

**Mechanical & Industrial Engineering  
Industry Advisory Board Meeting  
October 11, 2006**

**Sundar Krishnamurty  
Interim Head**

# Agenda

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## Mechanical & Industrial Engineering Highlights

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- **Jonathan Rothstein**, Assistant Professor.
  - National Science Foundation CAREER Award
  - Office of Naval Research Young Investigator Award
- **Joe Goldstein**, Distinguished Professor
  - Leonard Medal of the Meteoritical Society
  - Distinguished Faculty Lecture Series
- **Robert Hyers**, Associate Professor
  - Young Leader Award, The Minerals, Metals, and Materials Society
- **James Manwell**, Professor
  - Academic Achievement Award, American Wind Energy Association
  - Over 1 Million in Research Funding
- **Larry Ambs**, Professor Emeritus
  - Lifetime Achievement Award, Industrial Assessment Center

## Mechanical & Industrial Engineering Highlights

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- **Robert Gao, Professor**
  - Fellow ASME
- **Patty O'Brien, Senior**
  - Leadership Program, Society of Automotive Engineers (SAE)
- **Caroline Linehan, Senior**
  - Senior Leadership Award, UMass Alumni Association
- **In the News**
  - **“Deep Pressure Vest”** Boston Globe, Sunday Republican
    - *Brian Mullen, PhD, Sundar Krishnamurty, Interim Head*
  - **“Portable Seat Belt”** Boston Globe, Portsmouth Herald News, Berkshire Eagle, Worcester Telegram, WFCR, Channel 40
    - Josh Doolittle, Junior, Sundar Krishnamurty, Interim Head
- **Undergraduate Degrees Awarded**
  - More than doubled since 2004

## Bylaws and Election

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- Bylaws modified and ratified
- New Co-Chairs:
  - Paul Washburn & John Stuart

## Undergraduate Curriculum

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- See Jim Rinderle's Presentation
- Discussion on Program Objectives

## Outreach and Alumni Activities

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- Krishnamurty
- What can the board to help
  - Student Fellowship
  - Research Projects
  - Reaching to Alumni
  - Reaching to Industries
  - Fundraising

## Alumni Event

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- How to market ourselves better
  - Contact Alumni may not be sufficient
  - Better marketing to industries, NE in particular
    - Good business for them
- Alumni Event

## To Get Started

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- Alumni Get-together
- Build on the success of the breakfast meeting
  1. Make it annual
  2. Ask for money
  3. Tie it to a cause
- Site-specific Get-togethers with large number of alums
  - Example: Events at Gillette, Pratt & Whitney
  - Invite the community
  - Prioritize of what you want as your goal before hand
  - Try to get Jack Wilson and VPs of companies
  - State: Sec. of Education and/or legislators in leadership roles

## PTC Proposal – John Stuart

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- Theme?
- Sub-Committee

## Students' Meeting Summary

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- Gazi
  - Closer to home
  - Cost
  - Safety School
    - Better and higher ranked than other schools
  - Retention
    - Weak in math
    - Courses are difficult
    - 124 (Visual Basics), 210 (Statics), 310 (Dynamics)
    - Engineering Math
  - ECE351
  - Not enough hands on

## Students' Meeting Summary

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- Gazi
  - Independent Study
    - Miscommunication/lack of information
  - FEA/CFD tools
- Paul
  - IE – similar to ME
    - Good reputation
    - RPI vs. Umass
  - Curriculum:
    - Course frequency -
    - Flow Chart +
    - Limited Electives

## Students' Meeting Summary

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- Paul
  - Network optimization – on the list - not offered
  - Professor extremely helpful +
  - Interested in what we do
  - Undergraduate TAs
  - Liked courses with HW and Projects
  - 373 is a model
- Curriculum/ABET Sub-Committee
  - Paul, Gazi, Caroline, David, Laura
- PR/Alumni Event Committee
  - Cher, John, Tom, Paul B., Srini