## Introduction to Electrical & Computer Engineering

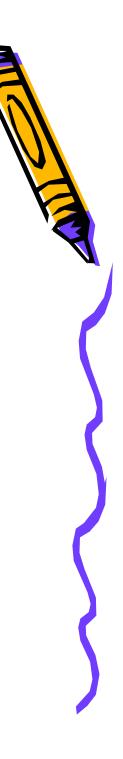


Assistant Professor: Xingwei Wang

## Activities

- 1) Section selection for ATP lab (switch tester project)
- 2) Survey





### Who is in ECE?





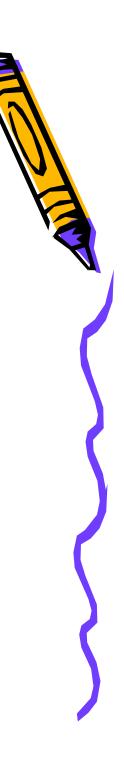
## Who is in ECE?

- Creative people (2:32)
- <u>http://uncutvideo.aol.com/videos/96</u> a8a84f291d713441df2678984d16db



### What is ECE?





## What is ECE?

- <u>http://www.youtube.com/watch?v=kR</u> jpFY7ctpQ&mode=related&search=
   (1:10)
- <u>http://www.youtube.com/watch?v=uN</u>
  <u>5USQw3kvQ&mode=related&search</u>=
- (1:30)

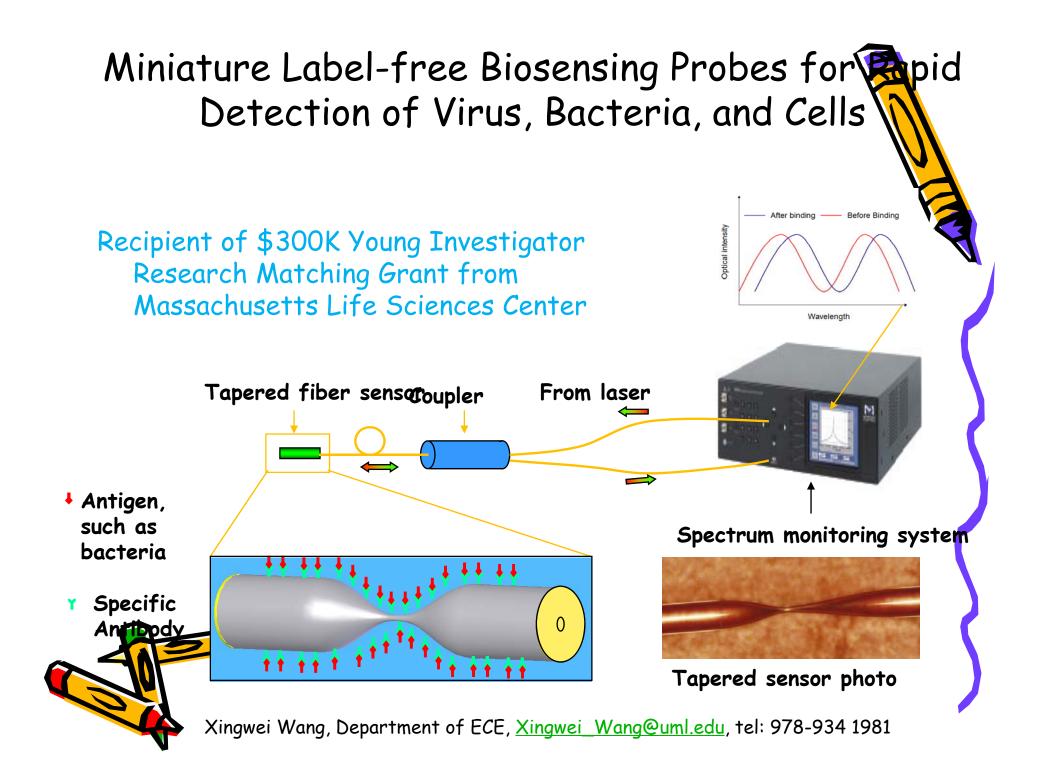






## Who I am?

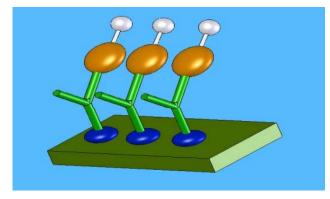
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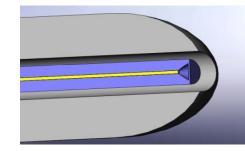
### Biosensors

#### Worcester Campus

 Point-of-care biosensor for early located in M2D2 detection of HIV virus
 Miniature block



 Miniature blood pressure sensor for cardiologist uses

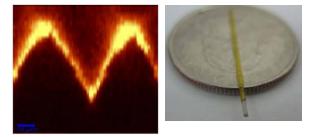


VasoTech, incubator compos

• Interdisciplinary projects in UML (ME; Chemistry; Work Environment; Physics; Plastics Eng.;)







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# Advice

- Adjust to the new environment
- Be independent
- Communicate with instructors/TAs/classmates:
- Do it efficiently (good planner)
- Enjoy your study: more time and efforts (Calculus/Physics)





# This Class

- Projects
  - Hardware: Switch Tester (SLICE)
  - Software: Eagle
- Talks
  - Professors
  - Engineers
  - Senior students
- Lectures
  - Soldering





# Grading Policy

	points	number of classes	subtotal
Quiz	2	14	28
Discussion	2		2
Project 1 (Switch tester)	35		35
Project 2 (Eagle)	35		35
Total			100



## Requirements

- Actively participate in classes and labs
- Keep experiment log book
- Frequently check <u>http://Faculty.uml.edu/xwang/16.100</u>



# Learning Style

- What's your learning style?
- <u>http://iweb.tntech.edu/rclougherty/</u> <u>workshop/index.html</u>



### Enjoy the semester~



