

EE C247b - ME C218 Introduction to MEMS Design Spring 2014

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Lecture Module 1: Admin & Overview

E C245: Introduction to MEMS Design

LecM :

C. Nguyer

8/20/09

Instructor: Prof. Clark T.-C. Nguyen

- * Education: Ph.D., University of California at Berkeley, 1994
- 1995: joined the faculty of the Dept. of EECS at the University of Michigan
- <u>2006</u>: (came back) joined the faculty of the Dept. of EECS at UC Berkeley
- <u>Research</u>: exactly the topic of this course, with a heavy emphasis on vibrating RF MEMS
- <u>Teaching</u>: (at the UofM) mainly transistor circuit design courses; (UC Berkeley) 140, 143, 243, 245
- <u>2001</u>: founded Discera, the first company to commercialize vibrating RF MEMS technology
- <u>Mid-2002 to 2005</u>: DARPA MEMS program manager
 - ran 10 different MEMS-based programs
 - <u>topics</u>: power generation, chip-scale atomic clock, gas
 analyzers, nuclear power sources, navigation-grade gyros,
 on-chip cooling, micro environmental control

E C245: Introduction to MEMS Design LecM 1 C. Nauyen 8/2































