



BITNG LAB UPDATE

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Date 2/22/2021

Outline

- Progress to date
- Path forward

PROGRESS TO DATE

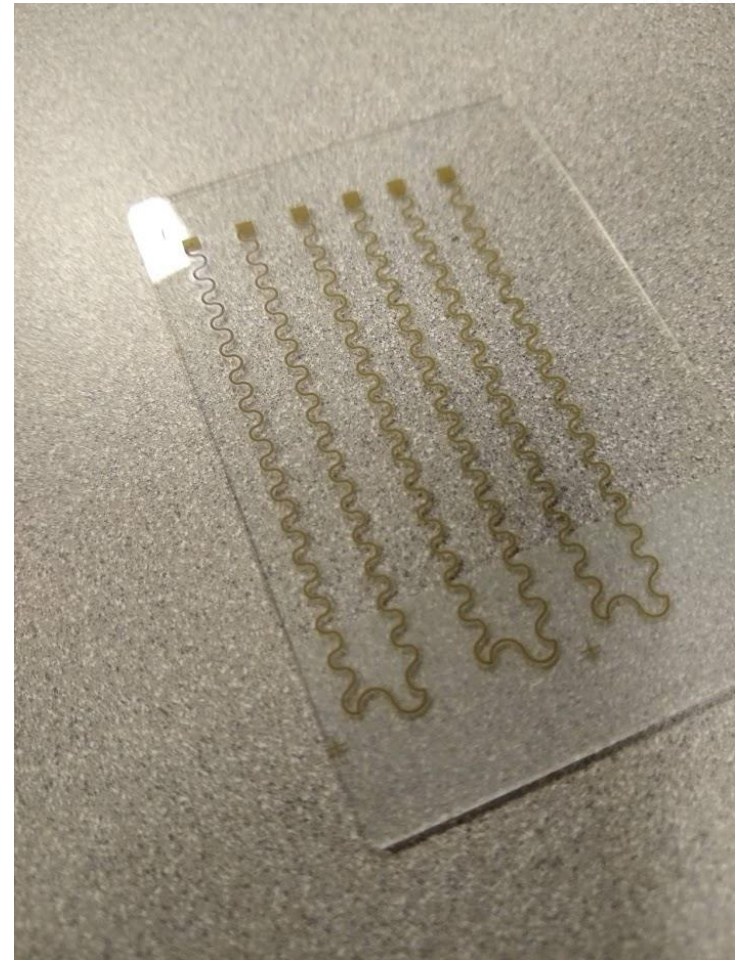
Progress from last week

- Shriner's project
 - Strain gauge
 - firmware

SHRINER'S PROJECT

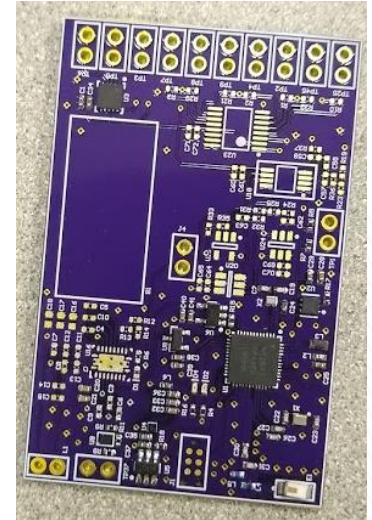
Strain Sensor: Round #6

- PDMA: Finished
- PI: Finished
- AG NW: Finished
- Conductivity Test: TO-DO
- PDMS: TO-DO
- ASSEMBLY: TO-DO
- ENCAPSULATION: TO-DO
- Characterization: TO-DO
- Conclusion
 - Less AgNW passes (5 to 3)
 - Wider PI layers
- Lab Session: Friday 2/26



Firmware Development

- Drivers complete
- Testing & Debugging:
 - LP-ECG:
 - ~~External memory storage data transmission~~
 - Power consumption measurement
 - Pressure Sensor:
 - ~~Testing with pressure sensor~~
 - Fix function to change sampling rate
 - Create document to detail app communication
 - Meet with Jihoon to encapsulate sensors



PATH FORWARD

Path forward (2/22/21 – 3/01/21)

- Shriner's Project:
 - Literature review
 - Strain gauge, round #7
- Firmware development
 - Pressure sensor
 - LP-ECG power consumption

APPENDIX