State of the College
Fall 2016

Costas Tsatsoulis
Dean
Our College of Engineering

- Fall 2016
  - 96.25 (100) Faculty
  - 3,609/3,616 students
Undergraduate Program
• ABET accreditation for MEET, ELET, CS and IT
  – Next visit in Fall 2019
• Engineering Community in Crumley Hall continuing strong in its 4th year
• We continue to use the Engineering Fee (EF) very successfully for peer tutors, TAs, equipment purchases, staff salaries, and professional development of our students
• SUPER brought to UNT 17 undergraduates from Thailand, India, and Mexico
• First semester implementation of our program-based foundation courses
• Engineer’s Aerie taking flight very successfully
• Adding two advisors to support BME and growing student body
• We hired a new recruiter
New Initiatives

• Studying a change in admission rules for transfer students
  – Reacting to the way Admissions calculates transfer GPA and concerns about performance in the classroom
  – Aligning ourselves with our Texas peers
  – Focusing on performance in SMEC courses

• Studying a change in internal program transfer rules
  – Will affect PREP students – Already talking with PACS

• Initiating preparation/review courses for the FE exam
  – Last year only 53% passing rate

• Working with Risk Management on better safety rules/processes/training
  – Limited access to labs
  – Equipment locks

• Created committee to study the creation of common labs for some courses across departments

• Refocus Engineering Community in Crumley Hall to Engineering
Graduate Program
MS Enrollments

2012: MTSE 23, CoE 28, CS 55, EE 70, MEE 33
2013: MTSE 26, CoE 28, CS 73, EE 56, MEE 33
2014: MTSE 27, CoE 35, CS 77, EE 81, MEE 37
2015: MTSE 19, CoE 53, CS 98, EE 99, MEE 63
2016: MTSE 22, CoE 73, CS 128, EE 129, MEE 65
Other

• Proposal for a BME track under MTSE approved by the CENG Grad Council
• Proposal for a BME track under MEE approved by the CENG Grad Council
• Planning graduate student visit day on November 10
• The EF allows us to continue to offer support for conference travel and writing tutors
Issues with the Graduate Program

• Extreme pressure to some programs because of explosive growth of MS program
  – Due to agents
  – In F15 and S16 CENG received 158 MS students from agents and 134 through the regular application process
  – Since 2014: MSCoE up 109%; MSEE up 68%; MSMEE up 76%
  – Our predictive yield models fail: students recruited by agents will always come
  – Quality of students brought by some agents questionable
    • E.g. 14.5% of MS students recruited by a specific agency in F15 had a gpa below 3.00, compared to 7% of the students who came through the regular application process

• Need a more rigorous annual review of Ph.D. students that has consequences
Research and Scholarship
Progress

• Organized research culture workshop in January
• Organized research discovery workshop in August
• Developing guidelines for support of pre- and post-proposal submission
  – 1/3 of CENG IDC will be spent on this
• Putting together a “Red Team”
• Hiring a Design student to help our proposals
• Starting visits by program directors
  – Interest area talk + general directorate talk
• Due to Tom and Angus we have had more and more serious visits by industry
  than ever before
  – Office of VPR is sometimes an obstacle re. IP
• Aggressively organize visits to funding agencies
• We still cover all trips to meet with collaborators or visit PMs
• We still have a consultant to look at and evaluate your proposals
Others
• All departmental P&T policies completed
• Continuing examination of departmental bylaws
• Faculty mentoring
  – Untenured faculty lunches
  – Mentor workshop
• CSE phase I renovations completed; phase II to start in January
• BME and MTSE lab renovations proceeding – slowly
• Advising Office renovations to start and end in October
• First meeting of BME extension committee on 10/5
  – New classrooms
• Homecoming – Be there!!
• May commencement at Discovery Park!
UNT Frisco

• What we’ve done so far
  – Offered a short course to industry
  – RoboCamp

• What we are planning to do
  – Spring 2016
    • Game Programming certificate
    • Titanium alloys and nondestructive testing short course targeting the aerospace industry
  – Fall 2016: Executive MS in Computer Science
    • Cybersecurity
    • Game Programming
    • Big Data/Analytics
  – What are you going to propose??
Questions?