFO-1)
       Dr. Fei Liu
       Assistant Professor
       Department of Computer Science
       College of Engineering and Computer Science

   - Path to Preeminence - Research Update (INFO-2)
   - Breaking Down Student Debt (INFO-3)

V. OTHER BUSINESS
MINUTES
Educational Programs Committee
University of Central Florida
Board of Trustees
November 17, 2016
FAIRWINDS Alumni Center
Conference call-in #800-442-5794, passcode 463796

CALL TO ORDER
Trustee Robert Garvy, chair of the Educational Programs Committee, called the meeting to order at 11:00 a.m. Committee members Ken Bradley, Chris Clemente, and Keith Koons were present. Also present were Board of Trustees Chairman Marcos Marchena and trustees Clarence H. Brown III, Joseph Conte, Alex Martins, and David Walsh.

MINUTES
The minutes from the September 15, 2016, meeting were approved as written.

NEW BUSINESS
Conferral of Degrees (EPC-1)
Dale Whittaker, Provost and Executive Vice President, requested approval for the Fall 2016 conferral of degrees. A motion to recommend the conferral of degrees to the Board of Trustees was unanimously approved.

Amendment to University Regulation UCF-2.009 Admission of International Students (EPC-2)
Cynthia Young, Vice Provost for Faculty Excellence and International Affairs and Global Strategies, requested approval to amend University Regulation 2.009, which incorporates admission requirements for international students. In addition to university admission requirements, international students whose native language is not English must show proficiency by meeting additional requirements. The proposed amendments to this regulation add multiple new ways to meet the requirements. A motion to recommend the amended regulation to the Board of Trustees was unanimously approved.

2016-17 Tenure with Hire (EPC-3)
Whittaker discussed the process for granting tenure to individuals who have come from outside of the university and whose credentials have been reviewed using the university’s standards for tenure. Tenure with hire was requested for Dr. Keisha Hoerner, Nicholson School of Communication. A motion to recommend the tenure with hire recommendation to the Board of Trustees was unanimously approved.

Provost’s Update
Whittaker provided the following updates
- Faculty Spotlight: Bradley J. Willenberg (INFO-1) – Whittaker introduced Bradley Willenberg, assistant professor of medicine. Willenberg presented a short summary describing two of his main research project 1) a project focused on building a transplantable kidney and 2) a project developing new mosquito surveillance tools with colorimetric readouts.
• National Academy of Inventors - The UCF launched its chapter of the National Academy of Inventors. Twenty-nine faculty members were inducted into the first class. Collectively, they hold 541 issued patents, 64 licenses, and 20 startup companies.

• DirectConnect Annual President’s Meeting – Whittaker reported on the recent DirectConnect annual president’s meeting and shared plans to meet regional and state demand for more nurses with the consortium’s recommendation to pursue additional nursing degrees at several DirectConnect partner state colleges.

• Collective Impact Strategic Planning Update (INFO-2) – Whittaker reported on the institutionalization of the Collective Impact Strategic Plan, including annual provost forums to track the university’s progress in key metrics. He specifically addressed research and graduate programs, as well as faculty excellence.

• Forward by Degrees (INFO-3) – Whittaker shared a video from the university’s submission to the $100 million MacArthur Foundation challenge, focused on eliminating income as a predictor of college success. He cited recent data showing an increasing gap in low- and high-income students’ graduation rates, and he spoke about UCF’s work with other institutions in the University Innovation Alliance to help close this gap.

Trustee Garvy adjourned the joint committee meeting at 11:31 a.m.

Respectfully submitted:  

A. Dale Whittaker  
Provost and Executive Vice President
ITEM: INFO-1

EDUCATIONAL PROGRAMS COMMITTEE
University of Central Florida

SUBJECT: UCF Natural Language Processing Group

DATE: January 13, 2017

For information only.

Supporting documentation: Attachment A: UCF Natural Language Processing Group

Prepared by: Dr. Fei Liu, Assistant Professor Department of Computer Science
College of Engineering and Computer Science

Submitted by: A. Dale Whittaker, Provost and Executive Vice President
UCF Natural Language Processing Group

Dr. Fei Liu
Assistant Professor
Department of Computer Science
College of Engineering and Computer Science

UCF Board of Trustees
Educational Programs Committee
January 13, 2017

INFO-1: Attachment A
A Brief Introduction to Natural Language Processing (NLP)

- NLP is a subfield of computer science concerned with the interactions between computers and human languages

- NLP has seen considerable success in recent years, e.g., Google and Facebook Translate, Apple’s Siri, Amazon’s Echo, Microsoft’s Cortana and IBM’s Watson which defeated human champions in the quiz show jeapardy!
Achievement Highlights

• best paper finalist at the 25th International World Wide Web Conference, 2016 (5 out of 727=0.7% research submissions)

• served as an area chair for the 2015 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies

• invited to attend MIT Rising Stars in Electrical Engineering and Computer Science (an academic career workshop for nearly 60 top electrical engineering and computer science women scholars in academia), 2015

• advised an undergraduate student in 2016 who co-authored a paper at the Association for the Advancement of Artificial Intelligence 2016 Fall Symposium on Privacy and Language Technologies
Our Research

Natural Language Semantics

Automatic Summarization
Our Research

Policy Document Understanding

Social Media Analytics

Educational Programs Committee - New Business
Our Research

The UCF Natural Language Processing group conducts research in the areas of text summarization, language generation, social media analytics, natural language semantics, and machine learning techniques for natural language processing.

