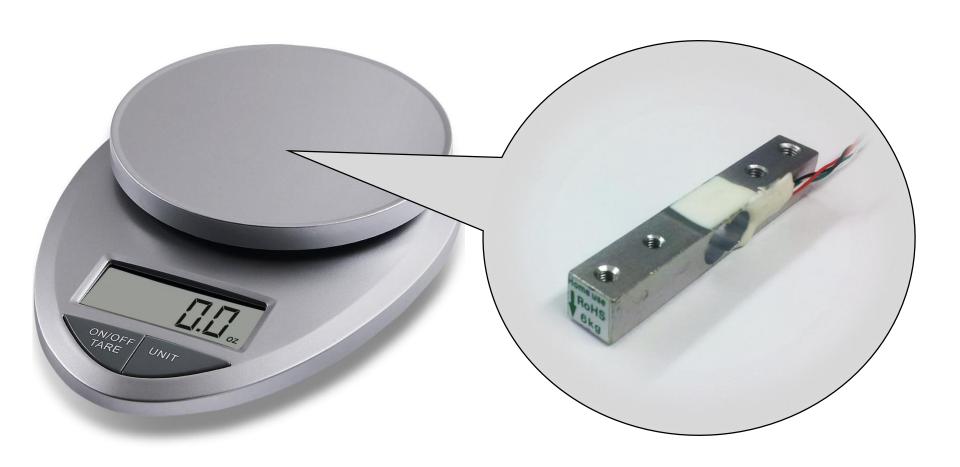
### Instrumentation Amplifier

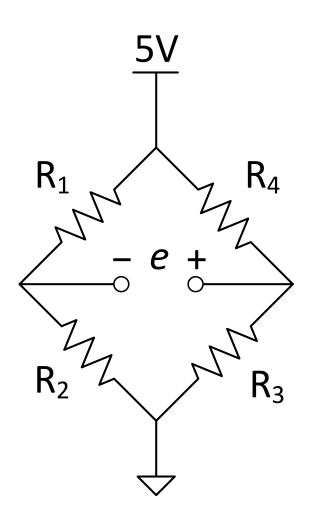
Minkyun Noh

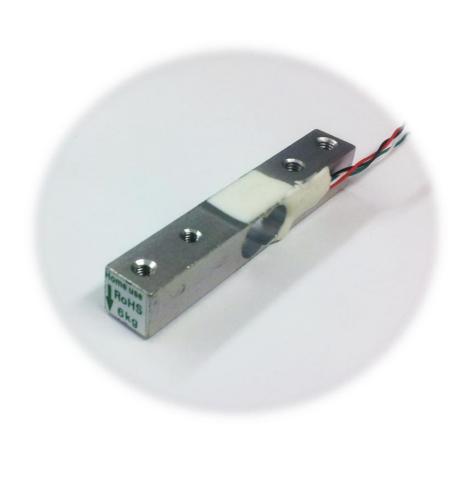
Assistant Professor
UBC Mechanical Engineering

