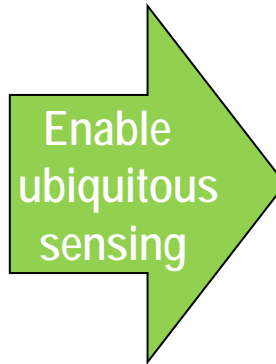
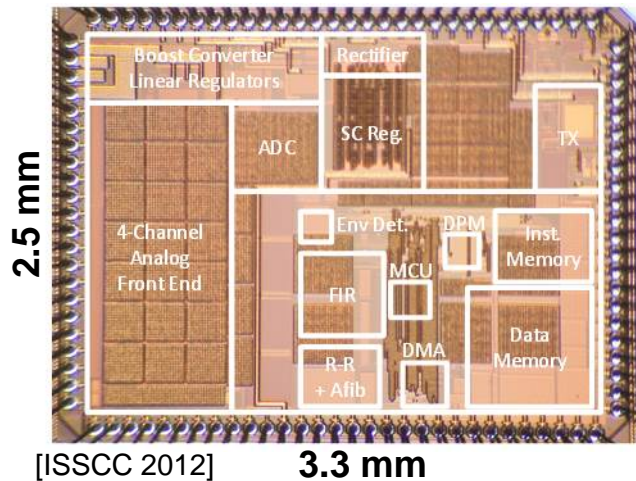


Self Powered Wireless Sensors for Wearable Body Sensors and the Internet of Things

Ultra-Low Power System on Chip (SoC)



- First full body sensor node on a chip
- ECG, EEG, EMG (4 channel)
- Integrated radio
- 100X to 1000X lower power than state of art (19 μ W active)
- **Runs entirely from body heat without a battery**

Internet of Things and Wearables

- Want small, long lasting
- 1 Trillion sensors?
 - 275M battery changes / day with 10yr batteries
- **Energy Harvesting is Essential**
- **Solution: Ultra low power SYSTEMS on chip**