



























Messages Going Forward ...

UC Berkeley

- MEMS are micro-scale or smaller devices/systems that operate mainly via a mechanical or electromechanical means

Size ↓

resonant frequency ↑ (faster speed)
actuation force ↓ (lower power)
mechanical elements ↑ (higher complexity)
integration level ↑ (lower cost)

- Micro ... nano ... it's all good
- Just as important: MEMS or NEMS have brought together people from diverse disciplines ⇒ this is the key to growth!
- What's next? ⇒ Chip-scale atomic sensors? Pico-Satellites?

... limitless possibilities ...

<u>E C245</u>: Introduction to MEMS Design

LecM 2

Nguyen

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