Much of the technologies involve probabilistic models, machine learning, and deep learning as applied to large-scale text data.

ITEM: INFO-2

EDUCATIONAL PROGRAMS COMMITTEE
University of Central Florida

SUBJECT: Path to Preeminence - Research Update

DATE: January 13, 2017

For information only.

Supporting documentation: Attachment A: Path to Preeminence - Research Update

Prepared by: Christine Dellert, Assistant Vice President for Strategic Communications & Marketing

Submitted by: A. Dale Whittaker, Provost and Executive Vice President
Path to Preeminence: Research Update
UCF’s NSF R&D Expenditures

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Higher Education R&D Survey
NSF R&D Expenditures Comparison

2015 RANKINGS

- UF 25
- USF 45
- FSU 83
- UCF 99
- FIU 119
- FAU 259

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Higher Education R&D Survey
UCF’s Path to Preeminence

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<tr>
<th>MEASURE</th>
<th>BENCHMARK</th>
<th>2016</th>
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<tr>
<td>Average GPA and SAT Score</td>
<td>4.0 GPA / 1800 SAT</td>
<td>4.0 GPA / 1850 SAT</td>
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<td>Public University Ranking (in more than one national ranking)</td>
<td>Top 50 in 2 or more publications</td>
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<td>Freshman Retention Rate (full-time FTIC)</td>
<td>GTE 90%</td>
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<td>6-year Graduation Rate (full-time FTIC)</td>
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<td>National Academy Members</td>
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<td>Total Annual Research Expenditures (Science &amp; Engineering only)</td>
<td>GTE $200M</td>
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<td>Total Annual Research Expenditures in Diversified Non-Medical Sciences (Science &amp; Engineering only)</td>
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<td>National Ranking in Research Expenditures*</td>
<td>5 in Top 100</td>
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<td>Patents Awarded (over 3 year period)</td>
<td>GTE 100</td>
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<td>Doctoral Degrees Awarded Annually</td>
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*In at least 5 S&E disciplines as reported by NSF (includes public and private institutions)
ITEM: INFO-3

EDUCATIONAL PROGRAMS COMMITTEE
University of Central Florida

SUBJECT: Breaking Down Student Debt

DATE: January 13, 2017

For information only.

Supporting documentation: Attachment A: Breaking Down Student Debt

Prepared by: Christine Dellert, Assistant Vice President for Strategic Communications & Marketing

Submitted by: A. Dale Whittaker, Provost and Executive Vice President
Educational Programs Committee - New Business

Breaking Down Student Debt

Attachment A
“Millions of Americans who went to college seeking a better future now face crushing debt from student loans…

Today, there is a student debt class like no other: about 42 million Americans bearing $1.3 trillion in student debt that’s altering lives, relationships, and even retirement.”

Consumer Reports, 2016
For-Profit and 2-Year Colleges Account for Increase

Student borrowing has surged in the past several years, particularly at for-profit and 2-year institutions

Student Debt Landscape

Average Debt at Graduation

Debt Among Students Earning Undergraduate Degree

* 2012 data for for-profit, private, and public. 2014-15 data for Florida and 2016 for UCF.

Percentage of Students Graduating Without Debt

* 2012 data for for-profit, private, and public.
† FTIC students only

**SOURCES:** Association of Public & Land-Grant Universities, 2016; The Institute for College Access & Success, 2014; Florida Board of Governors System Survey of University Work Plans, 2016
UCF Students Graduating Without Debt
(by Family Income, Summer 2010-Summer 2016)

SOURCE: UCF Institutional Knowledge Management, 2016
Student Loan Default Rates
(by Institution Type)

* 2013 cohort data for for-profit, private, and public, not exclusive to college graduates. 2012-15 preliminary data for SUS and UCF.

**SOURCES:** Association of Public & Land-Grant Universities, 2016; White House Council of Economic Advisors, 2016; Office of Federal Student Aid, 2016; Florida Board of Governors System Survey of University Work Plans, 2016 (Preliminary data)
“Millions of Americans who went to college seeking a better future now face crushing debt from student loans…”
Student Debt in Perspective

At UCF nearly half our undergraduates carry no debt when they graduate.

For those who do incur debt, the average amount is less than $22,000, with a reported default rate under 5% – compared with 11.3% nationally.