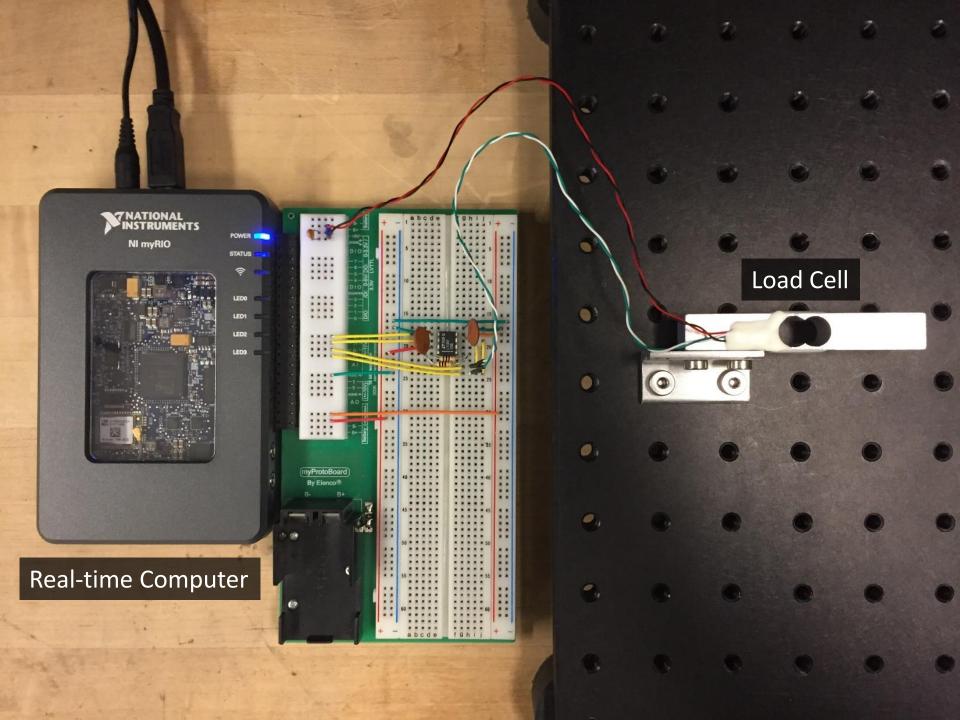
# Example: Electronic Kitchen Scale

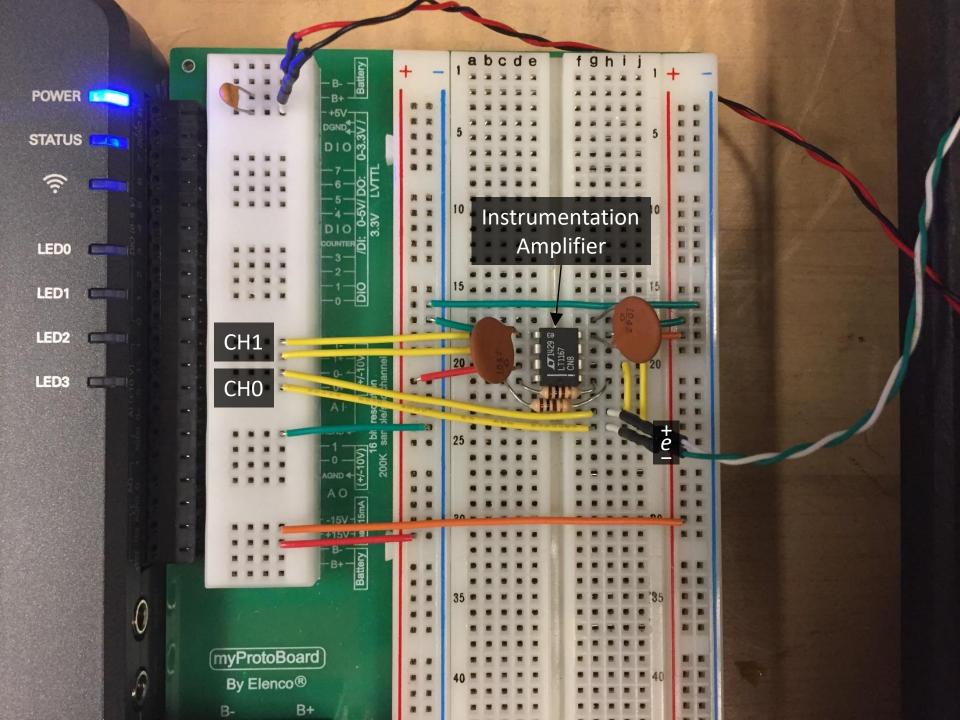


## Strain Gauge Load Cell

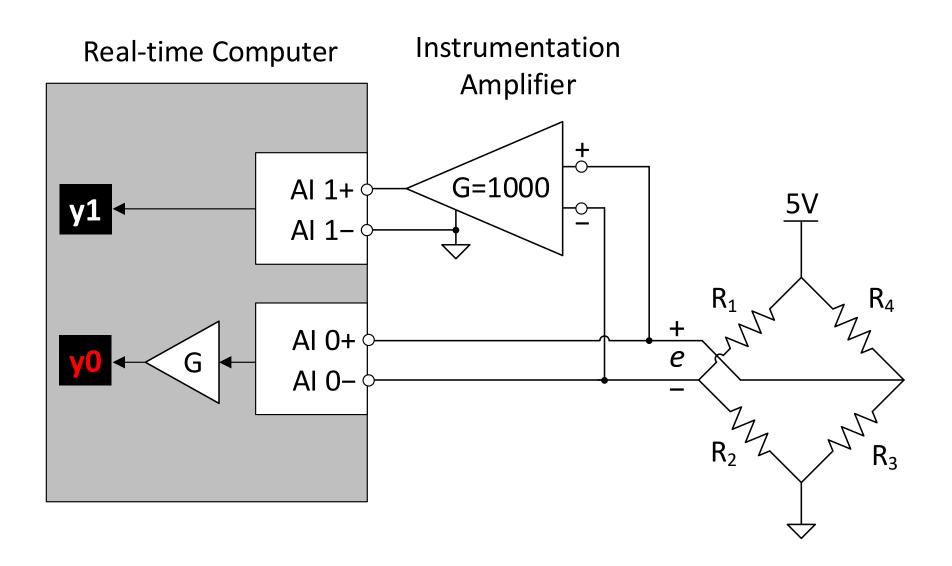


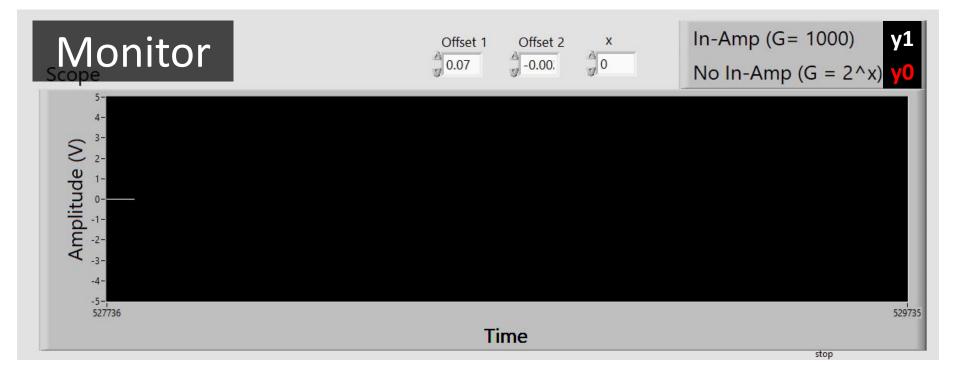


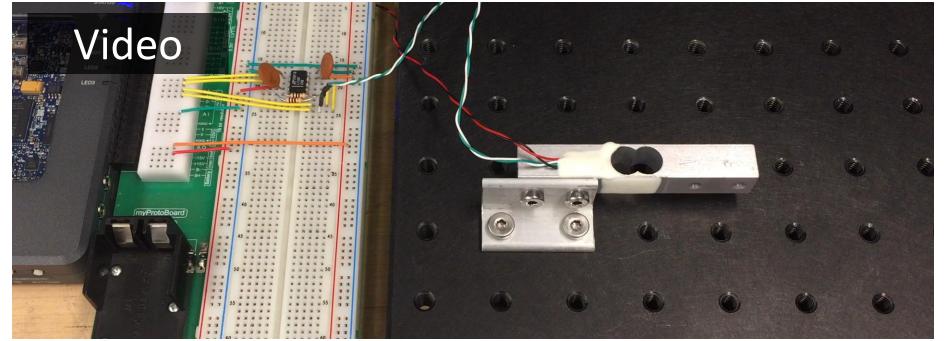


