TIme: 6:30 PM - 7:30 PM

Undergraduates:

* Final Review: December 10
* Bluetooth Classic
  + TI CC2654; does not come with MCU
    - We buy 3
  + TI CC2654MODNEM: probably will not use this
    - http://www.mouser.com/ProductDetail/Texas-Instruments/CC2564MODNEM/?qs=sGAEpiMZZMvtrnhC60i%252bOpAz4Gk8rvo8zKXEzKdK69s%3d
* What microcontroller to use?
  + MSP430F5529 or F5438 since these are the only ones that support the CC2654 headers
    - Size: Both have fairly large sizes (12 x 12 or 14 x 14 mm)
      * MSP430F5438A Microstar Junior: 7 x 7 m
        + We will eventually use this because it will fit in size constraint
      * For Evaluation, we use MSP430F5438A Experimentor board
        + We buy 3
        + <http://www.mouser.com/ProductDetail/Texas-Instruments/MSP-EXP430F5438/?qs=3bSaU8eFeoEdF6TH%252bnkwCg%3D%3D>
* Tasks:
  + Terminal: Yuan
    - Read in values via bluetooth and print out all values to confirm
    - For Bluetooth performance
    - Also, confirm bit error rate for Bluetooth/Verify if there are errors visible at high level to see if hardware/protocol automatically corrects for package error.
    - <http://www.mathworks.com/help/instrument/reading-and-writing-data-over-the-bluetooth-interface.html>
  + Wireless transmission: MSP430F5529 + CC2654: Xin Huang and Stephen Xia
    - Can we actually get 2.1 Mb/s reliably along with error rate?
    - Our current data rate without compression is around 1.9 Mb/s
  + Analog Front End: Tingkai Liu
    - Figure out breakout board for LVDS converter:
      * Uses standard 20-TSSOP(0.173”, 4.40 mm Width)
        + Should have breakout board in OEDK: Can check