

**Lecture 21: Interconnects & CMOS**

- **Announcements:**
- Lab 1 Report will be due Friday, April 23
  - ↳ Instructions for the report will online on the EE143 Lab link
  - ↳ You can (and should) start on it now!
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- **Lecture Topics:**
  - ↳ **Interconnects & Contacts**
    - Planar Process Compatible Metals
    - Ohmic vs. Diode Contacts
    - Sintering
    - Measuring Contact Resistance
    - Electromigration
    - Space-Saving Contact Strategies
    - Silicidation
    - Lift-Off
    - Multilevel Metallization
      - Damascene Process
  - ↳ Metal MEMS Surface-Micromachining
  - ↳ Advanced CMOS
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- **Last Time:**
- Going through module 7 ... continue with this today
- Go through Advanced CMOS notes