College Faculty & Staff Retreat

Thursday, August 13, 2015
The Challenger STEM Learning Center
10:00 a.m. – 2:00 p.m.
Outline

• Welcome
• Introduction
• Annual Review
• Updates
• Important Dates
• Lunch
• Group Discussions
• Announcements
• Questions
Introduction

• Dr. Jerald Ainsworth, Provost and Senior Vice Chancellor for Academic Affairs

• Dr. Joanne Romagni, Vice Chancellor for Research & Dean of the Graduate School

• Ms. Ann Yoachim, Director of Community Partnerships

• Dr. Reinhold Mann, Interim Director of the SimCenter
2014-15 Annual Review

• **ASCE Southeast Student Conference** was hosted by the Civil Engineering Department and more than 1000 students participated.

• **AIChE Student Team** has placed second in Regional ChemE Car Competition and qualified for Nationals in the fall.

• **Engineering Management** is ranked as #7 Best Online Graduate Engineering Program according the US News & World Report.

• **Eight new faculty joined us**, 3 in Electrical Engineering, 1 in Mechanical Engineering, 1 in Chemical Engineering, 2 in Computer Science, and 1 in Engineering Management & Technology.

• **Amanda Chambers and Laura Lee** have joined us as the first Academic Advisors of the College.
2014-15
Annual Review (cont’d)

- Two College-level Job Fairs were organized

- MOAs were signed with two Chinese universities for Computer Science and Civil Engineering programs

- Jim Kurtz has joined us as the College Outreach Director

- Deborah Levine had joined us as the College Research Coordinator, but has resigned recently due to health problems

- Terri Clark has joined us as Senior Director of Development

- Sarah Alsobrooks and Kim Sapp have joined us as Administrative Assistants

8/13/2015
2014-15 Annual Review (cont’d)

- **Mike Roeser** has joined to the College Technical Support group
- **Skip Smith**, Lecturer in Construction Management, has resigned
- **Dr. Reinhold Mann**, has joined us as the Interim Director of SimCenter
- **Dr. James Newman**, has become Interim Department Head of Graduate School Computational Engineering, Assistant Director for Sim Center
- **Dr. Soubantik (Sou) Palchoudhury**, has joined us as the Visiting Chemical Engineering Faculty
2014-15
Annual Review (cont’d)

• **College Advisory Board** has been revitalized, 20 additional community members were added, and met twice per semester

• **Dean’s Students Advisory Council** has been formed and their constitution was developed

• **ABET-EAC Self Study Reports** were finalized and sent on June 30th

• **Jennifer Hoff** has joined us as an external reviewer to assist faculty in their research initiatives

• **Research and Grant Development Workgroup** has been established and met a couple of times during the summer and will continue to meet once a month

8/13/2015
2014-15
Annual Review (cont’d)

• **Four faculty and one staff** have retired through the retirement incentive program, but two retired faculty were hired back on a part-time basis

• **Marketing Efforts** have emphasized and will be used extensively during the 2015-16 academic year too
  
  Billboard/Digital Signs  Magazine Ads
  Brochures & Flyers  Short Videos
  Social Media  E-News
  T-shirts  Car Decals
  Year In Review Magazine  Website

• **Communication** has been improved by creating e-news and meeting more often with the College faculty, staff, and students
2014-15 Annual Review (cont’d)

- Engineering Students’ Workroom has been developed in EMCS 405
- The First CECS Makerspace has been established in the old incubator room (EMCS 344)
- Outside Seating Areas have been put in front of the building
- The P.O.D. (Provisions on Demand) was installed on the second floor, across the Benwood Auditorium, for fresh food & drinks
- The IT and GIS Groups have moved out of the EMCS building
ABET-EAC
Visit Date: November 8-10, 2015

- Dr. Kenneth Ball, Team Chair
  Dean, School of Engineering, George Mason University

- Dr. Daniel J. Lacks, BSChE PEV
  Case Western Reserve University

- Dr. Malay Ghose Hajra, BSCE PEV
  University of New Orleans

- Dr. Ravi Joshi, BSEE PEV
  Texas Tech University

- Dr. Mark Nowack, BSE PEV
  College of the Ozarks

- Dr. Michael Patrick Gordon, BSME PEV
  Piper Aircraft
UTC
ABET-EAC TEAM

• **Electrical Engineering:** Dr. Daniel Loveless, Dr. Nur Sisworahardjo, Dr. Ahmed Eltom, other EE Faculty, and Mr. David Decker

• **Civil Engineering:** Dr. Joe Owino, Dr. Ignatius Fomunung, other CE Faculty and Staff, and Ms. Sarah Alsobrooks

• **Mechanical Engineering:** Dr. Gary McDonald, other ME Faculty, and Ms. Andrea James

• **Chemical Engineering:** Dr. Frank Jones, other ChemE Faculty, and Ms. Sarah Alsobrooks

• **General Engineering:** Dr. Claire McCullough, Dr. Cecelia Wigal, Dr. Joe Dumas, Dr. Dalei Wu, Dr. Joseph Kizza, and other Gen. Engr. Faculty and Staff

8/13/2015
2015-16 CECS Plans & Activities

• ABET Reaccreditation Visit for Engineering Programs
  • November 8-10, 2015

• CECS Dean Search

• CECS Bylaws will be finalized and voted during the fall semester

• College and Departmental Goals will be reviewed and modified

• CECS Strategic Goals for 2020 will be finalized

• The number of ABET Reviewers in the CECS will be increased

• CECS Research activities and grant submissions will be increased

8/13/2015
CECS
Budget Updates

• Budget Reductions
  • 2015 Summer School Budget was lowered more than $50,000
  • 2014-15 Adjunct Faculty Budget was lowered more than $75,000
  • More than $100,000 deficit has been eliminated from the summer school and adjunct budget during the 2014-15 academic year