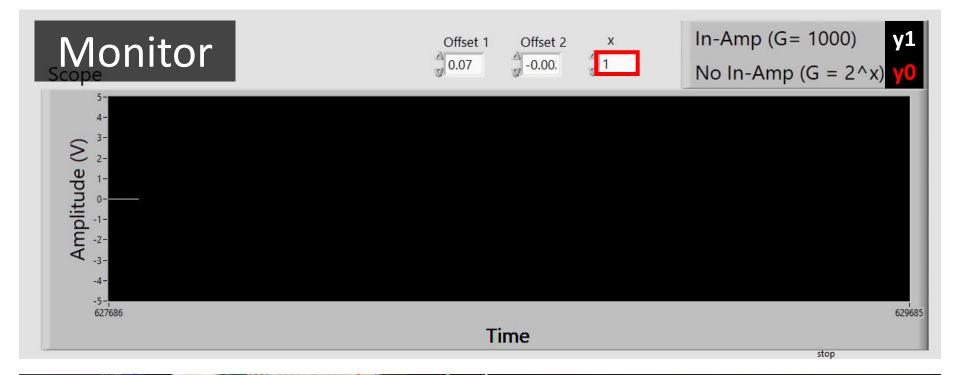


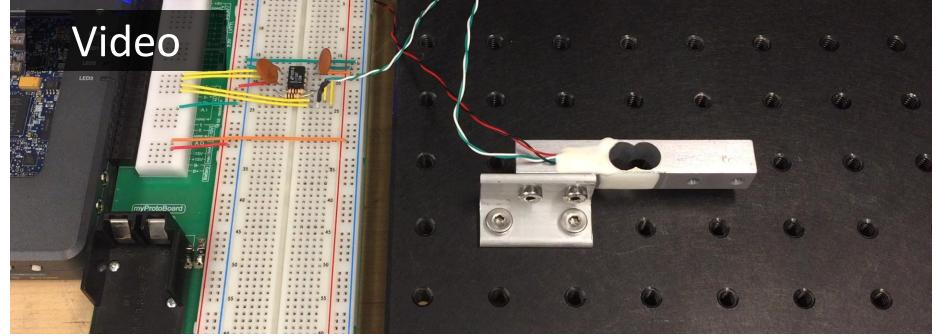
### **Circuit Schematic**





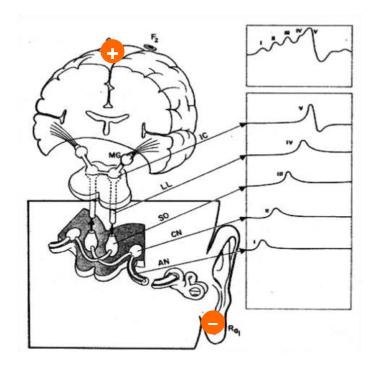






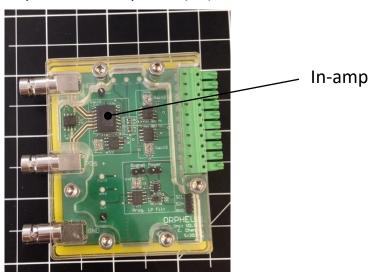
### Example: Biopotential Amplifier

#### **Auditory Evoked Potential**

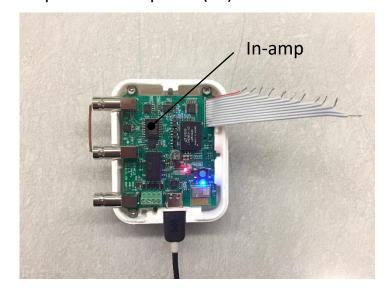


