The following are the meeting minutes for the Mechanical and Industrial Engineering Industrial Advisory Board meeting held on October 15, 2010.

Meeting Location: MIE Conference Room, ELAB I
Time of Meeting: 8:30 a.m. to 12:00 p.m.
Meeting Attendees
Faculty & Staff: Don Fisher
Paul Hohenberger
Sundar Krishnamurty
James Rinderle
Frank Sup

IAB Members: David Anderson
Paul Banks
Caroline Down-Lyons
Gary Epstein
Tom Lyden
Michael Mahoney
Laura Smith
John Stuart
Paul Washburn

Paul Washburn called the meeting to order and thanked people for their attendance.

Paul and John Stuart reviewed the draft minutes from the April ’10 meeting and presented them for approval. They were then approved unanimously.

Paul reviewed the agenda.

Paul and John led a discussion regarding the pursuit of new members for the IAB. The status of non participating members was also addressed. The following items were agreed upon:
- Remove Paul Benoit from membership since he has not attended in several years and we have lost touch with him
- This sets the board at 12 members
- Attempt to find two additional members to bring the board to 14 members

The strategy to identify the two new members should include:
- Use the National Grid site visit to target potential candidates
- Target candidates that have interests and connections that are in synergy with core things the Department is involved in
  - Don stated these areas include, but are not limited to:
- Systems
- Healthcare
- Wind

- Networking capability should be a key consideration for potential new members
- Two possible opportunities for new members:
  - Jessica Townsend – Olin
  - Someone from Raytheon

Don provided a departmental update. Discussion items included:
- Sundar Krishnamurty has been promoted to full Professor
- Frank Sup has been hired as Assistant Professor
- Don is entering his second year as Department Head
- Many large proposals are being written and pursued
- Several recruiting ideas are being tried this year to increase IE enrollment
- Graduate students are frequently funded with external resources
- Partnering with companies with the goal of having them sponsor student projects is something that warrants investigation
  - This will require a marketing effort on the part of the Department and will not be a trivial effort
    - It will require an integrated approach to working with companies
  - Caroline might be able to see if Pratt & Whitney could participate
  - John mentioned the First Robotics Program
    - Typically it is done at the University, but companies sponsor teams
    - This is a way to get the UMass brand out into the marketplace

An update on the E-Design Center was provided
- John is the UMass rep on the Advisory Board
- It has provided connections to Raytheon, Vistagy, PTC (John), Ansys and others

Jim Rinderle provided an update on the Systems Engineering initiative
- The core of the Systems Engineering certificate’s course requirements will reside in the IE curriculum
- After the last IAB meeting, Don asked the faculty to consider it, and they said to go forward with looking at how to do it.
- It will be a certificate program

IAB feedback was very positive and included the following:
- It was suggested to include Lean and other quality/productivity tools as part of it
- If it is to eventually spread to be part of a grad program, there would be a need to analyze the market and available resources before doing anything with it
- The need to potentially address the IE name was brought up
Some companies are doing away with the IE name/title and are switching to Systems Engineering or other titles.

It was stated that the Department can not change the name of the degree from IE without it being a large undertaking (ABET considerations).

It was agreed by all to continue moving forward with the Systems Engineering work as proposed.

John led a discussion on outreach. Highlights included:
- Having a Fall event in the Boston area (National Grid)
- Having a Spring event in Connecticut
- Paul Banks spoke about the National Grid headquarters building
- Paul Hohenberger updated the IAB on the planned National Grid event

A discussion was held regarding budget issues. Don wanted to know if there were ways the IAB could help such as building relationships (integrated approach) and/or helping generate alumni dollars. John mentioned the Olin model, which features:
- 5-6 students per project
- Typically $50K from sponsoring company
- Project done for the sponsoring company
- Great opportunity for both students and companies

Caroline also talked about the Pratt & Whitney model.

It was agreed to:
- Try to make a connection with Georgia Tech (John)
- Do a site visit to Olin and talk to Jessica Townsend about the Olin model (Don, John, and Paul)
- Try to get information on the MIT model
- Connect with Jim Kapistran (Mike Mahoney)

Don led a discussion about building a positive environment for students within the Department. This has been a priority of his first year as Department Head. Highlights include:
- The creation of the ClassE Exploratorium
- First year student reception
- A “Graduate School Night” meeting for seniors to learn about grad school options
- Undergraduate jobs
- Graduate student poster competition
  - Included undergrads this year
- MIE Points of Pride
- LinkedIn
  - Students should be doing LinkedIn
  - Have Cheryl encourage students to use it
- Facebook

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The meeting concluded at 12:00. The next meeting will be scheduled for May 5, 2011.