



AGENDA: Industry Advisory Board Meeting

Department of Electrical Engineering

April 12, 2013 - SWR 3A75

10:00 AM – 10:30

Welcome

Introduction of new faculty

Introduction of IAB and new members

Overview of meeting agenda and objectives

10:30 – 11:15

State of the Department – by the numbers

Issues and Challenges

11:15 AM – 11:45 AM

The evolving educational environment; MOOCS and more!

The take-home lab: Demo (David Metts)

Student recruitment – improve the quality

11:45 – 12:15 PM

Filling out the IAB –prospective member companies?

IAB By-laws

12:30 – 1:15 PM

Lunch

1:15 – 1:45 PM

IAB meeting with EE student representatives

1:45 – 2:15 PM

IAB internal meeting – discuss By-laws, Mission, etc

2:15 – 3:00 PM

Review action items and wrap-up

Date for next meeting --- Friday, October 25 ? Friday, November 1 ?

From Dr. Simin:

IAB meeting suggested topics

1. Electrical Engineering Department IAB by laws – draft and discuss.

2. Student recruitment.

How can we improve the quality of our undergraduate students?

Simply raising the bar for admission will require approval from upper administration and may be Senate. IAB can help here.

Can we get IAB support to offer scholarships to the best recruited students?

Can we provide every student with a laptop (or partially reimburse the cost of laptop)?

3. Undergraduate curriculum

Does our current set of courses fully meet the industries request?

What software do students need to master?

What lab instruments and equipment is essential for our students to be familiar with?

Would it be possible and practical to increase the number of tours to the IAB member facilities and make them regular?

4. Graduate education

What are the industry needs for EE graduates? How many and at what level (ME, MS, PhD)?

What are the most important areas of expertise expected from the EE graduates?

5. EE – IAB interaction and joint work technology. Is it practical to use SharePoint?

Is e-mail communication more preferable? Other ways?