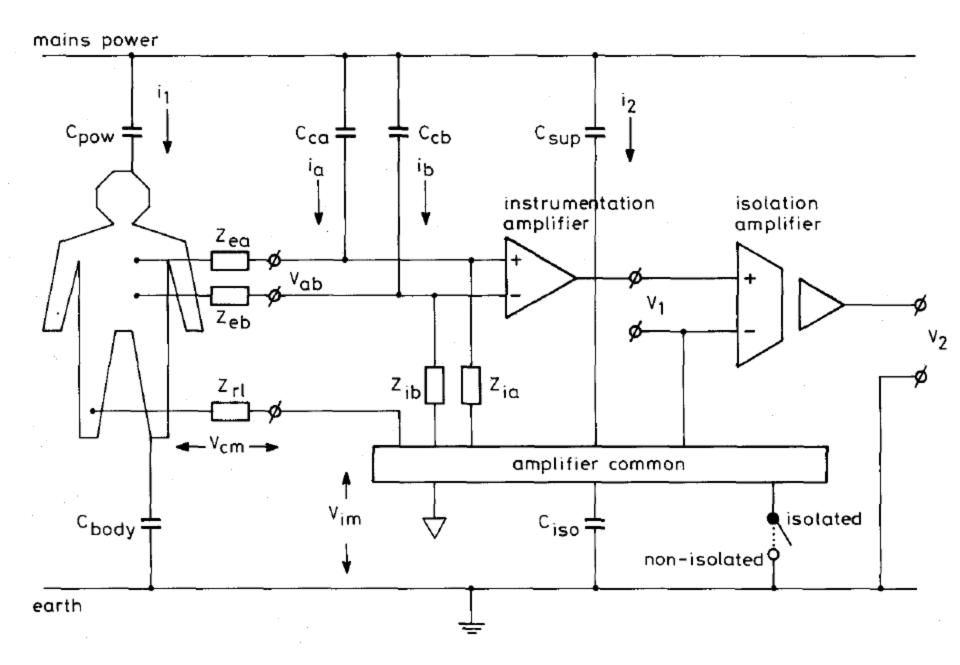
Past collaboration with MIT Bioinstrumentation Lab.

Biopotential Amplifier (v1)



Biopotential Amplifier (v2)





Rijn et al., "High-quality recording of bioelectric events," Medical and Biological Engineering and Computing