• FY16 Faculty & Staff Raises
  • 1.5% across the board
  • Equity adjustments
  • Staff reclassifications
  • Merit increases
CECS Updates

• Center for Energy, Transportation, and Environment (CETE)
  • Dr. Ignatius Fomunung, Interim Director

• CECS Makerspace
  • Dr. Don Reising, Lead Faculty Advisor & Coordinator

• Project Lead The Way (PLTW)
  • Mr. Jim Kurtz, Affiliate Director
CECS Departmental Updates

- **Dr. Joe Owino**, Department Head of Civil, Chemical, and General Engineering
- **Dr. Joseph Kizza**, Department Head of Computer Science & Engineering
- **Dr. James Newman**, Interim Department Head of Computational Engineering
- **Dr. Ed McMahon**, Interim Department Head of Engineering Management & Technology
- **Dr. Ahmed Eltom**, Department Head of Electrical Engineering
- **Dr. Gary McDonald**, Department Head of Mechanical Engineering

8/13/2015
UTC Enrollment Comparison

Undergraduate

Fall 2014: 9516
Fall 2015: 9465

Graduate

Fall 2014: 1059
Fall 2015: 1079

8/13/2015
CECS Enrollment Comparison

- Undergraduate:
  - Fall 2014: 1058
  - Fall 2015: 1122

- Graduate:
  - Fall 2014: 113
  - Fall 2015: 107

8/13/2015
# Current CECS Enrollment Comparison

<table>
<thead>
<tr>
<th>Undergraduate Programs</th>
<th>Fall 2014 Headcount</th>
<th>Fall 2015 Headcount</th>
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<tbody>
<tr>
<td>Computer Science and Engr.</td>
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<tr>
<td>BS CPSC: Information Security &amp; Assurance</td>
<td>32</td>
<td>35</td>
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<tr>
<td>BS CPSC: Scientific Applications</td>
<td>13</td>
<td>14</td>
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<tr>
<td>BS CPSC: Software Systems</td>
<td>43</td>
<td>50</td>
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<tr>
<td>BS:CPSC: STEM Education</td>
<td>25</td>
<td>4</td>
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<tr>
<td>Pre Computer Science</td>
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<td>128</td>
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<tr>
<td>Engineering</td>
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<td>BSE: Environmental</td>
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<td>BSE: Industrial</td>
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<td>BSE: Nuclear</td>
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<td>BSE: Interdisciplinary</td>
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<td>BSE: Computer</td>
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<td>BSE: STEM Education</td>
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<td>4</td>
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<tr>
<td>Technology</td>
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<td>113</td>
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<tr>
<td>BS ETM: Construction Management</td>
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<td>BS ETM: Engineering Management</td>
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<td>52</td>
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<tr>
<td>TOTAL</td>
<td>1057</td>
<td>1122</td>
</tr>
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CECS
Summer Orientation

• **Dr. Gary McDonald**, Department Head of Mechanical Engineering and Director of Freshman Engineering and Transfer

• **Ms. Amanda Chambers**, Academic Advisor
  • BSME, BSCE, BSChE, and BSE

• **Ms. Laura Lee**, Academic Advisor
  • BSEE, BS CPSC, BS ETM
CECS Research & Grant Development Workgroup

• Ms. Jennifer Hoff, President and Founder Skye Strategies

• Ms. Angie Johnson, UTC Grant Specialist

• CECS Faculty Research Database has been created
CECS Development Efforts

- **Ms. Terri Clark**, Senior Director of Development
  - Volkswagen Hackathon, October 9-10, 2015
  - $1,417,417 from 148 donors
CECS
Marketing & PR Efforts

• Ms. Holley Beeland, Information Specialist

• https://www.youtube.com/watch?v=ZkMtBEXiTtQ&feature=youtu.be
CECS
Technical Support

- Mr. Karl Fletcher, Manager Technical Support
CECS Bylaws Taskforce

- Joe Dumas, CSE
- Jan Evans, EMT
- Ignatius Fomunung, CE
- Frank Jones, ChemE
- Farah Kandah, CSE
- Chuck Margraves, ME
- Abdul Ofoli, EE
- Cecelia Wigal, General Engr., Chair

8/13/2015
Fall ‘15 Important Dates

- CECS Get-On-Board Day, September 2, 2015
- CECS Tailgate Party, September 5, 2015
- CECS Full Faculty Meeting, September 18, 2015
- CECS Open House, in September 2015
- Volkswagen Hackathon, October 9-10, 2015
- Fall Break, October 19-20, 2015
- CECS College Job Fair, November 4, 2015
- ABET-EAC Team Visit, November 8-10, 2015
- CECS Full Faculty Meeting, November 13, 2015
- CECS Holiday Party, December 1, 2015
- Final Exams, December 2-8, 2015
- Commencement, December 12, 2015
- Grades Due, December 14, 2015
Group Discussions

- **CECS Strategic Goals**
  - 4 goals aligned with the University’s goals

- **CECS Bylaws**
  - The outline and EDO evaluation suggestions

- **CECS Communication**
  - Recommendations to improve the College-level communication
Announcements
Questions?
CECS Giveaways

- CECS Polo T-shirts
- CECS Notepads & Post-it Notes
- CECS 2014-15 Year In Review Magazine
- Other marketing items
Thank you!

Have a great Fall ‘15 semester!

Students First!

8/13/2015