

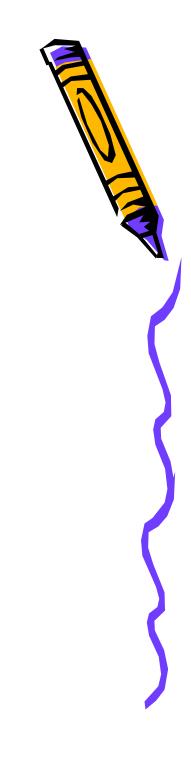
Introduction to Electrical & Computer Engineering



Associate Professor: Xingwei Wang



Who is in ECE?

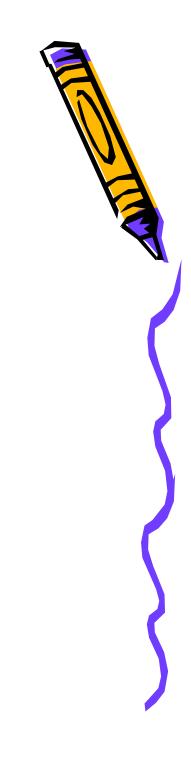




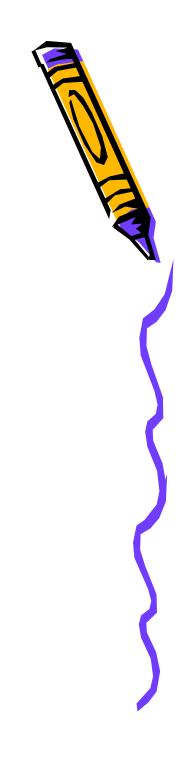
Who is in ECE?

Creative people





What is ECE?





What is ECE?

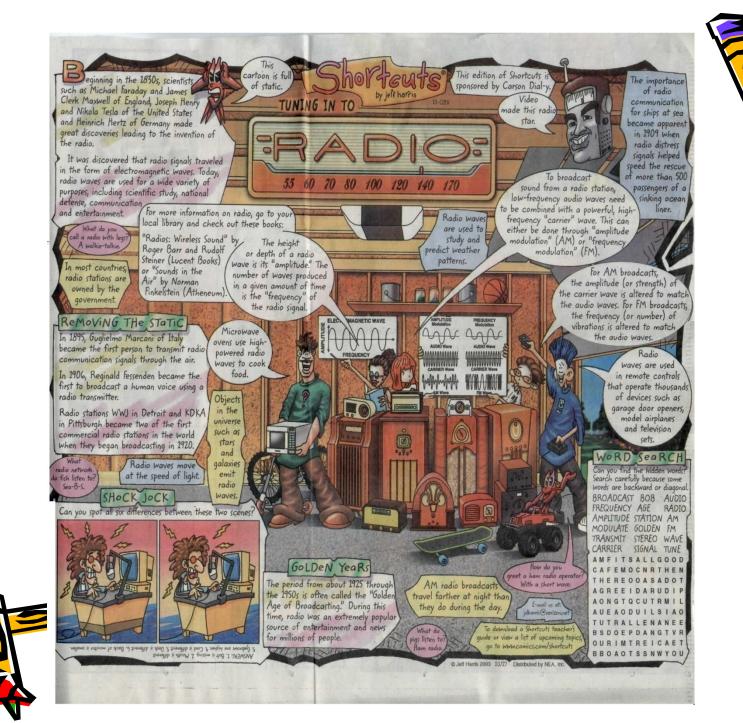
 http://www.youtube.com/watch?v=kR jpFY7ctpQ&mode=related&search=

(1:10)

http://www.youtube.com/watch?v=uN
 5USQw3kvQ&mode=related&search=

(1:30)

