Presentation

- Undergraduate enrollment
  - Would like to be at 175-200 for each program
  - 350-400 total
- Have EE & CS together
  - MIT
  - Berkeley
  - Carnegie Melton
  - Also have computer engineering
- Position ourselves as the top choice for students

Tell us what is going on in the Grad School?

- Hope to have dean announcement soon
- Several staff retirements are occurring

Concerns/Barriers

- Resources
- How are you on workload?
  - Typically 3-3
  - Instructors 4-4
  - If research active 2-3
  - Heavy research 1-1
  - Awards 2-1
  - Start new faculty at 1-1 for the first year

What is the expectation for external funding?

- There is an unwritten expectation of at least $400,000/5 years
- Need to get standards/expectations in writing for new tenure-track faculty
- Teaching loads aren’t one-size-fits-all
  - Affects load
    - Size of class
    - Number of labs, etc.
  - D2L may not be best way to deliver data sets, for example
  - All disciplines are different
    - So one-size-fits-all make it difficult
• Need to be in the business of research and teaching
  o Not best use of resources to have faculty doing recruiting
  o SDSU does big general advertising
    ▪ Faculty has to differentiate our program from SDS of M and DSU
• Maybe make more of investment in University Relations
• Are we competing with the right schools?

What’s happening with the Solberg Clean Room?
• Was a partial build out last year
• Then it was stopped
• Part that wasn’t completed puts them in a bind when Solberg is demolished
• It is a $1.36 million problem
• What was completed only allowed for new equipment
  o Not the items in Solberg
• When old clean room goes away it needs to move

Where are the Ph.D.s going?
• Post Doc
  o Nebraska
  o Boston
  o New York – Albany
  o Here
• Faculty position
  o Texas

Like their NSF Research Center goal

Some grant funding will go away
• Need to be aggressive to attract other dollars
EE AND CS STRATEGIC PRIORITIES - 3/30/12

Teaching

- BS degree provides students with a sufficient/broad and in-depth set of technical electives
- Graduates are highly sought after by regional and national employers
- Regional leaders in alternative energy/photovoltaics and smart grid technology education

EE AND CS STRATEGIC PRIORITIES - 3/30/12

Teaching

- On-line Professional Masters in CS
- Be able to attract highest quality graduate students
- Provide multiple MS Tracks with depth/breadth
- Offer a BS in computer engineering
- Re-establish the BS in software engineering
- Recognized premiere power systems program
EE AND CS STRATEGIC PRIORITIES - 3/30/12

- Research
  - Leaders in alternative energy and photovoltaics devices and smart grid technologies
  - Leaders in medical image processing and bio-informatics
  - Leaders in Remote Sensing
  - Leaders in Big Data Analysis
  - State Leader in micro-nano fabrication facilities

- Research
  - Strong collaboration with industry in our research endeavors
  - Strong interdisciplinary research/collaboration
  - Organizational alignment towards an NSF Research Center
  - Technology infrastructure that supports high-level research/teaching activities
Service and Outreach

Regional Leader in K-12 outreach activities in EE and CS

- Programming Design Competition
- Robotics
- Cyber Patriot