Industrial Affiliates Program
27ᵗʰ Fall Meeting

September 29, 2016

Dr. Vidya Manian

What is IAP?

Industrial Affiliates Program
- **Undergraduate students' research initiative sponsored by Industry**
- **Supported by ECE faculty through mentoring and other educational activities**

Member Industries
- **NXP**
- **Raytheon**
- **GM Foundation**
- **Texas Instruments**
- **Lincoln Laboratory – MIT**
- **Harris**
- **Verizon**

Goals of IAP

➢ Provide an enriched research experience with exposure to industrial paradigms in an academic setup

➢ It blends scientific theory, engineering practice and industrial standards in a learning atmosphere

➢ Involve Industry and faculty in the student professional development process

Overview of IAP Activities

- Presentation skills
  - Posters
  - Oral presentations
  - Lab visits
  - Project supervision
  - Interviews

- Opportunity to develop new concepts

- Promotes joint projects between ECE faculty and IAP companies

- Highly attractive opportunity for industrial employers
- Basic Membership Fee $8,000.00
  - Fall and spring meeting
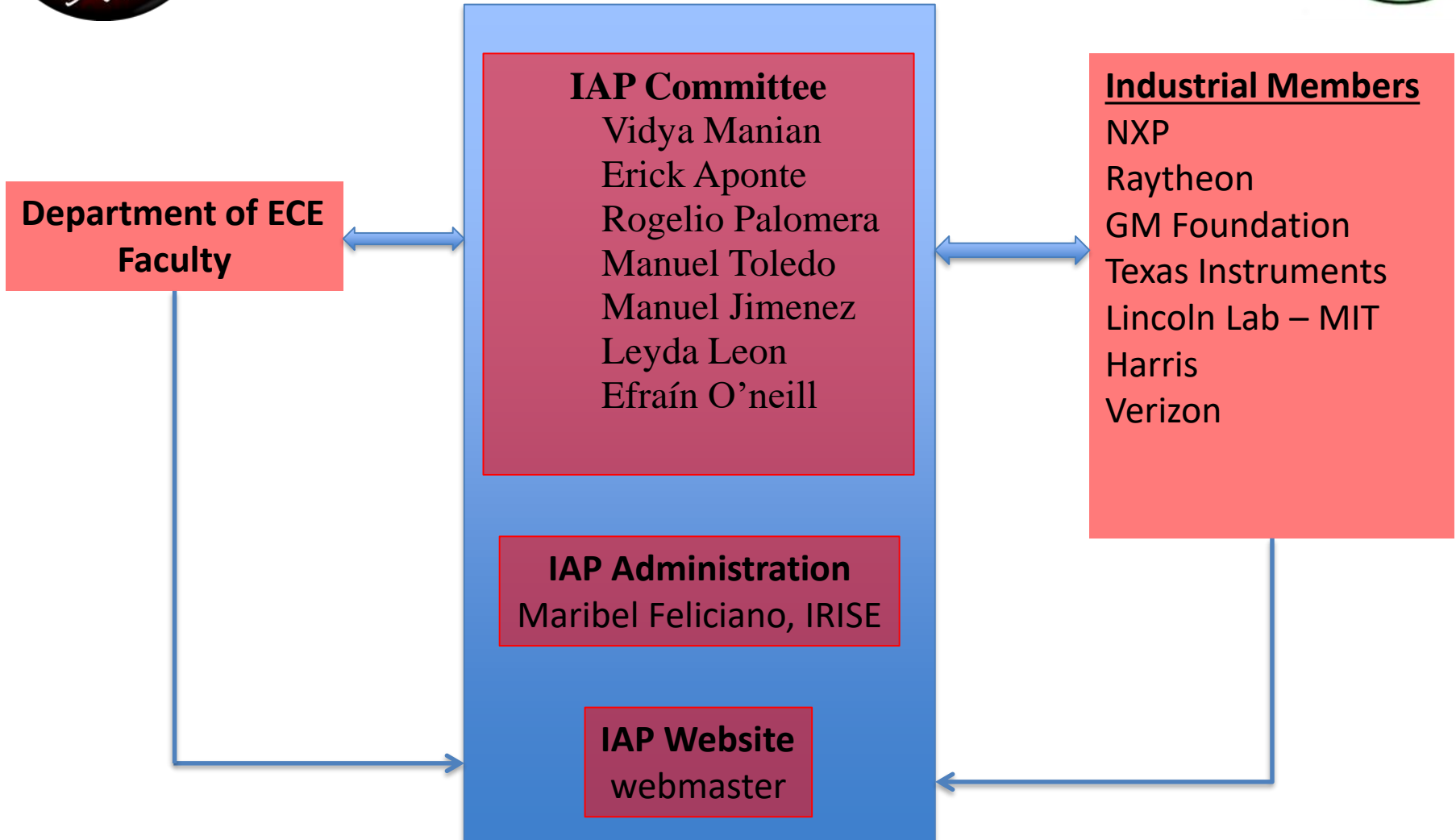 - Online student resume
  - IAP board membership

Student Benefits

➢ Undergraduate Research and Professional Development

➢ Smart technologies

➢ Acquire knowledge, skills, and expertise not possible through the traditional classroom

   ➢ Resume writing workshop
   ➢ Time-management
   ➢ Posters workshop
   ➢ Interview guidelines

➢ Work ethics

IAP Organization Chart

IAP Committee
Vidya Manian
Erick Aponte
Rogelio Palomera
Manuel Toledo
Manuel Jimenez
Leyda Leon
Efraín O'neill

Department of ECE Faculty

Industrial Members
NXP
Raytheon
GM Foundation
Texas Instruments
Lincoln Lab – MIT
Harris
Verizon

IAP Administration
Maribel Feliciano, IRISE

IAP Website
webmaster

IAP Accomplishments

- ➢ Hundreds of undergraduate research projects mentored by ECE faculty

- ➢ Hundreds of students recruited to Industry & Grad-school

- ➢ $250,000 in equipment & $800,000 in project funding

- ➢ IAP sponsored projects have evolved the UPRM-TI collaborative program

  - ➢ 15 years of research collaboration
  - ➢ ICDL design infrastructure renovation
  - ➢ ETC Electronic Test and Characterization Lab
  - ➢ RASP

IAP 2016-2017

- Undergraduate research projects   21
- Faculty   13
- Students   ~100
- Industry Representations   27