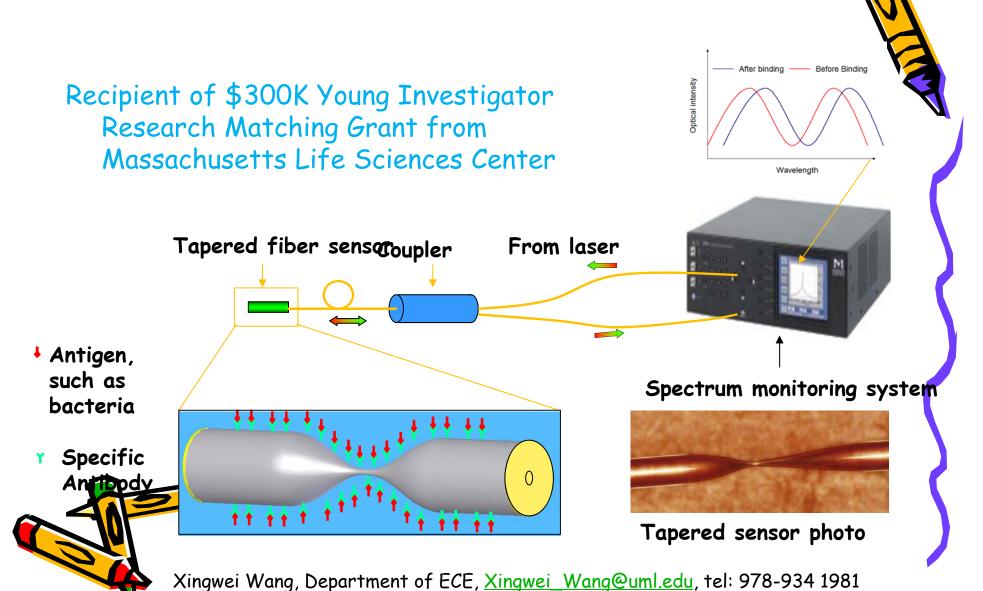




Who I am?

- Education
 - MS, Ph.D., Electrical Engineering Virginia Tech
 - Certificate, Future Professoriate Virginia
 Tech
- http://faculty.uml.edu/xwang/
- Contact
 - Office Hours: make an appointment
 - Phone: 978-934-1981
 - Office: BL 403
 - Email: Xingwei_Wang@uml.edu

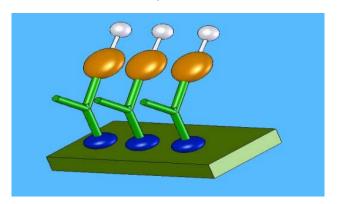
Miniature Label-free Biosensing Probes for Epid Detection of Virus, Bacteria, and Cells



Biosensors

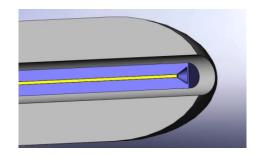
Worcester Campus

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



VasoTech, incubator compare

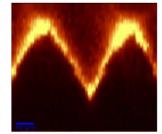
 Miniature blood pressure sensor for cardiologist uses

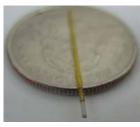


· Interdisciplinary projects in UML (ME; Chemistry; Work Environment; Physics; Plastics Eng.;)







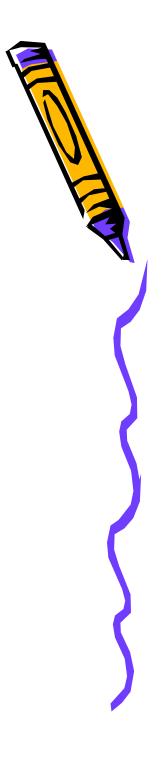


Xingwei Wang, Department of ECE, Xingwei Wang@uml.edu, tel: 978-934 1981

Advice

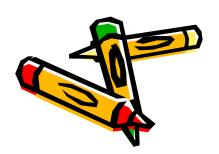
- Adjust to the new environment
- Be independent
- Communicate with instructors/TAs/classmates:
- Do it efficiently (good planner)
- Enjoy your study: more time and efforts (Calculus/Physics)

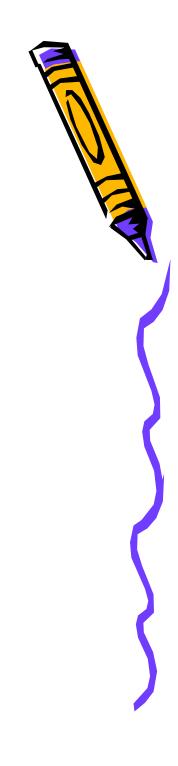




This Class

- Projects
- · Talks
 - Professors
 - Engineers
 - Senior students
- · Lectures





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?
- http://iweb.tntech.edu/rclougherty/ workshop/index.html



Enjoy the semester~

