IAB agenda

- Minutes from October ‘13
- Other IAB business
  - Membership and “Right Size”
  - Potential New Members
  - Advisors to the Board
  - Fall Meeting Organization
  - Committee on Mission and Objectives of IAB
State of the Department

- Undergraduate and Graduate Programs
- Faculty Searches – Seven positions, five additions!
- Major Research Programs and New Initiatives
- New and Existing Graduate Degree Programs
- State of the College
- TEACH update
Undergraduate and Graduate Programs

- Enrollment
  - 725 undergraduates
  - 123 graduates
    - 66 MS
    - 57 PhD

- Applications
  - Undergraduate
    - Average GPA 3.9 (accepted)
    - Average SAT 1370 (accepted)
  - Graduate
    - Campus
      - ME
      - IE (105)
    - Online
      - Engineering Management
      - 32 applied
      - 10 accepted
      - 19 rejected
      - 3 no decision yet
Faculty searches

- Commonwealth Honors College (addition)
- Biomedical devices (addition)
- Biomedical devices (addition)
- Materials (retirement)
- Campus High Impact Position (addition, we hope)
- Endowed Professor (addition, in progress)
- Secret Possibility (addition, in progress)
Faculty searches: Systems Engineering

Seminar Presented by candidate for the Systems Engineering Faculty Position

Systems Simulation Model of the US HIV Epidemic for National HIV-Prevention Strategy Analysis

Chaitra Gopalappa, Ph.D.
Senior Modeler and Analysis Center for Modeling, Planning and Policy Analysis Futures Institute, Glastonbury, CT

Abstract:
Faculty searches: Biomedical Devices

Seminar Presented by candidate for the Medical Devices Faculty Position

Mechanical Loading Decreases Osteolysis and Tumor Formation via Effects on Bone Remodeling

Maureen Lynch, Ph.D.
Post-doctoral Fellow
Cornell University
Ithaca, NY
Seminar Presented by candidate for the Medical Devices Faculty Position

Advanced Materials and Manufacturing for Life Sciences

Hu Tao Ph.D.
Research Assistant Professor
Tufts University
Medford, MA
Seminar Presented by candidate for the Materials Engineering Faculty Position

Rational Design of Materials at the Nano-scale

Jae-Hwang Lee, Ph. D.

Research Scientist
Rice University
Houston, TX
Major Research Programs and New Initiatives

- NSF Wind Energy IGERT
  - Erin Baker
- $95M Massachusetts Life Sciences Initiative
  - Institute for Applied Life Sciences
  - Laboratories
    - LSL1 and LSL2
- Centers
  - Center for Personal Health Monitoring
    - $2M Digital Manufacturing Lab. 3D polymer and metal printers
    - Elab II 110, Marcus
    - Leaders: Sundar Krishnamurty and Chris Salthouse
Life Science Laboratory (Before)
Life Science Laboratory (Now)
New Graduate Degree Programs

- Online Engineering Management MS (MIE)
  - Jenna Marquard
- Biomedical Engineering PhD (College wide)
- Materials Science PhD (College wide)
State of the College

- Administration
  - Dean
  - Associate Deans
    - John Collura (Research)
    - Tilman Wolf (Graduate Studies and Operations)
    - David Ford (Academic Affairs)
    - Kathy Rubin (Students)

- Responsibility Centered Management

- Hires
  - Biomedical Engineering hires

- Facilities
  - Goessman
  - Elab II
  - LSL1, LSL2
New Student Classroom Building
“I’m all for green technology, but who added ethanol to the coffee?”
Degree Programs

- Undergraduate
  - ABET

- Graduate
  - Engineering Management (IAB help)
  - Course only master’s degree
Innovation Shop

- Status
- NCIIA projects
- Student work
Innovation Shop: A study space
Innovation Shop: A modern machine shop
Innovation Shop: A maker space

- Caitlin McLain
Innovation Shop: A named space